

PATENT ASSIGNMENT COVER SHEET

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 Stylesheet Version v1.2

EPAS ID: PAT6810367

SUBMISSION TYPE:	NEW ASSIGNMENT	
NATURE OF CONVEYANCE:	ASSIGNMENT	
CONVEYING PARTY DATA		
	Name	Execution Date
	INTEL IP CORPORATION	05/29/2020
RECEIVING PARTY DATA		
Name:	INTEL CORPORATION	
Street Address:	2200 MISSION COLLEGE BOULEVARD	
City:	SANTA CLARA	
State/Country:	CALIFORNIA	
Postal Code:	95054	
PROPERTY NUMBERS Total: 1		
	Property Type	Number
	Application Number:	16761421
CORRESPONDENCE DATA		
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NAME OF SUBMITTER:	JEFFREY C. HOOD	
SIGNATURE:	/Jeffrey C. Hood/	
DATE SIGNED:	07/13/2021	
Total Attachments: 407		
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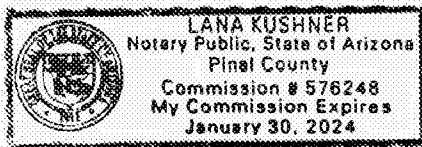
Certificate of Acknowledgement

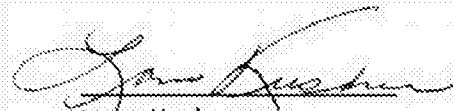
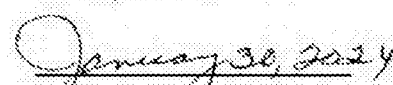
State of **Arizona**)

County of **Maricopa**)

On this 29 day of May, 2020, before me personally

appeared **Kenneth Nelson**, whose identity was proven to me on the basis of satisfactory evidence to be the person who he or she claims to be, and acknowledged that he or she signed the attached document titled, **Confirmatory Assignment Between Intel IP Corporation and Intel Corporation** on behalf of Intel IP Corporation as Assignor and Intel Corporation as Assignee.




Lana Kushner
Notary Public

My commission expires

**Confirmatory Assignment
Between
Intel IP Corporation and Intel Corporation**

THIS CONFIRMATORY ASSIGNMENT is made between:

Intel IP Corporation, a company duly organized and existing under the laws of the State of Delaware, with its principal place of business at 2200 Mission College Boulevard, Santa Clara, CA 95054, United States of America

(the "Assignor").

and

Intel Corporation, a company duly organized and existing under the laws of the State of Delaware, with a principal place of business at 2200 Mission College Boulevard, Santa Clara, CA 95054, United States of America and a previous place of business at 2200 Mission College Boulevard, Santa Clara, CA 95052, United States of America

(the "Assignee").

WHEREAS:

- (a) Assignor was previously the owner of the patents and patent applications in the countries as set forth in the attached "Schedule A" (the "**Transferred Patents Assets**"); and
- (b) Pursuant to a Patent Assignment, dated November 27, 2019 (the "**Patent Assignment**"), Assignor has previously assigned Assignor's entire right, title and interest in and to the Transferred Patent Assets to Assignee; and
- (c) The Patent Assignment included incorrect addresses for Assignee and Assignor (incorrect zip code).

IT IS AGREED THAT:

For good and valuable consideration, the receipt of which is hereby acknowledged by Assignor, Assignor hereby confirms that it has assigned, transferred and conveyed to Assignee, all of its right, title and interests (whether past, present or future) in the Transferred Patent Assets. Assignor and Assignee also agree that Schedule A, which is attached to this Confirmatory Assignment, is a re-organized version of Schedule 1, which was attached to the Patent Assignment.

Assignor and Assignee desire to correct their addresses and agree that the correct addresses for each are as stated above.

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IN WITNESS WHEREOF, the Assignor and Assignee have caused this Confirmatory Assignment to be executed by their authorized representatives.

Signed on behalf of Assignor this 27th day of
May 2020 by:



Kenneth Nelson
Assistant Director, Intel Patent Group
Intel IP Corporation

Signed on behalf of Assignee this 27th day of
May 2020 by:



Kenneth Nelson
Assistant Director, Intel Patent Group
Intel Corporation

SCHEDULE A

No.	TITLE	Filing Number	Publication Number	Jurisdiction	Filing Date	Publication Date
1	CONTEXT-RETENTION CONTROLLER AND METHOD FOR CONTEXT RETENTION IN WIRELESS ACCESS NETWORKS	128463478	2774432	AT	4/15/2014	9/10/2014
2	A METHOD AND SYSTEM FOR THE MANAGEMENT OF CELL INTERFERENCE IN A WIRELESS COMMUNICATION NETWORK	138705876	2944135	AT	6/10/2015	11/18/2015
3	IMPROVED TECHNIQUES FOR USER PLANE CONGESTION MITIGATION	138710751	2944115	AT		11/18/2015
4	CONTENT URL AUTHENTICATION FOR DASH	138719356	2946583	AT		11/25/2015
5	APPARATUS SYSTEM AND METHOD OF COMMUNICATING NON-CELLULAR ACCESS NETWORK INFORMATION OVER A CELLULAR NETWORK	138721980	2946607	AT		11/25/2015
6	NETWORK ASSISTED DEVICE TO DEVICE DISCOVERY	138753611	2959734	AT		12/30/2015
7	UE BASED D2D DISCOVERY	138757950	2959735	AT		12/30/2015
8	USER EQUIPMENT WITH REDUCED POWER CONSUMPTION OPERATIONAL MODES	138760301	2959729	AT		12/30/2015
9	MULTICAST-BASED GROUP COMMUNICATIONS IN AD HOC ARRANGEMENTS OF WIRELESS DEVICES	138763842	2962521	AT		1/6/2016
10	QUALITY-AWARE RATE ADAPTATION TECHNIQUES FOR DASH STREAMING	138805379	2979414	AT		2/3/2016
11	EXTENDED PAGING DISCONTINUOUS RECEPTION (DRX) CYCLES IN WIRELESS COMMUNICATION NETWORKS	138806229	2979504	AT		2/3/2016
12	CONTROL OF WLAN SELECTION POLICIES IN ROAMING SCENARIOS	138806237	2979499	AT	8/27/2015	2/3/2016
13	RADIO LINK MONITORING FOR EPDCCH	138808100	2982154	AT		2/10/2016
14	SMALL DATA COMMUNICATIONS	138840335	2995019	AT		3/16/2016
15	MULTIPLE RADIO LINK CONTROL (RLC) GROUPS	138845284	2997670	AT		3/23/2016
16	LINK-AWARE STREAMING ADAPTATION	147566350	2962435	AT		1/6/2016
17	RADIO ACCESS TECHNOLOGY SELECTION IN A HETEROGENEOUS NETWORK	147571194	2962497	AT		1/6/2016
18	TECHNIQUES FOR WIRELESS NETWORK DISCOVERY AND SELECTION SUPPORT	147725709	2979497	AT	8/20/2015	2/3/2016
19	QUALITY OF EXPERIENCE AWARE MULTIMEDIA ADAPTIVE STREAMING	147742142	2979427	AT	8/24/2015	2/3/2016
20	PROVISIONING OF APPLICATION CATEGORIES AT A USER EQUIPMENT DURING NETWORK CONGESTION	147760011	2979495	AT		2/3/2016
21	NETWORK ASSISTED INTERFERENCE CANCELLATION AND SUPPRESSION WITH RESPECT TO INTERFERING CONTROL CHANNEL TRANSMISSIONS	147763288	2979413	AT		2/3/2016

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No.	TITLE	Filing Number	Publication Number	Jurisdiction	Filing Date	Publication Date
22	AN APPARATUS AND METHOD FOR CONGESTION CONTROL IN WIRELESS COMMUNICATION NETWORKS	147879878	2989829	AT		3/2/2016
23	THROUGHPUT CHARACTERIZATION	147949820	2995022	AT	10/16/2015	3/16/2016
24	USER EQUIPMENT AND METHODS FOR CODEBOOK SUBSAMPLING FOR ENHANCED 4TX CODEBOOKS	148044126	3005636	AT		4/13/2016
25	APPARATUS SYSTEM AND METHOD OF SELECTIVELY PROVIDING INTERNET PROTOCOL (IP) SESSION CONTINUITY	148291107	3025533	AT		6/1/2016
26	DOWNTILT SELECTION IN A FULL DIMENSIONAL MULTIPLE-INPUT MULTIPLE-OUTPUT SYSTEM	148291487	3025435	AT		6/1/2016
27	COOPERATIVE MULTIPLE BEAM TRANSMISSION	148337041	3031145	AT		6/15/2016
28	SIGNALING RADIO BEARER OPTIMIZATIONS AND OTHER TECHNIQUES FOR SUPPORTING SMALL DATA TRANSMISSIONS	148341522	3031284	AT		6/15/2016
29	METHOD APPARATUS AND SYSTEM FOR ELECTRICAL DOWNTILT ADJUSTMENT IN A MULTIPLE INPUT MULTIPLE OUTPUT SYSTEM	148347701	3031146	AT		6/15/2016
30	METHOD AND SYSTEM OF ADVANCED INTERFERENCE CANCELLATION ON PDSCH AT THE UE	148347768	3031152	AT		6/15/2016
31	SIGNALING FOR PROXIMITY SERVICES AND D2D DISCOVERY IN AN LTE NETWORK	148350218	3031272	AT		6/15/2016
32	NETWORK MANAGEMENT	148354210	3031295	AT		6/15/2016
33	TECHNIQUES AND CONFIGURATIONS ASSOCIATED WITH MACHINE TYPE COMMUNICATION IN ENHANCED COVERAGE MODE	148451743	3047579	AT		7/27/2016
34	CONGESTION MEASUREMENT AND REPORTING FOR REAL-TIME DELAY-SENSITIVE APPLICATIONS	148454549	3047672	AT		7/27/2016
35	CONGESTION CONTROL FOR SHORT MESSAGE SERVICE IN 3RD GENERATION PARTNERSHIP PROJECT (3GPP) SYSTEMS	148462658	3047674	AT		7/27/2016
36	USER EQUIPMENT AND METHODS FOR FAST HANDOVER FAILURE RECOVERY IN 3GPP LTE NETWORK	148465529	3047679	AT		7/27/2016
37	GENERATION OF RANDOM ACCESS PREAMBLES	148466865	3047600	AT		7/27/2016
38	SYSTEMS METHODS AND DEVICES WITH DIFFERENT RADIO LINK FAILURE TIMERS BASED ON USER EQUIPMENT SPEED	148478043	3064027	AT		9/7/2016
39	SYSTEMS METHODS AND DEVICES FOR TRAFFIC OFFLOADING	148482250	3050349	AT		8/3/2016
40	REDUCTION OF PACKET RETRANSMISSIONS IN DUAL CONNECTIVITY SYSTEMS	148483605	3050352	AT		8/3/2016

SCHEDULE A

No.	TITLE	Filing Number	Publication Number	Jurisdiction	Filing Date	Publication Date
41	SIGNALING EXTENDED EARFCN AND E-UTRA BANDS IN UMTS NETWORKS	148569197	3064012	AT		9/7/2016
42	SYSTEMS METHODS AND DEVICES FOR EFFICIENT DEVICE-TO-DEVICE CHANNEL CONTENTION	148581481	3064016	AT		9/7/2016
43	RESOURCE SELECTION IN DEVICE TO DEVICE COMMUNICATION	148583065	3064007	AT		9/7/2016
44	USER EQUIPMENT AND EVOLVED NODE-B AND METHODS FOR OPERATION IN A COVERAGE ENHANCEMENT MODE	148588601	3063883	AT		9/7/2016
45	USER EQUIPMENT AND METHODS OF BEARER OPERATION FOR CARRIER AGGREGATION	148591456	3063982	AT		9/7/2016
46	METHOD AND EVOLVED NODE-B FOR GEOGRAPHIC BIN DATA COLLECTION AND REPORTING	148773344	3092842	AT		11/16/2016
47	APPARATUS SYSTEM AND METHOD OF PROVIDING OFFLOADABILITY INFORMATION TO A USER-EQUIPMENT (UE)	157331240	3092845	AT		11/16/2016
48	SYSTEMS AND METHODS FOR MODULATION AND CODING SCHEME SELECTION AND CONFIGURATION	157332461	3092761	AT		11/16/2016
49	DISCONTINUOUS RECEPTION (DRX) ALIGNMENT TECHNIQUES FOR DUAL-CONNECTIVITY ARCHITECTURES	157333139	3092854	AT		11/16/2016
50	DOWNLINK CONTROL INFORMATION (DCI) DESIGN FOR LTE DEVICES	157483660	3202073	AT		8/9/2017
51	SCHEDULING FOR AN UNLICENSED CARRIER TYPE	157524422	3111569	AT		1/4/2017
52	CIRCUIT SWITCHED FALLBACK	157525577	3111699	AT		1/4/2017
53	USER EQUIPMENT COMPUTER READABLE MEDIUM AND METHOD TO DETERMINE THE MOBILITY OF USER EQUIPMENT IN A LONG-TERM EVOLUTION NETWORK	157527573	3111692	AT		1/4/2017
54	SYSTEMS METHODS AND DEVICES FOR DEVICE-TO-DEVICE COMMUNICATION MODE SELECTION	157616236	3117673	AT		1/18/2017
55	SYSTEMS METHODS AND DEVICES FOR DEVICE-TO-DEVICE DISCOVERY AND COMMUNICATION	157619610	3117543	AT		1/18/2017
56	SMOOTH UE TRANSFER WITHIN AN EVOLVED PACKET CORE	157628652	3198941	AT		8/2/2017
57	METHODS SYSTEMS AND DEVICES FOR MODULATION AND CODING SCHEME SIGNALING FOR COMMON CONTROL CHANNEL	157652991	3120477	AT		1/25/2017
58	SYSTEMS METHODS AND DEVICES FOR RADIO ACCESS TECHNOLOGY COORDINATION	157714718	3262887	AT		1/3/2018
59	USER EQUIPMENT AND METHODS FOR HANDOVER INITIATION	157822800	3135058	AT		3/1/2017

SCHEDULE A

No.	TITLE	Filing Number	Publication Number	Jurisdiction	Filing Date	Publication Date
60	USER EQUIPMENT AND METHODS FOR MEASUREMENT OF REFERENCE SIGNAL RECEIVED QUALITY	157853805	3138316	AT		3/8/2017
61	SYSTEMS METHODS AND DEVICES FOR DIRECT DEVICE TO DEVICE COMMUNICATION USING ENCAPSULATION	157910936	3248437	AT		11/29/2017
62	DEVICES AND METHOD FOR RETRIEVING AND UTILIZING NEIGHBORING WLAN INFORMATION FOR LTE LAA OPERATION	158028233	3149993	AT		4/5/2017
63	MEASUREMENT GAP ENHANCEMENT TO REDUCE MEASUREMENT DELAY	158288969	3295704	AT		3/21/2018
64	VIRTUALIZED NETWORK FUNCTION MANAGEMENT	158304634	3178199	AT		6/14/2017
65	NETWORK DISCOVERY AND BEAM ACQUISITION FOR BEAM CELLOPERATION	158346924	3329608	AT		6/6/2018
66	INTERACTIVE ZOOMING IN VIDEO CONFERENCING	161688809	3094063	AT		11/16/2016
67	TECHNIQUES FOR WIRELESS NETWORK DISCOVERY AND SELECTION SUPPORT	161690441	3086602	AT		10/26/2016
68	DRX OPERATION FOR UL/DL RECONFIGURATION	161702980	3101824	AT		12/7/2016
69	RADIO RESOURCE MANAGEMENT (RRM) REPORTING FOR LICENSED ASSISTED ACCESS (LAA)	167060672	3251402	AT		12/6/2017
70	DETERMINATION OF NUMBER OF PHYSICAL UPLINK CONTROL CHANNEL REPETITIONS FOR MACHINE TYPE COMMUNICATIONS	167167592	3353935	AT		8/1/2018
71	SIGNALING FOR PROXIMITY SERVICES AND D2D DISCOVERY IN AN LTE NETWORK	171654403	3209039	AT		8/23/2017
72	COVERAGE EXTENSION LEVEL FOR COVERAGE LIMITED DEVICE	171705387	3229517	AT		10/11/2017
73	UE BASED D2D DISCOVERY	172007726	3300398	AT		3/28/2018
74	APPARATUS SYSTEM AND METHOD OF CELLULAR NETWORK COMMUNICATIONS CORRESPONDING TO A NON-CELLULAR NETWORK			AT		
75	CONTROL OF TRAFFIC FROM APPLICATIONS WHEN THIRD PARTY SERVERS ENCOUNTER PROBLEMS			AT		
76	APPARATUS SYSTEM AND METHOD OF PROVIDING OFFLOADABILITY INFORMATION TO A USER-EQUIPMENT (UE)	2015203907	2015203907	AU	5/19/2016	6/9/2016
77	CIRCUIT SWITCHED FALLBACK	2015218697	2015218697	AU	6/30/2016	7/21/2016
78	DEVICE SYSTEM AND METHOD OF CONFIGURING A RADIO TRANSCEIVER	2015218862	2015218862	AU	6/30/2016	7/21/2016
79	ENHANCED NODE B UE AND METHOD FOR SELECTING CELL DISCOVERY SIGNALS IN LTE NETWORKS	2015229638	2015229638	AU	8/9/2016	8/25/2016

SCHEDULE A

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80	SYSTEMS METHODS AND DEVICES FOR DEVICE-TO-DEVICE DISCOVERY AND COMMUNICATION	2015229966	2015229966	AU	8/5/2016	8/25/2016
81	APPARATUSES SYSTEMS AND METHODS FOR MEASURING QUALITY OF CELL DISCOVERY SIGNAL	2015229967	2015229967	AU	8/8/2016	8/25/2016
82	SYSTEMS METHODS AND DEVICES FOR DEVICE-TO-DEVICE COMMUNICATION MODE SELECTION	2015229973	2015229973	AU	8/5/2016	8/25/2016
83	APPARATUS AND METHODS FOR REDUCING SOFT BUFFER SIZE IN MTC DEVICES	2015231880	2015231880	AU	8/8/2016	8/25/2016
84	REFERENCE SIGNAL ENHANCEMENT FOR SHARED CELL	2015231953	2015231953	AU	8/16/2016	9/1/2016
85	TECHNIQUES FOR COORDINATED APPLICATION OF WIRELESS NETWORK SELECTION AND TRAFFIC ROUTING RULES	2015236234	2015236234	AU	8/5/2016	8/25/2016
86	APPARATUS SYSTEM AND METHOD OF SECURING COMMUNICATIONS OF A USER EQUIPMENT (UE) IN A WIRELESS LOCAL AREA NETWORK	2015236330	2015236330	AU	8/19/2016	9/8/2016
87	SOLUTION TO SKIP AUTHENTICATION PROCEDURE DURING CIRCUIT SWITCHED FALLBACK (CSFB) TO SHORTEN CALL SETUP TIME	2015253709	2015253709	AU	9/5/2016	9/22/2016
88	CHANNEL ACCESS PRIORITY FOR DISTRIBUTED D2D	2015253785	2015253785	AU	9/5/2016	9/22/2016
89	SYSTEM AND METHOD TO MEASURE AN ERROR RATE OF A WIRELESS LOCAL AREA NETWORK	2015253802	2015253802	AU	9/7/2016	9/22/2016
90	PRIORITIZED CELL IDENTIFICATION AND MEASUREMENT METHOD	2015255767	2015255767	AU	10/7/2016	10/27/2016
91	SYSTEMS DEVICES AND METHODS FOR INTERWORKING BETWEEN A UNIVERSAL MOBILE TELECOMMUNICATIONS SYSTEM (UMTS) NETWORK AND A WIRELESS LOCAL AREA NETWORK (WLAN)	2015255871	2015255871	AU	8/22/2016	9/8/2016
92	SYSTEMS DEVICES AND METHODS FOR LONG TERM EVOLUTION AND WIRELESS LOCAL AREA INTERWORKING	2015256474	2015256474	AU	10/7/2016	10/27/2016
93	SYSTEMS METHODS AND DEVICES FOR SYNCHRONIZATION SOURCE SELECTION FOR DEVICE-TO-DEVICE COMMUNICATION	2015256590	2015256590	AU	10/7/2016	10/27/2016
94	COMMUNICATION SYSTEMS AND METHODS	2015271124	2015271124	AU	10/17/2016	11/3/2016
95	METHODS AND APPARATUSES OF WLAN ALARM NOTIFICATION IN CELLULAR NETWORKS	2015328644	2015328644	AU	2/15/2017	3/9/2017
96	REFERENCE SIGNAL ENHANCEMENT FOR SHARED CELL	2018201711	2018201711	AU	3/9/2018	4/5/2018

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97	APPARATUS SYSTEM AND METHOD OF SECURING COMMUNICATIONS OF A USER EQUIPMENT (UE) IN A WIRELESS LOCAL AREA NETWORK	2018202590	2018202590	AU	4/13/2018	5/10/2018
98	CONTEXT-RETENTION CONTROLLER AND METHOD FOR CONTEXT RETENTION IN WIRELESS ACCESS NETWORKS	128463478	2774432	BE	4/15/2014	9/10/2014
99	A METHOD AND SYSTEM FOR THE MANAGEMENT OF CELL INTERFERENCE IN A WIRELESS COMMUNICATION NETWORK	138705876	2944135	BE	6/10/2015	11/18/2015
100	CONTENT URL AUTHENTICATION FOR DASH	138719356	2946583	BE		11/25/2015
101	APPARATUS SYSTEM AND METHOD OF COMMUNICATING NON-CELLULAR ACCESS NETWORK INFORMATION OVER A CELLULAR NETWORK	138721980	2946607	BE		11/25/2015
102	NETWORK ASSISTED DEVICE TO DEVICE DISCOVERY	138753611	2959734	BE		12/30/2015
103	UE BASED D2D DISCOVERY	138757950	2959735	BE		12/30/2015
104	USER EQUIPMENT WITH REDUCED POWER CONSUMPTION OPERATIONAL MODES	138760301	2959729	BE		12/30/2015
105	MULTICAST-BASED GROUP COMMUNICATIONS IN AD HOC ARRANGEMENTS OF WIRELESS DEVICES	138763842	2962521	BE		1/6/2016
106	QUALITY-AWARE RATE ADAPTATION TECHNIQUES FOR DASH STREAMING	138805379	2979414	BE		2/3/2016
107	EXTENDED PAGING DISCONTINUOUS RECEPTION (DRX) CYCLES IN WIRELESS COMMUNICATION NETWORKS	138806229	2979504	BE		2/3/2016
108	CONTROL OF WLAN SELECTION POLICIES IN ROAMING SCENARIOS	138806237	2979499	BE	8/27/2015	2/3/2016
109	RADIO LINK MONITORING FOR EPDCCH	138808100	2982154	BE		2/10/2016
110	SMALL DATA COMMUNICATIONS	138840335	2995019	BE		3/16/2016
111	MULTIPLE RADIO LINK CONTROL (RLC) GROUPS	138845284	2997670	BE		3/23/2016
112	LINK-AWARE STREAMING ADAPTATION	147566350	2962435	BE		1/6/2016
113	RADIO ACCESS TECHNOLOGY SELECTION IN A HETEROGENEOUS NETWORK	147571194	2962497	BE		1/6/2016
114	TECHNIQUES FOR WIRELESS NETWORK DISCOVERY AND SELECTION SUPPORT	147725709	2979497	BE	8/20/2015	2/3/2016
115	QUALITY OF EXPERIENCE AWARE MULTIMEDIA ADAPTIVE STREAMING	147742142	2979427	BE	8/24/2015	2/3/2016
116	PROVISIONING OF APPLICATION CATEGORIES AT A USER EQUIPMENT DURING NETWORK CONGESTION	147760011	2979495	BE		2/3/2016
117	NETWORK ASSISTED INTERFERENCE CANCELLATION AND SUPPRESSION WITH RESPECT TO INTERFERING CONTROL CHANNEL TRANSMISSIONS	147763288	2979413	BE		2/3/2016

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118	AN APPARATUS AND METHOD FOR CONGESTION CONTROL IN WIRELESS COMMUNICATION NETWORKS	147879878	2989829	BE		3/2/2016
119	THROUGHPUT CHARACTERIZATION	147949820	2995022	BE	10/16/2015	3/16/2016
120	USER EQUIPMENT AND METHODS FOR CODEBOOK SUBSAMPLING FOR ENHANCED 4TX CODEBOOKS	148044126	3005636	BE		4/13/2016
121	APPARATUS SYSTEM AND METHOD OF SELECTIVELY PROVIDING INTERNET PROTOCOL (IP) SESSION CONTINUITY	148291107	3025533	BE		6/1/2016
122	DOWNTILT SELECTION IN A FULL DIMENSIONAL MULTIPLE-INPUT MULTIPLE-OUTPUT SYSTEM	148291487	3025435	BE		6/1/2016
123	COOPERATIVE MULTIPLE BEAM TRANSMISSION	148337041	3031145	BE		6/15/2016
124	SIGNALING RADIO BEARER OPTIMIZATIONS AND OTHER TECHNIQUES FOR SUPPORTING SMALL DATA TRANSMISSIONS	148341522	3031284	BE		6/15/2016
125	METHOD APPARATUS AND SYSTEM FOR ELECTRICAL DOWNTILT ADJUSTMENT IN A MULTIPLE INPUT MULTIPLE OUTPUT SYSTEM	148347701	3031146	BE		6/15/2016
126	METHOD AND SYSTEM OF ADVANCED INTERFERENCE CANCELLATION ON PDSCH AT THE UE	148347768	3031152	BE		6/15/2016
127	SIGNALING FOR PROXIMITY SERVICES AND D2D DISCOVERY IN AN LTE NETWORK	148350218	3031272	BE		6/15/2016
128	NETWORK MANAGEMENT	148354210	3031295	BE		6/15/2016
129	TECHNIQUES AND CONFIGURATIONS ASSOCIATED WITH MACHINE TYPE COMMUNICATION IN ENHANCED COVERAGE MODE	148451743	3047579	BE		7/27/2016
130	CONGESTION MEASUREMENT AND REPORTING FOR REAL-TIME DELAY-SENSITIVE APPLICATIONS	148454549	3047672	BE		7/27/2016
131	CONGESTION CONTROL FOR SHORT MESSAGE SERVICE IN 3RD GENERATION PARTNERSHIP PROJECT (3GPP) SYSTEMS	148462658	3047674	BE		7/27/2016
132	USER EQUIPMENT AND METHODS FOR FAST HANDOVER FAILURE RECOVERY IN 3GPP LTE NETWORK	148465529	3047679	BE		7/27/2016
133	GENERATION OF RANDOM ACCESS PREAMBLES	148466865	3047600	BE		7/27/2016
134	SYSTEMS METHODS AND DEVICES WITH DIFFERENT RADIO LINK FAILURE TIMERS BASED ON USER EQUIPMENT SPEED	148478043	3064027	BE		9/7/2016
135	SYSTEMS METHODS AND DEVICES FOR TRAFFIC OFFLOADING	148482250	3050349	BE		8/3/2016
136	REDUCTION OF PACKET RETRANSMISSIONS IN DUAL CONNECTIVITY SYSTEMS	148483605	3050352	BE		8/3/2016

SCHEDULE A

No.	TITLE	Filing Number	Publication Number	Jurisdiction	Filing Date	Publication Date
137	SIGNALING EXTENDED EARFCN AND E-UTRA BANDS IN UMTS NETWORKS	148569197	3064012	BE		9/7/2016
138	SYSTEMS METHODS AND DEVICES FOR EFFICIENT DEVICE-TO-DEVICE CHANNEL CONTENTION	148581481	3064016	BE		9/7/2016
139	RESOURCE SELECTION IN DEVICE TO DEVICE COMMUNICATION	148583065	3064007	BE		9/7/2016
140	USER EQUIPMENT AND EVOLVED NODE-B AND METHODS FOR OPERATION IN A COVERAGE ENHANCEMENT MODE	148588601	3063883	BE		9/7/2016
141	USER EQUIPMENT AND METHODS OF BEARER OPERATION FOR CARRIER AGGREGATION	148591456	3063982	BE		9/7/2016
142	METHOD AND EVOLVED NODE-B FOR GEOGRAPHIC BIN DATA COLLECTION AND REPORTING	148773344	3092842	BE		11/16/2016
143	APPARATUS SYSTEM AND METHOD OF PROVIDING OFFLOADABILITY INFORMATION TO A USER-EQUIPMENT (UE)	157331240	3092845	BE		11/16/2016
144	SYSTEMS AND METHODS FOR MODULATION AND CODING SCHEME SELECTION AND CONFIGURATION	157332461	3092761	BE		11/16/2016
145	DISCONTINUOUS RECEPTION (DRX) ALIGNMENT TECHNIQUES FOR DUAL-CONNECTIVITY ARCHITECTURES	157333139	3092854	BE		11/16/2016
146	DOWNLINK CONTROL INFORMATION (DCI) DESIGN FOR LTE DEVICES	157483660	3202073	BE		8/9/2017
147	SCHEDULING FOR AN UNLICENSED CARRIER TYPE	157524422	3111569	BE		1/4/2017
148	CIRCUIT SWITCHED FALLBACK	157525577	3111699	BE		1/4/2017
149	USER EQUIPMENT COMPUTER READABLE MEDIUM AND METHOD TO DETERMINE THE MOBILITY OF USER EQUIPMENT IN A LONG-TERM EVOLUTION NETWORK	157527573	3111692	BE		1/4/2017
150	SYSTEMS METHODS AND DEVICES FOR DEVICE-TO-DEVICE COMMUNICATION MODE SELECTION	157616236	3117673	BE		1/18/2017
151	SYSTEMS METHODS AND DEVICES FOR DEVICE-TO-DEVICE DISCOVERY AND COMMUNICATION	157619610	3117543	BE		1/18/2017
152	SMOOTH UE TRANSFER WITHIN AN EVOLVED PACKET CORE	157628652	3198941	BE		8/2/2017
153	METHODS SYSTEMS AND DEVICES FOR MODULATION AND CODING SCHEME SIGNALING FOR COMMON CONTROL CHANNEL	157652991	3120477	BE		1/25/2017
154	SYSTEMS METHODS AND DEVICES FOR RADIO ACCESS TECHNOLOGY COORDINATION	157714718	3262887	BE		1/3/2018
155	USER EQUIPMENT AND METHODS FOR HANDOVER INITIATION	157822800	3135058	BE		3/1/2017

SCHEDULE A

No.	TITLE	Filing Number	Publication Number	Jurisdiction	Filing Date	Publication Date
156	USER EQUIPMENT AND METHODS FOR MEASUREMENT OF REFERENCE SIGNAL RECEIVED QUALITY	157853805	3138316	BE		3/8/2017
157	SYSTEMS METHODS AND DEVICES FOR DIRECT DEVICE TO DEVICE COMMUNICATION USING ENCAPSULATION	157910936	3248437	BE		11/29/2017
158	DEVICES AND METHOD FOR RETRIEVING AND UTILIZING NEIGHBORING WLAN INFORMATION FOR LTE LAA OPERATION	158028233	3149993	BE		4/5/2017
159	MEASUREMENT GAP ENHANCEMENT TO REDUCE MEASUREMENT DELAY	158288969	3295704	BE		3/21/2018
160	VIRTUALIZED NETWORK FUNCTION MANAGEMENT	158304634	3178199	BE		6/14/2017
161	NETWORK DISCOVERY AND BEAM ACQUISITION FOR BEAM CELLOPERATION	158346924	3329608	BE		6/6/2018
162	INTERACTIVE ZOOMING IN VIDEO CONFERENCING	161688809	3094063	BE		11/16/2016
163	TECHNIQUES FOR WIRELESS NETWORK DISCOVERY AND SELECTION SUPPORT	161690441	3086602	BE		10/26/2016
164	DRX OPERATION FOR UL/DL RECONFIGURATION	161702980	3101824	BE		12/7/2016
165	RADIO RESOURCE MANAGEMENT (RRM) REPORTING FOR LICENSED ASSISTED ACCESS (LAA)	167060672	3251402	BE		12/6/2017
166	DETERMINATION OF NUMBER OF PHYSICAL UPLINK CONTROL CHANNEL REPETITIONS FOR MACHINE TYPE COMMUNICATIONS	167167592	3353935	BE		8/1/2018
167	SIGNALING FOR PROXIMITY SERVICES AND D2D DISCOVERY IN AN LTE NETWORK	171654403	3209039	BE		8/23/2017
168	COVERAGE EXTENSION LEVEL FOR COVERAGE LIMITED DEVICE	171705387	3229517	BE		10/11/2017
169	UE BASED D2D DISCOVERY	172007726	3300398	BE		3/28/2018
170	APPARATUS SYSTEM AND METHOD OF CELLULAR NETWORK COMMUNICATIONS CORRESPONDING TO A NON-CELLULAR NETWORK			BE		
171	CONTROL OF TRAFFIC FROM APPLICATIONS WHEN THIRD PARTY SERVERS ENCOUNTER PROBLEMS			BE		
172	METHOD FOR PROCESSING RADIO SIGNALS AND MOBILE TERMINAL DEVICE	102016011683-0	102016011683-0	BR		1/3/2017
173	MOBILE TERMINAL DEVICES AND METHODS OF PERFORMING RADIO MEASUREMENTS	102016012292-9	102016012292-9	BR		1/3/2017
174	APPARATUS SYSTEM AND METHOD OF COMMUNICATING NON-CELLULAR ACCESS NETWORK INFORMATION OVER A CELLULAR NETWORK	112015014223-0	112015014223-0	BR	6/16/2015	7/11/2017
175	UE BASED D2D DISCOVERY	112015017404-3	112015017404-3	BR	7/21/2015	7/11/2017

SCHEDULE A

No.	TITLE	Filing Number	Publication Number	Jurisdiction	Filing Date	Publication Date
176	DIAMETER/XML PROTOCOL CONVERSION	112015024631-1	112015024631-1	BR	9/25/2015	12/19/2017
177	USER EQUIPMENT AND METHOD FOR PACKET BASED DEVICE-TO-DEVICE (D2D) DISCOVERY IN AN LTE NETWORK	112015033063-0		BR	12/30/2015	
178	SIGNALING FOR PROXIMITY SERVICES AND D2D DISCOVERY IN AN LTE NETWORK	112016000372-1		BR	1/8/2016	
179	DRX OPERATION FOR UL/DL RECONFIGURATION	112016003313-2		BR	2/17/2016	
180	RESOURCE ALLOCATION FOR D2D DISCOVERY IN AN LTE NETWORK	112016006844-0	112016006844-0	BR	3/29/2016	8/1/2017
181	METHOD AND EVOLVED NODE-B FOR GEOGRAPHIC BIN DATA COLLECTION AND REPORTING	112016012874-5		BR	6/6/2016	
182	APPARATUS SYSTEM AND METHOD OF PROVIDING OFFLOADABILITY INFORMATION TO A USER-EQUIPMENT (UE)	112016012901-6	112016012901-6	BR	6/6/2016	1/22/2019
183	SYSTEMS AND METHODS FOR MODULATION AND CODING SCHEME SELECTION AND CONFIGURATION	112016012910-5	112016012910-5	BR	6/6/2016	1/22/2019
184	SYSTEMS AND METHODS FOR MODULATION AND CODING SCHEME SELECTION AND CONFIGURATION	112016012916-4	112016012916-4	BR	6/6/2016	1/22/2019
185	CIRCUIT SWITCHED FALLBACK	112016017052-0		BR	7/22/2016	
186	DEVICE SYSTEM AND METHOD OF CONFIGURING A RADIO TRANSCEIVER	112016017055-5	112016017055-5	BR	7/22/2016	8/8/2017
187	USER EQUIPMENT COMPUTER READABLE MEDIUM AND METHOD TO DETERMINE THE MOBILITY OF USER EQUIPMENT IN A LONG-TERM EVOLUTION NETWORK	112016017234-5		BR	7/25/2016	
188	APPARATUS SYSTEM AND METHOD OF IDENTIFYING A WIRELESS DOCKING STATION	112016018019-4		BR	8/3/2016	
189	SYSTEMS METHODS AND DEVICES FOR DEVICE-TO-DEVICE COMMUNICATION MODE SELECTION	112016018318-5	112016018318-5	BR	8/9/2016	8/8/2017
190	SYSTEMS METHODS AND DEVICES FOR OPPORTUNISTIC NETWORKING	112016018353-3	112016018353-3	BR	8/9/2016	8/8/2017
191	SYSTEMS METHODS AND DEVICES FOR DEVICE-TO-DEVICE DISCOVERY AND COMMUNICATION	112016018355-0	112016018355-0	BR	8/9/2016	8/8/2017
192	METHOD AND APPARATUS TO ASSIST NETWORK TRAFFIC	112016018756-3		BR	8/15/2016	
193	APPARATUSES SYSTEMS AND METHODS FOR MEASURING QUALITY OF CELL DISCOVERY SIGNAL	112016018787-3		BR	8/15/2016	
194	ENHANCED NODE B UE AND METHOD FOR SELECTING CELL DISCOVERY SIGNALS IN LTE NETWORKS	112016018795-4		BR	8/15/2016	
195	TECHNIQUES FOR COORDINATED APPLICATION OF WIRELESS NETWORK SELECTION AND TRAFFIC ROUTING RULES	112016018833-0	112016018833-0	BR	8/16/2016	8/15/2017

SCHEDULE A

No.	TITLE	Filing Number	Publication Number	Jurisdiction	Filing Date	Publication Date
196	SYSTEMS METHODS AND DEVICES FOR DISTRIBUTED SETUP FOR A DEVICE-TO-DEVICE SESSION	112016018901-9		BR	8/16/2016	
197	APPARATUSES SYSTEMS AND METHODS FOR DIFFERENTIATION OF PAYLOAD SIZE FOR D2D DISCOVERY	112016018917-5	112016018917-5	BR	8/16/2016	8/15/2017
198	SYSTEMS DEVICES AND METHODS FOR INTERWORKING BETWEEN A UNIVERSAL MOBILE TELECOMMUNICATIONS SYSTEM (UMTS) NETWORK AND A WIRELESS LOCAL AREA NETWORK (WLAN)	112016019130-7		BR	8/17/2016	
199	METHODS SYSTEMS AND DEVICES FOR MODULATION AND CODING SCHEME SIGNALING FOR COMMON CONTROL CHANNEL	112016019259-1		BR	8/19/2016	
200	APPARATUS AND METHODS FOR REDUCING SOFT BUFFER SIZE IN MTC DEVICES	112016019281-8		BR	8/19/2016	
201	REFERENCE SIGNAL ENHANCEMENT FOR SHARED CELL	112016019287-7		BR	8/19/2016	
202	APPARATUS SYSTEM AND METHOD OF SECURING COMMUNICATIONS OF A USER EQUIPMENT (UE) IN A WIRELESS LOCAL AREA NETWORK	112016019586-8		BR	8/24/2016	
203	USER EQUIPMENT GENERATION AND SIGNALING OF FEEDBACK FOR SUPPORTING ADAPTIVE DEMODULATION REFERENCE SIGNAL TRANSMISSION	112016019864-6		BR	8/26/2016	
204	METHOD APPARATUS AND SYSTEM FOR MEASURING A POSITION OF A USER EQUIPMENT IN A WIRELESS NETWORK	112016021288-6		BR	9/15/2016	
205	USER EQUIPMENT AND METHODS FOR HANDOVER INITIATION	112016021301-7	112016021301-7	BR	9/15/2016	8/15/2017
206	SIMULTANEOUS SCHEDULING REQUEST TRANSMISSION IN DUAL CONNECTIVITY	112016021409-9		BR	9/16/2016	
207	USER EQUIPMENT AND METHODS FOR HANDOVER USING MEASUREMENT REPORTING BASED ON MULTIPLE EVENTS	112016021684-9	112016021684-9	BR	9/21/2016	8/15/2017
208	LISTEN BEFORE TALK PROTOCOL SELECTION	112016021697-0		BR	9/21/2016	
209	SOLUTION TO SKIP AUTHENTICATION PROCEDURE DURING CIRCUIT SWITCHED FALLBACK (CSFB) TO SHORTEN THE CALL SETUP TIME	112016021708-0	112016021708-0	BR	9/21/2016	8/15/2017
210	LOAD BALANCING IN A WIRELESS CELLULAR NETWORK BASED ON USER EQUIPMENT MOBILITY	112016022264-4		BR	9/26/2016	
211	METHODS AND SYSTEMS WIRELESS MULTIPLE ACCESS NO ORTHOGONAL (NOMA)	112016022320-9		BR	9/27/2016	

SCHEDULE A

No.	TITLE	Filing Number	Publication Number	Jurisdiction	Filing Date	Publication Date
212	USER EQUIPMENT AND METHODS FOR MEASUREMENT OF REFERENCE SIGNAL RECEIVED QUALITY	112016022355-1		BR	9/27/2016	
213	CHANNEL RESERVATION FOR OPERATION IN AN UNLICENSED SPECTRUM	112016022403-5		BR	9/27/2016	
214	CHANNEL ACCESS PRIORITY FOR DISTRIBUTED D2D	112016022414-0		BR	9/27/2016	
215	SYSTEM AND METHOD TO MEASURE AN ERROR RATE OF A WIRELESS LOCAL AREA NETWORK	112016022453-1		BR	9/28/2016	
216	APPARATUS METHOD AND SYSTEM OF ESTABLISHING A CONNECTION BETWEEN A CELLULAR NODE AND A CORE NETWORK	112016022486-8		BR	9/28/2016	
217	TECHNIQUES TO MANAGE RADIO FREQUENCY CHAINS	112016023284-4	112016023284-4	BR	10/6/2016	8/15/2017
218	MOBILITY MANAGEMENT ENTITY USER EQUIPMENT AND METHODS FOR MACHINE TYPE COMMUNICATION	112016023288-7	112016023288-7	BR	10/6/2016	8/15/2017
219	USER EQUIPMENT AND METHODS TO INDICATE POWER SAVING MODE CONFIGURATION TO RAN NODES	112016023311-5	112016023311-5	BR	10/6/2016	8/15/2017
220	SYSTEMS METHODS AND DEVICES FOR PRIORITIZING INTER-FREQUENCY MEASUREMENTS	112016023320-4		BR	10/6/2016	
221	APPARATUS SYSTEM AND METHOD OF COMMUNICATING WIRELESS LOCAL AREA NETWORK (WLAN) OFFLOADING INFORMATION BETWEEN CELLULAR MANAGERS	112016023333-6		BR	10/6/2016	
222	SYSTEMS METHODS AND DEVICES FOR CONFIGURING MEASUREMENT GAPS FOR DUAL CONNECTIVITY	112016023413-8		BR	10/7/2016	
223	SYSTEMS METHODS AND DEVICES FOR CELL SELECTION BASED ON PRIORITIZED NODES	112016023423-5		BR	10/7/2016	
224	SYSTEMS METHODS AND DEVICES FOR SYNCHRONIZATION SOURCE SELECTION FOR DEVICE-TO-DEVICE COMMUNICATION	112016023477-4		BR	10/7/2016	
225	LAWFUL INTERCEPT REPORTING IN WIRELESS NETWORKS USING PUBLIC SAFETY RELAYS	112016023504-5	112016023504-5	BR	10/7/2016	8/15/2017
226	PRIORITIZED CELL IDENTIFICATION AND MEASUREMENT METHOD	112016023588-6	112016023588-6	BR	10/10/2016	8/15/2017
227	SYSTEMS DEVICES AND METHODS FOR ALIGNMENT PROCEDURES IN DUAL-CONNECTIVITY NETWORKS	112016023604-1	112016023604-1	BR	10/10/2016	8/15/2017
228	SYSTEMS METHODS AND DEVICES FOR FLEXIBLE RETRANSMISSIONS	112016023637-8	112016023637-8	BR	10/10/2016	8/15/2017
229	SYSTEMS DEVICES AND METHODS FOR LONG TERM EVOLUTION AND WIRELESS LOCAL AREA INTERWORKING	112016023648-3	112016023648-3	BR	10/10/2016	8/15/2017

SCHEDULE A

No.	TITLE	Filing Number	Publication Number	Jurisdiction	Filing Date	Publication Date
230	COMMUNICATION SYSTEMS AND METHODS	112016024921-6	112016024921-6	BR	10/25/2016	8/15/2017
231	LTE-U COMMUNICATION DEVICES AND METHODS FOR APERIODIC BEACON AND REFERENCE SIGNAL TRANSMISSION	112016026729-0	112016026729-0	BR	11/16/2016	8/15/2017
232	METHODS APPARATUS OF ENB AND UE FOR MTC WITH NARROWBAND DEPLOYMENT	112016027269-2	112016027269-2	BR	11/22/2016	8/15/2017
233	AN APPARATUS AND METHOD ENHANCING QUALITY OF SERVICE ARCHITECTURE FOR LTE	112016027446-6	112016027446-6	BR	11/23/2016	8/15/2017
234	COMMUNICATION SYSTEMS AND METHODS	112016027472-5		BR	11/23/2016	
235	METHOD AND APPARATUS OF UE AND ENB FOR MTC WITH NARROWBAND DEPLOYMENT	112016027944-1		BR	11/28/2016	
236	PREVENTING A MOBILE DEVICE FROM REPEATING A REQUEST TOWARD A MOBILE NETWORK	112016028140-3		BR	11/30/2016	
237	TECHNIQUES FOR SECURELY RECEIVING CRITICAL COMMUNICATION CONTENT ASSOCIATED WITH A CRITICAL COMMUNICATION SERVICE	112016028184-5	112016028184-5	BR	11/30/2016	8/22/2017
238	SYSTEMS APPARATUSES AND METHODS FOR LIGHTWEIGHT OVER-THE-AIR SIGNALING MECHANISMS IN DATA COMMUNICATIONS	112016029900-0	112016029900-0	BR	12/19/2016	8/22/2017
239	NEIGHBOR CELL SYSTEM INFORMATION PROVISIONING	112016030002-5	112016030002-5	BR	12/20/2016	8/22/2017
240	SYSTEM AND METHOD FOR TDD COMMUNICATIONS	112016030009-2	112016030009-2	BR	12/20/2016	8/22/2017
241	SYSTEMS AND METHODS FOR VARIED CELL BARRING TIMES	112016030351-2	112016030351-2	BR	12/22/2016	8/22/2017
242	VIRTUALIZED NETWORK FUNCTION MANAGEMENT	112017001698-2	112017001698-2	BR	1/26/2017	3/13/2018
243	SYSTEMS METHODS AND DEVICES FOR PROXIMITY SERVICES FOR MULTI-CARRIER CAPABLE MOBILE DEVICES	112017002543-4	112017002543-4	BR	2/7/2017	12/5/2017
244	MODIFIED ARCHITECTURE FOR CLOUD RADIO ACCESS NETWORKS AND APPROACH FOR COMPRESSION OF FRONT-HAUL DATA	112017002566-3	112017002566-3	BR	2/8/2017	12/5/2017
245	CODEBOOK FOR FULL-DIMENSION MULTIPLE INPUT MULTIPLE OUTPUT COMMUNICATIONS	112017003222-8	112017003222-8	BR	2/17/2017	11/28/2017
246	TRANSMISSION OF COMMON CONTROL MESSAGES FOR MACHINE-TYPE COMMUNICATION (MTC) USER EQUIPMENTS WITH REDUCED BANDWIDTH	112017003265-1	112017003265-1	BR	2/17/2017	11/28/2017
247	SMOOTH UE TRANSFER WITHIN AN EVOLVED PACKET CORE	112017003290-2	112017003290-2	BR	2/17/2017	11/28/2017
248	NETWORK FUNCTIONS VIRTUALIZATION	112017003463-8	112017003463-8	BR	2/21/2017	12/5/2017

SCHEDULE A

No.	TITLE	Filing Number	Publication Number	Jurisdiction	Filing Date	Publication Date
249	MOBILE COMMUNICATION IN MACRO-CELL ASSISTED SMALL CELL NETWORKS	112017003647-9	112017003647-9	BR	2/22/2017	12/5/2017
250	SYSTEMS AND METHODS FOR MANAGING CIRCUIT SWITCHED FALLBACK CALLS	112017003704-1	112017003704-1	BR	2/22/2017	12/5/2017
251	INCREASED CARRIER MONITORING	112017003859-5	112017003859-5	BR	2/23/2017	12/5/2017
252	METHODS AND APPARATUSES OF WLAN ALARM NOTIFICATION IN CELLULAR NETWORKS	112017004390-4	112017004390-4	BR	3/6/2017	12/5/2017
253	CARRIAGE OF MEDIA CONTENT QUALITY INFORMATION	112017005189-3	112017005189-3	BR	3/15/2017	12/12/2017
254	METHODS AND APPARATUSES FOR FLEXIBLE MOBILE STEERING IN CELLULAR NETWORKS	112017005397-7	112017005397-7	BR	3/16/2017	12/12/2017
255	CONNECTION CONTROL FOR MACHINE TYPE COMMUNICATION (MTC) DEVICES	112017006044-2	112017006044-2	BR	3/23/2017	12/12/2017
256	SYSTEMS METHODS AND APPARATUSES FOR BEARER SPLITTING IN MULTI-RADIO HETNET	112017006077-9	112017006077-9	BR	3/24/2017	12/19/2017
257	EARLY TERMINATION OF REPEATED TRANSMISSIONS FOR MTC	112017009269-7	112017009269-7	BR	5/3/2017	12/19/2017
258	SYSTEMS AND METHODS FOR SIGNALING IN AN INCREASED CARRIER MONITORING WIRELESS COMMUNICATION ENVIRONMENT	112017009702-8	112017009702-8	BR	5/9/2017	1/2/2018
259	PROVISIONING OF APPLICATION CATEGORIES AT A USER EQUIPMENT DURING NETWORK CONGESTION	112017011034-2	112017011034-2	BR	5/25/2017	1/9/2018
260	PUBLIC SAFETY DISCOVERY AND COMMUNICATION USING A UE-TO-UE RELAY	112017011833-5	112017011833-5	BR	6/5/2017	12/26/2017
261	TECHNIQUES FOR MONITORING VIRTUALIZED NETWORK FUNCTIONS OR NETWORK FUNCTIONS VIRTUALIZATION INFRASTRUCTURE	112017012228-6	112017012228-6	BR	6/8/2017	12/26/2017
262	POWER HEADROOM REPORTING WITH CHANNEL SELECTION	112017013374-1		BR	6/21/2017	
263	DRX OPERATION FOR UL/DL RECONFIGURATION	122016011439-2	122016011439-2	BR	5/19/2016	8/27/2019
264	METHOD AND EVOLVED NODE-B FOR GEOGRAPHIC BIN DATA COLLECTION AND REPORTING	122016021063-4	122016021063-4	BR	9/13/2016	8/27/2019
265	SYSTEMS DEVICES AND METHODS FOR LONG TERM EVOLUTION AND WIRELESS LOCAL AREA INTERWORKING	122016030831-6	122016030831-6	BR	12/28/2016	8/27/2019
266	SIGNALING FOR PROXIMITY SERVICES AND D2D DISCOVERY IN AN LTE NETWORK	122017000902-8	122017000902-8	BR	1/16/2017	9/3/2019
267	REFERENCE SIGNAL ENHANCEMENT FOR SHARED CELL	122017003395-6	122017003395-6	BR	2/20/2017	9/3/2019

SCHEDULE A

No.	TITLE	Filing Number	Publication Number	Jurisdiction	Filing Date	Publication Date
268	APPARATUS SYSTEM AND METHOD OF COMMUNICATING NON-CELLULAR ACCESS NETWORK INFORMATION OVER A CELLULAR NETWORK	122017006293-0	122017006293-0	BR	3/27/2017	9/3/2019
269	DRX OPERATION FOR UL/DL RECONFIGURATION	122017024937-1		BR	11/21/2017	
270	SYSTEMS AND METHODS FOR MODULATION AND CODING SCHEME SELECTION AND CONFIGURATION	2931649	2931649	CA	5/25/2016	7/9/2015
271	SYSTEMS AND METHODS FOR MODULATION AND CODING SCHEME SELECTION AND CONFIGURATION	2931664	2931664	CA	5/25/2016	7/9/2015
272	DEVICE SYSTEM AND METHOD OF CONFIGURING A RADIO TRANSCEIVER	2936027	2936027	CA	7/5/2016	8/27/2015
273	REFERENCE SIGNAL ENHANCEMENT FOR SHARED CELL	2937797	2937797	CA	7/22/2016	9/24/2015
274	APPARATUSES SYSTEMS AND METHODS FOR MEASURING QUALITY OF CELL DISCOVERY SIGNAL	2937805	2937805	CA	7/22/2016	9/17/2015
275	APPARATUS SYSTEM AND METHOD OF SECURING COMMUNICATIONS OF A USER EQUIPMENT (UE) IN A WIRELESS LOCAL AREA NETWORK	2937908	2937908	CA	7/26/2016	10/1/2015
276	SYSTEMS DEVICES AND METHODS FOR INTERWORKING BETWEEN A UNIVERSAL MOBILE TELECOMMUNICATIONS SYSTEM (UMTS) NETWORK AND A WIRELESS LOCAL AREA NETWORK (WLAN)	2937910	2937910	CA	7/22/2016	11/12/2015
277	CIRCUIT SWITCHED FALLBACK	2937915	2937915	CA	7/26/2016	8/27/2015
278	TECHNIQUES FOR COORDINATED APPLICATION OF WIRELESS NETWORK SELECTION AND TRAFFIC ROUTING RULES	2938302	2938302	CA	7/29/2016	10/1/2015
279	ENHANCED NODE B UE AND METHOD FOR SELECTING CELL DISCOVERY SIGNALS IN LTE NETWORKS	2938769	2938769	CA	8/3/2016	9/17/2015
280	APPARATUS AND METHODS FOR REDUCING SOFT BUFFER SIZE IN MTC DEVICES	2939146	2939146	CA	8/9/2016	9/24/2015
281	SYSTEMS METHODS AND DEVICES FOR DEVICE-TO-DEVICE COMMUNICATION MODE SELECTION	2939224	2939224	CA	8/9/2016	9/17/2015
282	SYSTEMS METHODS AND DEVICES FOR DEVICE-TO-DEVICE DISCOVERY AND COMMUNICATION	2939248	2939248	CA	8/9/2016	9/17/2015
283	CHANNEL ACCESS PRIORITY FOR DISTRIBUTED D2D	2939818	2939818	CA	8/16/2016	11/5/2015
284	SYSTEM AND METHOD TO MEASURE AN ERROR RATE OF A WIRELESS LOCAL AREA NETWORK	2939832	2939832	CA	8/15/2016	11/5/2015
285	SOLUTION TO SKIP AUTHENTICATION PROCEDURE DURING CIRCUIT-SWITCHED FALLBACK (CSFB) TOSHORTEN CALL SETUP TIME	2940200	2940200	CA	8/18/2016	11/5/2015

SCHEDULE A

No.	TITLE	Filing Number	Publication Number	Jurisdiction	Filing Date	Publication Date
286	SYSTEMS DEVICES AND METHODS FOR LONG TERM EVOLUTION AND WIRELESS LOCAL AREA INTERWORKING	2945065	2945065	CA	10/5/2016	11/12/2015
287	SYSTEMS METHODS AND DEVICES FOR SYNCHRONIZATION SOURCE SELECTION FOR DEVICE-TO-DEVICE COMMUNICATION	2945155	2945155	CA	10/6/2016	11/12/2015
288	PRIORITIZED CELL IDENTIFICATION AND MEASUREMENT METHOD	2945207	2945207	CA	10/6/2016	11/12/2015
289	COMMUNICATION SYSTEMS AND METHODS	2947762	2947762	CA	11/1/2016	12/10/2015
290	REFERENCE SIGNAL ENHANCEMENT FOR SHARED CELL	2954509	2954509	CA	1/11/2017	9/24/2015
291	INCREASED CARRIER MONITORING	2958300	2958300	CA	2/16/2017	3/31/2016
292	CONTEXT-RETENTION CONTROLLER AND METHOD FOR CONTEXT RETENTION IN WIRELESS ACCESS NETWORKS	128463478	2774432	CH	4/15/2014	9/10/2014
293	A METHOD AND SYSTEM FOR THE MANAGEMENT OF CELL INTERFERENCE IN A WIRELESS COMMUNICATION NETWORK	138705876	2944135	CH	6/10/2015	11/18/2015
294	CONTENT URL AUTHENTICATION FOR DASH	138719356	2946583	CH		11/25/2015
295	APPARATUS SYSTEM AND METHOD OF COMMUNICATING NON-CELLULAR ACCESS NETWORK INFORMATION OVER A CELLULAR NETWORK	138721980	2946607	CH		11/25/2015
296	NETWORK ASSISTED DEVICE TO DEVICE DISCOVERY	138753611	2959734	CH		12/30/2015
297	UE BASED D2D DISCOVERY	138757950	2959735	CH		12/30/2015
298	USER EQUIPMENT WITH REDUCED POWER CONSUMPTION OPERATIONAL MODES	138760301	2959729	CH		12/30/2015
299	MULTICAST-BASED GROUP COMMUNICATIONS IN AD HOC ARRANGEMENTS OF WIRELESS DEVICES	138763842	2962521	CH		1/6/2016
300	QUALITY-AWARE RATE ADAPTATION TECHNIQUES FOR DASH STREAMING	138805379	2979414	CH		2/3/2016
301	EXTENDED PAGING DISCONTINUOUS RECEPTION (DRX) CYCLES IN WIRELESS COMMUNICATION NETWORKS	138806229	2979504	CH		2/3/2016
302	CONTROL OF WLAN SELECTION POLICIES IN ROAMING SCENARIOS	138806237	2979499	CH	8/27/2015	2/3/2016
303	RADIO LINK MONITORING FOR EPDCCH	138808100	2982154	CH		2/10/2016
304	SMALL DATA COMMUNICATIONS	138840335	2995019	CH		3/16/2016
305	MULTIPLE RADIO LINK CONTROL (RLC) GROUPS	138845284	2997670	CH		3/23/2016
306	LINK-AWARE STREAMING ADAPTATION	147566350	2962435	CH		1/6/2016
307	RADIO ACCESS TECHNOLOGY SELECTION IN A HETEROGENEOUS NETWORK	147571194	2962497	CH		1/6/2016

SCHEDULE A

No.	TITLE	Filing Number	Publication Number	Jurisdiction	Filing Date	Publication Date
308	TECHNIQUES FOR WIRELESS NETWORK DISCOVERY AND SELECTION SUPPORT	147725709	2979497	CH	8/20/2015	2/3/2016
309	QUALITY OF EXPERIENCE AWARE MULTIMEDIA ADAPTIVE STREAMING	147742142	2979427	CH	8/24/2015	2/3/2016
310	PROVISIONING OF APPLICATION CATEGORIES AT A USER EQUIPMENT DURING NETWORK CONGESTION	147760011	2979495	CH		2/3/2016
311	NETWORK ASSISTED INTERFERENCE CANCELLATION AND SUPPRESSION WITH RESPECT TO INTERFERING CONTROL CHANNEL TRANSMISSIONS	147763288	2979413	CH		2/3/2016
312	AN APPARATUS AND METHOD FOR CONGESTION CONTROL IN WIRELESS COMMUNICATION NETWORKS	147879878	2989829	CH		3/2/2016
313	THROUGHPUT CHARACTERIZATION	147949820	2995022	CH	10/16/2015	3/16/2016
314	USER EQUIPMENT AND METHODS FOR CODEBOOK SUBSAMPLING FOR ENHANCED 4TX CODEBOOKS	148044126	3005636	CH		4/13/2016
315	APPARATUS SYSTEM AND METHOD OF SELECTIVELY PROVIDING INTERNET PROTOCOL (IP) SESSION CONTINUITY	148291107	3025533	CH		6/1/2016
316	DOWNTILT SELECTION IN A FULL DIMENSIONAL MULTIPLE-INPUT MULTIPLE-OUTPUT SYSTEM	148291487	3025435	CH		6/1/2016
317	COOPERATIVE MULTIPLE BEAM TRANSMISSION	148337041	3031145	CH		6/15/2016
318	SIGNALING RADIO BEARER OPTIMIZATIONS AND OTHER TECHNIQUES FOR SUPPORTING SMALL DATA TRANSMISSIONS	148341522	3031284	CH		6/15/2016
319	METHOD APPARATUS AND SYSTEM FOR ELECTRICAL DOWNTILT ADJUSTMENT IN A MULTIPLE INPUT MULTIPLE OUTPUT SYSTEM	148347701	3031146	CH		6/15/2016
320	METHOD AND SYSTEM OF ADVANCED INTERFERENCE CANCELLATION ON PDSCH AT THE UE	148347768	3031152	CH		6/15/2016
321	SIGNALING FOR PROXIMITY SERVICES AND D2D DISCOVERY IN AN LTE NETWORK	148350218	3031272	CH		6/15/2016
322	NETWORK MANAGEMENT	148354210	3031295	CH		6/15/2016
323	TECHNIQUES AND CONFIGURATIONS ASSOCIATED WITH MACHINE TYPE COMMUNICATION IN ENHANCED COVERAGE MODE	148451743	3047579	CH		7/27/2016
324	CONGESTION MEASUREMENT AND REPORTING FOR REAL-TIME DELAY-SENSITIVE APPLICATIONS	148454549	3047672	CH		7/27/2016
325	CONGESTION CONTROL FOR SHORT MESSAGE SERVICE IN 3RD GENERATION PARTNERSHIP PROJECT (3GPP) SYSTEMS	148462658	3047674	CH		7/27/2016
326	USER EQUIPMENT AND METHODS FOR FAST HANDOVER FAILURE RECOVERY IN 3GPP LTE NETWORK	148465529	3047679	CH		7/27/2016

SCHEDULE A

No.	TITLE	Filing Number	Publication Number	Jurisdiction	Filing Date	Publication Date
327	GENERATION OF RANDOM ACCESS PREAMBLES	148466865	3047600	CH		7/27/2016
328	SYSTEMS METHODS AND DEVICES WITH DIFFERENT RADIO LINK FAILURE TIMERS BASED ON USER EQUIPMENT SPEED	148478043	3064027	CH		9/7/2016
329	SYSTEMS METHODS AND DEVICES FOR TRAFFIC OFFLOADING	148482250	3050349	CH		8/3/2016
330	REDUCTION OF PACKET RETRANSMISSIONS IN DUAL CONNECTIVITY SYSTEMS	148483605	3050352	CH		8/3/2016
331	SIGNALING EXTENDED EARFCN AND E-UTRA BANDS IN UMTS NETWORKS	148569197	3064012	CH		9/7/2016
332	SYSTEMS METHODS AND DEVICES FOR EFFICIENT DEVICE-TO-DEVICE CHANNEL CONTENTION	148581481	3064016	CH		9/7/2016
333	RESOURCE SELECTION IN DEVICE TO DEVICE COMMUNICATION	148583065	3064007	CH		9/7/2016
334	USER EQUIPMENT AND EVOLVED NODE-B AND METHODS FOR OPERATION IN A COVERAGE ENHANCEMENT MODE	148588601	3063883	CH		9/7/2016
335	USER EQUIPMENT AND METHODS OF BEARER OPERATION FOR CARRIER AGGREGATION	148591456	3063982	CH		9/7/2016
336	METHOD AND EVOLVED NODE-B FOR GEOGRAPHIC BIN DATA COLLECTION AND REPORTING	148773344	3092842	CH		11/16/2016
337	APPARATUS SYSTEM AND METHOD OF PROVIDING OFFLOADABILITY INFORMATION TO A USER-EQUIPMENT (UE)	157331240	3092845	CH		11/16/2016
338	SYSTEMS AND METHODS FOR MODULATION AND CODING SCHEME SELECTION AND CONFIGURATION	157332461	3092761	CH		11/16/2016
339	DISCONTINUOUS RECEPTION (DRX) ALIGNMENT TECHNIQUES FOR DUAL-CONNECTIVITY ARCHITECTURES	157333139	3092854	CH		11/16/2016
340	DOWNLINK CONTROL INFORMATION (DCI) DESIGN FOR LTE DEVICES	157483660	3202073	CH		8/9/2017
341	SCHEDULING FOR AN UNLICENSED CARRIER TYPE	157524422	3111569	CH		1/4/2017
342	CIRCUIT SWITCHED FALLBACK	157525577	3111699	CH		1/4/2017
343	USER EQUIPMENT COMPUTER READABLE MEDIUM AND METHOD TO DETERMINE THE MOBILITY OF USER EQUIPMENT IN A LONG-TERM EVOLUTION NETWORK	157527573	3111692	CH		1/4/2017
344	SYSTEMS METHODS AND DEVICES FOR DEVICE-TO-DEVICE COMMUNICATION MODE SELECTION	157616236	3117673	CH		1/18/2017
345	SYSTEMS METHODS AND DEVICES FOR DEVICE-TO-DEVICE DISCOVERY AND COMMUNICATION	157619610	3117543	CH		1/18/2017
346	SMOOTH UE TRANSFER WITHIN AN EVOLVED PACKET CORE	157628652	3198941	CH		8/2/2017

SCHEDULE A

No.	TITLE	Filing Number	Publication Number	Jurisdiction	Filing Date	Publication Date
347	METHODS SYSTEMS AND DEVICES FOR MODULATION AND CODING SCHEME SIGNALING FOR COMMON CONTROL CHANNEL	157652991	3120477	CH		1/25/2017
348	SYSTEMS METHODS AND DEVICES FOR RADIO ACCESS TECHNOLOGY COORDINATION	157714718	3262887	CH		1/3/2018
349	USER EQUIPMENT AND METHODS FOR HANDOVER INITIATION	157822800	3135058	CH		3/1/2017
350	USER EQUIPMENT AND METHODS FOR MEASUREMENT OF REFERENCE SIGNAL RECEIVED QUALITY	157853805	3138316	CH		3/8/2017
351	SYSTEMS METHODS AND DEVICES FOR DIRECT DEVICE TO DEVICE COMMUNICATION USING ENCAPSULATION	157910936	3248437	CH		11/29/2017
352	DEVICES AND METHOD FOR RETRIEVING AND UTILIZING NEIGHBORING WLAN INFORMATION FOR LTE LAA OPERATION	158028233	3149993	CH		4/5/2017
353	MEASUREMENT GAP ENHANCEMENT TO REDUCE MEASUREMENT DELAY	158288969	3295704	CH		3/21/2018
354	VIRTUALIZED NETWORK FUNCTION MANAGEMENT	158304634	3178199	CH		6/14/2017
355	NETWORK DISCOVERY AND BEAM ACQUISITION FOR BEAM CELLOPERATION	158346924	3329608	CH		6/6/2018
356	INTERACTIVE ZOOMING IN VIDEO CONFERENCING	161688809	3094063	CH		11/16/2016
357	TECHNIQUES FOR WIRELESS NETWORK DISCOVERY AND SELECTION SUPPORT	161690441	3086602	CH		10/26/2016
358	DRX OPERATION FOR UL/DL RECONFIGURATION	161702980	3101824	CH		12/7/2016
359	RADIO RESOURCE MANAGEMENT (RRM) REPORTING FOR LICENSED ASSISTED ACCESS (LAA)	167060672	3251402	CH		12/6/2017
360	DETERMINATION OF NUMBER OF PHYSICAL UPLINK CONTROL CHANNEL REPETITIONS FOR MACHINE TYPE COMMUNICATIONS	167167592	3353935	CH		8/1/2018
361	SIGNALING FOR PROXIMITY SERVICES AND D2D DISCOVERY IN AN LTE NETWORK	171654403	3209039	CH		8/23/2017
362	COVERAGE EXTENSION LEVEL FOR COVERAGE LIMITED DEVICE	171705387	3229517	CH		10/11/2017
363	UE BASED D2D DISCOVERY	172007726	3300398	CH		3/28/2018
364	APPARATUS SYSTEM AND METHOD OF CELLULAR NETWORK COMMUNICATIONS CORRESPONDING TO A NON-CELLULAR NETWORK			CH		
365	CONTROL OF TRAFFIC FROM APPLICATIONS WHEN THIRD PARTY SERVERS ENCOUNTER PROBLEMS			CH		
366	EMISSION SUPPRESSION FOR WIRELESS COMMUNICATION DEVICES	2011101573543	102281217	CN		12/14/2011

SCHEDULE A

No.	TITLE	Filing Number	Publication Number	Jurisdiction	Filing Date	Publication Date
367	SYSTEMS AND METHODS FOR SPURIOUS EMISSION CANCELLATION	2011102869732	102751999	CN		10/24/2012
368	METHOD AND SYSTEM FOR CONTROLLING SIGNAL TRANSMISSION OF A WIRELESS COMMUNICATION DEVICE	2012100556390	102740431	CN		10/17/2012
369	SYSTEM AND METHOD FOR TUNING AN ANTENNA IN A WIRELESS COMMUNICATION DEVICE	2012100835952	102694566	CN		9/26/2012
370	SYSTEM AND METHOD FOR ESTIMATING AND CORRECTING PHASE SHIFT IN A WIRELESS COMMUNICATION DEVICE	2012102318679	102857452	CN		1/2/2013
371	SYSTEM AND METHOD FOR IMPROVING POWER EFFICIENCY OF A TRANSMITTER	2012102910479	102957390	CN		3/6/2013
372	SYSTEM AND METHOD FOR PRESERVING INPUT IMPEDANCE OF A CURRENT-MODE CIRCUIT	2012102989495	102957441	CN		3/6/2013
373	CONTEXT-RETENTION CONTROLLER AND METHOD FOR CONTEXT RETENTION IN WIRELESS ACCESS NETWORKS	2012800540013	104067677	CN	4/30/2014	9/24/2014
374	TUNABLE WIDEBAND DISTRIBUTION CIRCUIT	2013103748096	103634018	CN		3/12/2014
375	SYSTEM AND METHOD FOR HIGH PERFORMANCE COHERENT PEAK COMPRESSION ESTIMATION	2013105611280	103873402	CN		6/18/2014
376	VARIABLE INDUCTOR FOR LC OSCILLATOR	2013107018092	103888079	CN		6/25/2014
377	HARQ IMPROVEMENT FOR TD-LTE UL/DL CONFIGURATION 2	2013107464638	104753649	CN		7/1/2015
378	NETWORK ASSISTED DEVICE-TO-DEVICE DISCOVERY FOR PEER-TO-PEER APPLICATION	2013800516502	104838697	CN	4/1/2015	8/12/2015
379	SEQUENCE GENERATION FOR CELL SPECIFIC REFERENCE SIGNAL (CRS)	2013800580778	104782062	CN	5/6/2015	7/15/2015
380	ENERGY-HARVESTING DEVICES IN WIRELESS NETWORKS	2013800640552	104854773	CN	6/8/2015	8/19/2015
381	SYSTEMS AND METHODS FOR GENERATING A DISCOVERY SIGNAL IN A DEVICE-TO-DEVICE OR NETWORK COMMUNICATION	2013800644801	104885390	CN	6/10/2015	9/2/2015
382	LAWFUL INTERCEPTION FOR DEVICE-TO-DEVICE (D2D) COMMUNICATION	2013800644888	104871444	CN	6/10/2015	8/26/2015
383	CHANNEL QUALITY INDICATION FOR FALLBACK TRANSMISSION MODE OVER NEW CARRIER TYPE	2013800645471	104969503	CN	6/10/2015	10/7/2015
384	CONTENT URL AUTHENTICATION FOR DASH	2013800645715	104854894	CN	6/10/2015	8/19/2015
385	CHANNEL STATE INFORMATION-REFERENCE SIGNAL PATTERNS FOR TIME DIVISION DUPLEX SYSTEMS IN LONG TERM EVOLUTION WIRELESS NETWORKS	2013800646474	104995855	CN	6/10/2015	10/21/2015

SCHEDULE A

No.	TITLE	Filing Number	Publication Number	Jurisdiction	Filing Date	Publication Date
386	DYNAMIC CONFIGURATION OF UPLINK (UL) AND DOWNLINK (DL) FRAME RESOURCES FOR A TIME DIVISION DUPLEX (TDD) TRANSMISSION	2013800646648	104885389	CN	6/10/2015	9/2/2015
387	FAST SMALL CELL DISCOVERY	2013800650802	104885504	CN	6/12/2015	9/2/2015
388	DASH-AWARE NETWORK APPLICATION FUNCTION (D-NAF)	2013800651044	104854835	CN	6/12/2015	8/19/2015
389	IMPROVED TECHNIQUES FOR USER PLANE CONGESTION MITIGATION	2013800653016	104871587	CN	6/12/2015	8/26/2015
390	DEVICE-TO-DEVICE DISCOVERY WITH DIRECT RADIO SIGNALS	2013800654907	104854916	CN	6/15/2015	8/19/2015
391	PUCCH RESOURCE COMPRESSION FOR EPDCC IN TDD MODE	2013800656495	105009488	CN	6/15/2015	10/28/2015
392	APPARATUS SYSTEM AND METHOD OF COMMUNICATING NON-CELLULAR ACCESS NETWORK INFORMATION OVER A CELLULAR NETWORK	2013800660630	105144789	CN	6/17/2015	12/9/2015
393	MAPPING SPECIAL SUBFRAMES IN A WIRELESS COMMUNICATION NETWORK	2013800661046	104871447	CN	6/17/2015	8/26/2015
394	PRESENCE SERVICE USING IMS BASED DASH SERVICE	2013800661811	105009511	CN	6/17/2015	10/28/2015
395	COMMUNICATION OF SECURITY KEY INFORMATION	2013800661898	105027597	CN	6/17/2015	11/4/2015
396	TECHNIQUES AND SYSTEMS FOR EXTENDED DISCONTINUOUS RECEPTION	2013800662570	105009478	CN	6/17/2015	10/28/2015
397	METHOD APPARATUS AND SYSTEM FOR HANDLING IN-DEVICE COEXISTENCE INTERFERENCE IN A WIRELESS NETWORK	2013800662602		CN	6/17/2015	
398	PATH SWITCHING PROCEDURE FOR DEVICE-TO-DEVICE COMMUNICATION	2013800704836	104919766	CN	7/15/2015	9/16/2015
399	UE-BASED D2D DISCOVERY	2013800704855	104919876	CN	7/15/2015	9/16/2015
400	DEVICE TO DEVICE COMMUNICATION WITH CLUSTER COORDINATING	2013800704925	104937859	CN	7/15/2015	9/23/2015
401	NETWORK ASSISTED DEVICE TO DEVICE DISCOVERY	2013800705788	104938003	CN	7/15/2015	9/23/2015
402	SYSTEMS AND METHODS FOR ACCESS NETWORK SELECTION AND TRAFFIC ROUTING	2013800705839	104937995	CN	7/15/2015	9/23/2015
403	TARGETED GROUP-BASED DEVICE DISCOVERY FOR WIRELESS COMMUNICATION DEVICES	2013800705843	104937961	CN	7/15/2015	9/23/2015
404	REPORTING OF USER PLANE CONGESTION (UPCON) USING A UPCON CONTAINER	2013800711435	105103591	CN	7/22/2015	11/25/2015
405	COORDINATION OF CAPACITY AND COVERAGE OPTIMIZATION OF SELF-ORGANIZING NETWORKS	2013800714471	104956710	CN	7/27/2015	9/30/2015
406	METHOD AND APPARATUS FOR CONFIGURING AND USING SMALL DATA RADIO BEARERS	2013800714950	104956721	CN	7/27/2015	9/30/2015

SCHEDULE A

No.	TITLE	Filing Number	Publication Number	Jurisdiction	Filing Date	Publication Date
407	QUASI CO-LOCATION AND PDSCH RESOURCE ELEMENT MAPPING SIGNALING FOR NETWORK ASSISTED INTERFERENCE MITIGATION	2013800715169	104982063	CN	7/27/2015	10/14/2015
408	MULTICAST-BASED GROUP COMMUNICATIONS IN AD HOC ARRANGEMENTS OF WIRELESS DEVICES	2013800715262	104956766	CN	7/27/2015	9/30/2015
409	TECHNIQUES FOR CONNECTIONLESS SMALL DATA TRANSMISSION	2013800715281	104995852	CN	7/27/2015	10/21/2015
410	SPECTRUM SHARING BASED ON SELF-ORGANIZING NETWORKS	2013800715328	105009664	CN	7/27/2015	10/28/2015
411	CONTROL OF WLAN SELECTION POLICIES IN ROAMING SCENARIOS	2013800729034	104995961	CN	8/13/2015	10/21/2015
412	USER EQUIPMENT AND METHOD FOR DISTRIBUTED CHANNEL ACCESS FOR D2D COMMUNICATIONS	2013800736220	105075370	CN	8/21/2015	11/18/2015
413	TECHNIQUES TO FACILITATE DUAL CONNECTIVITY	2013800736381	105075388	CN	8/21/2015	11/18/2015
414	ORTHOGONAL BEAMFORMING FOR MULTIPLE USER MULTIPLE-INPUT AND MULTIPLE-OUTPUT (MU-MIMO)	2013800736907	105027461	CN	8/24/2015	11/4/2015
415	LOW POWER DEVICE TO DEVICE TRANSMISSION	2013800737331	105027655	CN	8/24/2015	11/4/2015
416	WIRELESS LOCAL AREA NETWORK (WLAN) TRAFFIC LOAD MEASUREMENT PROVISIONING TO WIRELESS CELLULAR NETWORKS	2013800737346	105075316	CN	8/24/2015	11/18/2015
417	EXTENDED PAGING DISCONTINUOUS RECEPTION (DRX) CYCLES IN WIRELESS COMMUNICATION NETWORKS	2013800737399	105103634	CN	8/24/2015	11/25/2015
418	INTERNET PROTOCOL (IP) MULTIMEDIA SUBSYSTEM (IMS) BASED PEER-TO-PEER (P2P) CONTENT DISTRIBUTION	2013800738438	105027499	CN	8/26/2015	11/4/2015
419	APPARATUS SYSTEM AND METHOD OF CELLULAR NETWORK COMMUNICATIONS CORRESPONDING TO A NON-CELLULAR NETWORK	2013800739110	105009684	CN	8/27/2015	10/28/2015
420	DUAL CONNECTIVITY FOR TERMINALS SUPPORTING ONE UPLINK CARRIER	2013800740476	105265016	CN	8/28/2015	1/20/2016
421	SHARED SPECTRUM REASSIGNMENT IN A SPECTRUM SHARING CONTEXT	2013800749292	105144768	CN	9/21/2015	12/9/2015
422	WIRELESS TRANSMISSION PRECODING	2013800749362	105052046	CN	9/21/2015	11/11/2015
423	HYBRID REFERENCE SIGNALS FOR WIRELESS COMMUNICATION	2013800749502	105052227	CN	9/21/2015	11/11/2015
424	REDUCTION OF BUFFER OVERFLOW	2013800753512	105103606	CN	9/30/2015	11/25/2015
425	SMALL DATA COMMUNICATIONS	2013800754341	105122672	CN	10/8/2015	12/2/2015
426	HYBRID DIGITAL AND ANALOG BEAMFORMING FOR LARGE ANTENNA ARRAYS	2013800759699	105144600	CN	10/23/2015	12/9/2015
427	INTERFERENCE AID FREQUENCY OFFSET ESTIMATION FOR USER EQUIPMENT	2013800807828	105940724	CN	5/6/2016	9/14/2016

SCHEDULE A

No.	TITLE	Filing Number	Publication Number	Jurisdiction	Filing Date	Publication Date
428	SYSTEM AND METHOD FOR FREQUENCY CONTROL LOOP IN A MOBILE DEVICE WITH A PLURALITY OF SIMS	2013800811486	105723616	CN	5/24/2016	6/29/2016
429	COMMUNICATION DEVICE AND METHOD FOR PERFORMING RADIO COMMUNICATION	2014102207105	104185230	CN		12/3/2014
430	CALIBRATED TEMPERATURE MEASUREMENT SYSTEM	2014102338084	104215352	CN		12/17/2014
431	REDUCING TRANSMISSION SIGNAL ARTIFACT SPACING	2014102514512	104244304	CN		12/24/2014
432	METHOD AND DEVICE FOR PROCESSING A SIGNAL BASED ON A FIRST AND A SECOND COVARIANCE MEASURE	2014102905925	104253776	CN		12/31/2014
433	APPARATUS AND METHOD FOR DETERMINING INFORMATION ON A POWER VARIATION OF A TRANSMIT SIGNAL	2014103682411	104348438	CN		2/11/2015
434	POWER SAVING TECHNIQUE FOR DIGITAL TO TIME CONVERTERS	2014106164698	104519558	CN		4/15/2015
435	SUBSCRIBER IDENTITY MODULE DATA ROUTING DEVICES METHODS FOR ROUTING SUBSCRIBER IDENTITY MODULE DATA CONTROL CIRCUITS AND METHODS FOR CONTROLLING A CHANGE OF A ROUTING	2014106424695	104581872	CN		4/29/2015
436	METHOD BASEBAND SIGNAL GENERATOR AND COMPUTER PROGRAM FOR PROVIDING A BASEBAND SIGNAL	2014108582725	104735005	CN		6/24/2015
437	A TRANSCEIVER DEVICE AND A METHOD FOR GENERATING A COMPENSATION SIGNAL	2014108584311	104796170	CN		7/22/2015
438	LINK-AWARE STREAMING ADAPTATION	2014800060265	104956631	CN	7/24/2015	9/30/2015
439	RADIO ACCESS TECHNOLOGY SELECTION IN A HETEROGENEOUS NETWORK	2014800060335	104995963	CN	7/24/2015	10/21/2015
440	NETWORK SELECTION IN A HETEROGENEOUS NETWORK	2014800062415	104982074	CN	7/27/2015	10/14/2015
441	HANDOVER OF USER EQUIPMENT WITH NON-GBR BEARERS	2014800097109	105075334	CN	8/20/2015	11/18/2015
442	TIMING SYNCHRONIZATION IN DISCOVERY SIGNALS	2014800100188	105027523	CN	8/21/2015	11/4/2015
443	MANAGEMENT TECHNIQUES FOR WIRELESS NETWORK MOBILITY PROCEDURES	2014800101195	105075304	CN	8/24/2015	11/18/2015
444	QUALITY OF EXPERIENCE AWARE MULTIMEDIA ADAPTIVE STREAMING	2014800101532	105075214	CN	8/24/2015	11/18/2015
445	PROVISIONING OF APPLICATION CATEGORIES AT A USER EQUIPMENT DURING NETWORK CONGESTION	2014800101797	105103621	CN	8/24/2015	11/25/2015
446	TECHNIQUES FOR WIRELESS NETWORK DISCOVERY AND SELECTION SUPPORT	2014800101848	105027629	CN	8/24/2015	11/4/2015
447	HARQ TIMING DESIGN FOR A TDD	2014800101975	105009481	CN	8/24/2015	10/28/2015

SCHEDULE A

No.	TITLE	Filing Number	Publication Number	Jurisdiction	Filing Date	Publication Date
	SYSTEM					
448	PAGING REPETITION FOR INCREASED ROBUSTNESS FOR EXTENDED PAGING CYCLES	2014800103326	105009662	CN	8/25/2015	10/28/2015
449	DEVICE-TO-DEVICE (D2D) PREAMBLE DESIGN	2014800105533	105009482	CN	8/26/2015	10/28/2015
450	FAST RADIO LINK RECOVERY FOR LTE NETWORKS	2014800108480	105144774	CN	8/27/2015	12/9/2015
451	ENHANCED NODE B AND METHOD FOR RRC CONNECTION ESTABLISHMENT FOR SMALL DATA TRANSFERS	2014800109924	105027468	CN	8/27/2015	11/4/2015
452	RECONFIGURATION CONTROL CHANNEL RESOURCE MAPPING COLLISION AVOIDANCE	2014800111676	105122673	CN	8/28/2015	12/2/2015
453	NETWORK SCHEDULED DEVICE TO DEVICE COMMUNICATION	2014800111750	105103473	CN	8/28/2015	11/25/2015
454	AN APPARATUS AND METHOD FOR CONGESTION CONTROL IN WIRELESS COMMUNICATION NETWORKS	2014800171677	105103622	CN	9/21/2015	11/25/2015
455	DIAMETER/XML PROTOCOL CONVERSION	2014800171840	105052114	CN	9/21/2015	11/11/2015
456	RADIO ACCESS TECHNOLOGY INFORMATION STORAGE IN A MOBILE NETWORK	2014800171874	105340327	CN	9/21/2015	2/17/2016
457	ARCHITECTURE FOR WEB-BASED REAL-TIME COMMUNICATIONS (WEBRTC) TO ACCESS INTERNET PROTOCOL MULTIMEDIA SUBSYSTEM (IMS)	2014800172330	105052109	CN	9/21/2015	11/11/2015
458	USER EQUIPMENT AND METHOD FOR FEEDBACK OF USER EQUIPMENT PERFORMANCE METRICS DURING DYNAMIC RADIO SWITCHING	2014800172379	105052202	CN	9/21/2015	11/11/2015
459	WIRELESS LOCAL AREA NETWORK (WLAN) SELECTION RULES	2014800172538	105103626	CN	9/21/2015	11/25/2015
460	SYSTEM AND METHOD FOR INTERFERENCE CANCELLATION AND/OR SUPPRESSION ON PHYSICAL DOWNLINK SHARED CHANNEL AT THE USER EQUIPMENT	2014800172665	105324952	CN	9/21/2015	2/10/2016
461	UPLINK ENHANCEMENTS FOR EFFICIENT OPERATION IN SMALL CELL ENVIRONMENTS	2014800177584	105052052	CN	9/23/2015	11/11/2015
462	SYSTEMS METHODS AND DEVICES FOR DISTRIBUTED SCHEDULING FOR DEVICE-TO-DEVICE INTERFERENCE MITIGATION	2014800184249	105103519	CN	9/25/2015	11/25/2015
463	SYSTEMS AND METHODS USING A CENTRALIZED NODE TO COLLECT RAN USER PLANE CONGESTION INFORMATION	2014800185044	105103648	CN	9/25/2015	11/25/2015
464	INCREASING SPECTRAL EFFICIENCY IN A HETEROGENEOUS NETWORK	2014800201437	105359477	CN	10/8/2015	2/24/2016
465	THROUGHPUT CHARACTERIZATION	2014800201973	105122732	CN	10/8/2015	12/2/2015
466	NETWORK ASSISTED DEVICE TO DEVICE COMMUNICATION	2014800202124	105103609	CN	10/8/2015	11/25/2015

SCHEDULE A

No.	TITLE	Filing Number	Publication Number	Jurisdiction	Filing Date	Publication Date
467	SECURITY KEY REFRESH FOR DUAL CONNECTIVITY	2014800204331	107079289	CN	10/9/2015	8/18/2017
468	MULTIPLE-INPUT MULTIPLE-OUTPUT CELLULAR NETWORK COMMUNICATIONS	2014800204469	105340190	CN	10/9/2015	2/17/2016
469	NETWORK SELECTION IN A HETEROGENEOUS NETWORK	2014800204539	105359586	CN	10/9/2015	2/24/2016
470	GENERATION AND USE OF A USER EQUIPMENT LOCATION DISTRIBUTION IN A WIRELESS COMMUNICATION NETWORK	2014800205419	105165053	CN	10/9/2015	12/16/2015
471	USER EQUIPMENT AND METHODS FOR CODEBOOK SUBSAMPLING FOR ENHANCED 4TX CODEBOOKS	2014800232717	105144647	CN	10/23/2015	12/9/2015
472	REDUCTION OF USER PLANE CONGESTION	2014800232933	105594246	CN	10/23/2015	5/18/2016
473	EFFICIENT USER SERVICE OR CONTENT REPRESENTATION FOR DEVICE COMMUNICATION	2014800234074	105191171	CN	10/23/2015	12/23/2015
474	PROXIMITY-BASED SERVICES DISCOVERY PRIVACY	2014800245844	105165042	CN	10/30/2015	12/16/2015
475	ENABLING DIRECT TRANSPORT LAYER CONNECTIVITY	2014800354964	105359492	CN	12/21/2015	2/24/2016
476	DYNAMICAL TIME DIVISION DUPLEX UPLINK AND DOWNLINK CONFIGURATION IN A COMMUNICATIONS NETWORK	2014800355079	105359429	CN	12/21/2015	2/24/2016
477	DOWNTILT SELECTION IN A FULL DIMENSIONAL MULTIPLE-INPUT MULTIPLE-OUTPUT SYSTEM	2014800355083	105359424	CN	12/21/2015	2/24/2016
478	SIGNALING MESSAGE SYNCHRONIZATION	2014800355100	105340339	CN	12/21/2015	2/17/2016
479	SELECTING A RADIO NODE FOR DATA TRAFFIC OFFLOADING	2014800355134	105340332	CN	12/21/2015	2/17/2016
480	APPARATUS SYSTEM AND METHOD OF SELECTIVELY PROVIDING INTERNET PROTOCOL (IP) SESSION CONTINUITY	2014800355172	105359561	CN	12/21/2015	2/24/2016
481	USER EQUIPMENT AND EVOLVED NODE-B SUPPORTING MACHINE TYPE COMMUNICATION AND SMALL DATA COMMUNICATION	2014800355628	105325029	CN	12/21/2015	2/10/2016
482	NETWORK COVERAGE HOLE DETECTION	2014800365013	105453635	CN	12/25/2015	3/30/2016
483	TECHNIQUES FOR EFFICIENT SMALL CELL DISCOVERY	2014800365441	105340203	CN	12/25/2015	2/17/2016
484	POWER SAVING MODE OPTIMIZATIONS AND RELATED PROCEDURES	2014800384495	105359059	CN	1/4/2016	2/24/2016
485	SYSTEMS AND METHODS FOR MOBILITY STATE ESTIMATION FRAMEWORK FOR LTE NETWORK	2014800384508	105493536	CN	1/4/2016	4/13/2016
486	SIGNALING RADIO BEARER OPTIMIZATIONS AND OTHER TECHNIQUES FOR SUPPORTING SMALL DATA TRANSMISSIONS	2014800384512	105359615	CN	1/4/2016	2/24/2016

SCHEDULE A

No.	TITLE	Filing Number	Publication Number	Jurisdiction	Filing Date	Publication Date
487	USER EQUIPMENT AND METHOD FOR PACKET BASED DEVICE-TO-DEVICE (D2D) DISCOVERY IN AN LTE NETWORK	2014800384616	105359476	CN	1/4/2016	2/24/2016
488	METHOD AND SYSTEM OF ADVANCED INTERFERENCE CANCELLATION ON PDSCH AT THE UE	2014800384813	105359440	CN	1/4/2016	2/24/2016
489	SIGNALING FOR PROXIMITY SERVICES AND D2D DISCOVERY IN AN LTE NETWORK	2014800384885	105359606	CN	1/4/2016	2/24/2016
490	USER EQUIPMENT REALLOCATION BETWEEN NODES	2014800390231	105379366	CN	1/7/2016	3/2/2016
491	COOPERATIVE MULTIPLE BEAM TRANSMISSION	2014800391380	105432027	CN	1/8/2016	3/23/2016
492	APPARATUS SYSTEM AND METHOD OF STEERING DATA RADIO BEARER TRAFFIC TO A WIRELESS LOCAL AREA NETWORK LINK	2014800391624	105379410	CN	1/8/2016	3/2/2016
493	NETWORK MANAGEMENT	2014800391802	105393638	CN	1/8/2016	3/9/2016
494	USER EQUIPMENT DISTRIBUTION INFORMATION COLLECTION	2014800392190	105393574	CN	1/8/2016	3/9/2016
495	TECHNIQUES FOR DEVICE-TO-DEVICE COMMUNICATIONS	2014800392523	105393632	CN	1/8/2016	3/9/2016
496	METHOD APPARATUS AND SYSTEM FOR ELECTRICAL DOWNTILT ADJUSTMENT IN A MULTIPLE INPUT MULTIPLE OUTPUT SYSTEM	2014800393085	105393470	CN	1/8/2016	3/9/2016
497	COVERAGE EXTENSION LEVEL FOR COVERAGE LIMITED DEVICE	2014800393371	105379148	CN	1/8/2016	3/2/2016
498	USER EQUIPMENT AND METHODS FOR FAST HANDOVER FAILURE RECOVERY IN 3GPP LTE NETWORK	2014800442698	105612786	CN	2/4/2016	5/25/2016
499	CONGESTION MEASUREMENT AND REPORTING FOR REAL-TIME DELAY-SENSITIVE APPLICATIONS	2014800451358	105474683	CN	2/14/2016	4/6/2016
500	TRANSMISSION OF PHYSICAL BROADCAST CHANNEL (PBCH) CONTENTS	2014800451362	105453456	CN	2/14/2016	3/30/2016
501	DEVICES AND METHODS FOR SENDING OR RECEIVING ASSISTANCE DATA	2014800455607	105474719	CN	2/16/2016	4/6/2016
502	GENERATION OF RANDOM ACCESS PREAMBLES	2014800456277	105453477	CN	2/17/2016	3/30/2016
503	TECHNIQUES FOR IDENTIFYING PHYSICAL HYBRID AUTOMATIC REQUEST INDICATOR CHANNEL RESOURCES	2014800456281	105612712	CN	2/17/2016	5/25/2016
504	TECHNIQUES AND CONFIGURATIONS ASSOCIATED WITH MACHINE TYPE COMMUNICATION IN ENHANCED COVERAGE MODE	2014800456402	105493418	CN	2/17/2016	4/13/2016
505	DELIVERY OF TARGETED MEDIA CONTENT	2014800456807	105474672	CN	2/17/2016	4/6/2016
506	CONGESTION CONTROL FOR SHORT MESSAGE SERVICE IN 3RD GENERATION PARTNERSHIP PROJECT (3GPP) SYSTEMS	2014800457068	105474688	CN	2/17/2016	4/6/2016
507	EARLY TTT TERMINATION	2014800457212	105580414	CN	2/17/2016	5/11/2016

SCHEDULE A

No.	TITLE	Filing Number	Publication Number	Jurisdiction	Filing Date	Publication Date
508	MITIGATION OF TRAFFIC CONGESTION IN DUAL CONNECTIVITY SYSTEMS	2014800462511	105493554	CN	2/19/2016	4/13/2016
509	BEARER SPLIT RATIOS FOR DUAL CONNECTIVITY SYSTEMS	2014800462545	105493555	CN	2/19/2016	4/13/2016
510	SYSTEMS METHODS AND DEVICES FOR DEVICE-TO-DEVICE DISCOVERY	2014800462916	105474595	CN	2/19/2016	4/6/2016
511	USER EQUIPMENT AND PROTOCOL AND METHODS FOR DEVICE-TO-DEVICE COMMUNICATION	2014800473018	105493616	CN	2/26/2016	4/13/2016
512	METHODS FOR APERIODIC CSI REPORT TRIGGERING FOR FLEXIBLE SUBFRAMES IN LTE TDD EIMTA SYSTEMS WITH DYNAMIC UL-DL RECONFIGURATION	2014800473624	105493552	CN	2/26/2016	4/13/2016
513	SYSTEMS METHODS AND DEVICES FOR TRAFFIC OFFLOADING	2014800473662	105493556	CN	2/26/2016	4/13/2016
514	APPLICATION CONTEXT MIGRATION FRAMEWORK AND PROTOCOL	2014800476779	105493067	CN	2/26/2016	4/13/2016
515	REDUCTION OF PACKET RETRANSMISSIONS IN DUAL CONNECTIVITY SYSTEMS	2014800476938	105519182	CN	2/26/2016	4/20/2016
516	SYSTEMS METHODS AND DEVICES WITH DIFFERENT RADIO LINK FAILURE TIMERS BASED ON USER EQUIPMENT SPEED	2014800477451	105519228	CN	2/26/2016	4/20/2016
517	TRANSMISSION CONTROL PROTOCOL (TCP) BASED VIDEO STREAMING	2014800480897	105493457	CN	2/29/2016	4/13/2016
518	EMERGENCY CALL HANDLING	2014800506100	105532025	CN	3/14/2016	4/27/2016
519	COVERAGE ENHANCEMENT AND SEMI-PERSISTENT SCHEDULING SUPPORT IN LTE-TDD SYSTEMS	2014800506488	105580287	CN	3/14/2016	5/11/2016
520	MOBILITY INFORMATION REPORTING	2014800516846	105580403	CN	3/18/2016	5/11/2016
521	APPARATUS SYSTEM AND METHOD OF INTERFACING BETWEEN A CELLULAR MANAGER AND A WLAN ACCESS DEVICE	2014800518610	105557064	CN	3/21/2016	5/4/2016
522	METRICS FOR TRAFFIC STEERING IN A WIRELESS NETWORK	2014800518644	105557015	CN	3/21/2016	5/4/2016
523	USER EQUIPMENT (UE) SUPPORTING PACKET-SWITCHED EMERGENCY CALLS OVER IP MULTIMEDIA SUBSYSTEM (IMS)	2014800518822	105637972	CN	3/21/2016	6/1/2016
524	SIGNALING EXTENDED EARFCN AND E-UTRA BANDS IN UMTS NETWORKS	2014800519115	105557051	CN	3/21/2016	5/4/2016
525	USER EQUIPMENT AND EVOLVED NODE-B AND METHODS FOR OPERATION IN A COVERAGE ENHANCEMENT MODE	2014800519685	105556994	CN	3/21/2016	5/4/2016
526	SYNCHRONIZATION OF DEVICE TO DEVICE COMMUNICATION	2014800519702	105684529	CN	3/21/2016	6/15/2016
527	GATEWAY ARRANGEMENTS FOR WIRELESS COMMUNICATION NETWORKS	2014800519721	105580328	CN	3/21/2016	5/11/2016
528	USER EQUIPMENT AND MOBILITY MANAGEMENT ENTITY AND METHODS FOR PERIODIC UPDATE IN CELLULAR NETWORKS	2014800530434	105594266	CN	3/25/2016	5/18/2016

SCHEDULE A

No.	TITLE	Filing Number	Publication Number	Jurisdiction	Filing Date	Publication Date
529	WIRELESS LOCAL AREA NETWORK (WLAN) CONNECTIVITY OPTION DISCOVERY	2014800531140	105580440	CN	3/25/2016	5/11/2016
530	RESOURCE SELECTION IN DEVICE TO DEVICE COMMUNICATION	2014800531418	105580464	CN	3/25/2016	5/11/2016
531	SYSTEMS METHODS AND DEVICES FOR EFFICIENT DEVICE-TO-DEVICE CHANNEL CONTENTION	2014800531649	105580477	CN	3/25/2016	5/11/2016
532	SIGNALING FOR INTER-CELL D2D DISCOVERY IN AN LTE NETWORK	2014800533771	105594140	CN	3/25/2016	5/18/2016
533	POWER HEADROOM REPORTING WITH DUAL CONNECTIVITY	2014800653237	105794283	CN	5/30/2016	7/20/2016
534	METHOD AND EVOLVED NODE-B FOR GEOGRAPHIC BIN DATA COLLECTION AND REPORTING	2014800653241	105993189	CN	5/30/2016	10/5/2016
535	AUTONOMOUS ENHANCED NODE B	2014800662151	105794308	CN	6/3/2016	7/20/2016
536	ACCESS POINT POSITION DETERMINATION BY MOBILE DEVICES CROWD SOURCING	2014800742936	105934685	CN	7/27/2016	9/7/2016
537	METHOD AND APPARATUS FOR WI-FI LOCATION DETERMINATION	2014800761354	106031260	CN	8/22/2016	10/12/2016
538	METHOD AND DEVICE FOR PROCESSING RESOURCE BLOCKS	2015100775279	104936299	CN		9/23/2015
539	METHOD AND DEVICE FOR INTERFERER SCHEDULING DETECTION AND NOISE AND INTERFERER PARAMETER ESTIMATION	2015100849588	104936219	CN		9/23/2015
540	QUANTIZATION CIRCUIT AND METHOD FOR QUANTIZING AN INPUT QUANTITY	2015100871045	104954010	CN		9/30/2015
541	SYSTEMS AND METHODS FOR ENHANCING PROBABILITY OF INTERNAL MEASUREMENTS IN CROWDED ENVIRONMENTS	2015101608165	105099576	CN		11/25/2015
542	AN APPARATUS A METHOD FOR OBTAINING CALIBRATION DATA AND GENERATING A LOCAL OSCILLATOR SIGNAL	2015101839244	104967449	CN		10/7/2015
543	MULTI STANDARD SYSTEMS AND METHODS WITH INTERFERER MITIGATION	2015102082814	104967462	CN		10/7/2015
544	SYSTEM AND METHOD FOR TUNING AN ANTENNA IN A WIRELESS COMMUNICATION DEVICE	2015102197502	104954027	CN	4/30/2015	9/30/2015
545	METHODS AND DEVICES FOR CHANNEL ESTIMATION AND OFDM RECEIVER	2015102207932	105282060	CN		1/27/2016
546	SYSTEM AND METHOD FOR GENERATING A DATA DEPENDENT CLOCK FOR A DAC IN A MODULATOR	2015102429355	105305967	CN		2/3/2016
547	A HIGH-ORDER SIGMA DELTA FOR A DIVIDER-LESS DIGITAL PHASE-LOCKED LOOP	2015102625115	105306046	CN		2/3/2016
548	DIGITAL-TO-TIME CONVERTER SPUR REDUCTION	2015102722242	105281790	CN		1/27/2016
549	APPARATUS AND METHOD FOR GENERATING AN OSCILLATOR SIGNAL	2015102724977	105322955	CN		2/10/2016

SCHEDULE A

No.	TITLE	Filing Number	Publication Number	Jurisdiction	Filing Date	Publication Date
550	CIRCUIT INTEGRATED CIRCUIT RECEIVER TRANSCEIVER AND A METHOD FOR AMPLIFYING AN INPUT SIGNAL	2015102887692	105391406	CN		3/9/2016
551	METHOD AND DEVICE FOR ITERATIVE DECODING A DATA TRANSFER STRUCTURE	2015103638729	105323039	CN		2/10/2016
552	RADIO COMMUNICATION DEVICES AND METHODS FOR CONTROLLING A RADIO COMMUNICATION DEVICE	2015104098319	105375944	CN		3/2/2016
553	COMMUNICATION TERMINAL AND METHOD FOR CONTROLLING A DATA TRANSMISSION	2015104346713	105392158	CN		3/9/2016
554	PHASE TRACKER FOR A PHASE LOCKED LOOP	2015105056120	105450218	CN		3/30/2016
555	TRAJECTORY MODIFICATION TECHNIQUE FOR POLAR TRANSMITTER	2015105234109	105471447	CN		4/6/2016
556	DIGITAL TO ANALOG CONVERTER CIRCUITS APPARATUS AND METHOD FOR GENERATING A HIGH FREQUENCY TRANSMISSION SIGNAL AND METHODS OF DIGITAL TO ANALOG CONVERSION	2015105266985	105471434	CN		4/6/2016
557	CONTROLLING SUBSCRIBER IDENTITY MODULE (SIM) ACTIVE STATE IN A MULTIPLE SIMs RADIO	2015105996691	105530024	CN		4/27/2016
558	METHODS AND DEVICES FOR DETERMINING INTERMODULATION DISTORTIONS	2015106449146	105591665	CN		5/18/2016
559	METHOD AND SYSTEM FOR CONTROLLING SIGNAL TRANSMISSION OF A WIRELESS COMMUNICATION DEVICE	2015106460978	105227152	CN	10/8/2015	1/6/2016
560	METHOD OF PROCESSING RECEIVED DIGITIZED SIGNALS AND MOBILE RADIO COMMUNICATION TERMINAL DEVICE	2015107421928	105704787	CN		6/22/2016
561	CELLULAR UP-LINK HARMONIC SPURS MITIGATION IN WI-FI AND BLUETOOTH RECEIVERS	2015107556446	105703784	CN		6/22/2016
562	APPARATUS AND METHODS FOR A CAPACITIVE DIGITAL-TO-ANALOG CONVERTER BASED POWER AMPLIFIER	2015107556450	105703722	CN		6/22/2016
563	RADIO COMMUNICATION DEVICE AND METHOD FOR OPERATION THEREOF	2015107559868	105704818	CN		6/22/2016
564	INJECTION LOCKED RING OSCILLATOR BASED DIGITAL-TO-TIME CONVERTER AND METHOD FOR PROVIDING A FILTERED INTERPOLATED PHASE SIGNAL	2015107652481	105703766	CN		6/22/2016
565	CALIBRATING RF PATH DELAY AND IQ PHASE IMBALANCE FOR POLAR TRANSMIT SYSTEM	2015107652585	105721386	CN		6/29/2016
566	HIGH-SPEED DIGITAL SIGNAL PROCESSING SYSTEMS	2015107962543	105720997	CN		6/29/2016
567	AN APPARATUS AND METHOD FOR GENERATING A TRANSMIT SIGNAL	2015107967551	105720998	CN		6/29/2016

SCHEDULE A

No.	TITLE	Filing Number	Publication Number	Jurisdiction	Filing Date	Publication Date
568	FREQUENCY GENERATOR METHOD AND COMPUTER PROGRAM	2015108025196	105721091	CN		6/29/2016
569	COARSE TUNING SELECTION FOR PHASE LOCKED LOOPS	2015108096327	105720971	CN		6/29/2016
570	NOISE-SHAPING CIRCUIT DIGITAL-TO-TIME CONVERTER METHOD FOR SHAPING NOISE	2015108116034	105721365	CN		6/29/2016
571	CIRCUIT AND METHOD FOR PROVIDING A RADIO FREQUENCY SIGNAL	2015108155950	105721366	CN		6/29/2016
572	SYSTEMS AND METHODS FOR MODULATION AND CODING SCHEME SELECTION AND CONFIGURATION	2015800028226	106233687	CN	5/30/2016	12/14/2016
573	SYSTEMS METHODS AND DEVICES FOR APPLICATION AWARE ACCESS CONTROL FOR COMMUNICATION ON A MOBILE NETWORK	2015800028245	105794270	CN	5/30/2016	7/20/2016
574	INTERACTIVE VIDEO CONFERENCING	2015800028349	105794204	CN	5/30/2016	7/20/2016
575	CLIENT/SERVER SIGNALING COMMANDS FOR DASH	2015800028391	105794160	CN	5/30/2016	7/20/2016
576	DISCONTINUOUS RECEPTION (DRX) ALIGNMENT TECHNIQUES FOR DUAL-CONNECTIVITY ARCHITECTURES	2015800028404	106465263	CN	5/30/2016	2/22/2017
577	SYSTEMS METHODS AND DEVICES FOR MULTIPLE SIGNAL CO-EXISTENCE IN MULTIPLE-USE FREQUENCY SPECTRUM	2015800028419	105794262	CN	5/30/2016	7/20/2016
578	APPARATUS SYSTEM AND METHOD OF PROVIDING OFFLOADABILITY INFORMATION TO A USER-EQUIPMENT (UE)	2015800028423	105794259	CN	5/30/2016	7/20/2016
579	TECHNIQUES FOR A DEVICE TRIGGER RECALL/REPLACE PROCEDURE	2015800028438	105794311	CN	5/30/2016	7/20/2016
580	APPARATUS SYSTEM AND METHOD OF ACCESS NETWORK DISCOVERY AND SELECTION FUNCTION (ANDSF) FOR TRAFFIC OFFLOADING	2015800029341	105981448	CN	6/3/2016	9/28/2016
581	SYSTEMS METHODS AND DEVICES FOR ENHANCING SPECTRAL EFFICIENCY WITH NETWORK-ASSISTED ADVANCED RECEIVERS	2015800029534	105981311	CN	6/6/2016	9/28/2016
582	SYSTEMS AND METHODS FOR MODULATION AND CODING SCHEME SELECTION AND CONFIGURATION	2015800029549	105794167	CN	6/6/2016	7/20/2016
583	ENABLING D2D FUNCTIONALITY FOR PUBLIC SAFETY APPLICATIONS	2015800031981	105850187	CN	6/17/2016	8/10/2016
584	SYSTEMS METHODS AND DEVICES FOR APPLICATION SPECIFIC ROUTING IN DUAL CONNECTIVITY	2015800032397	106063330	CN	6/20/2016	10/26/2016
585	APPARATUS SYSTEM AND METHOD OF SECURING COMMUNICATIONS OF A USER EQUIPMENT (UE) IN A WIRELESS LOCAL AREA NETWORK	2015800032842	105850169	CN	6/20/2016	8/10/2016
586	SYSTEMS METHODS AND DEVICES FOR SELECTIVE INTERFERENCE COORDINATION IN A CELLULAR	2015800032857	105850179	CN	6/20/2016	8/10/2016

SCHEDULE A

No.	TITLE	Filing Number	Publication Number	Jurisdiction	Filing Date	Publication Date
	PROTOCOL					
587	SYSTEMS METHODS AND DEVICES FOR CHANNEL RESERVATION	2015800032876	105850180	CN	6/20/2016	8/10/2016
588	APPARATUS SYSTEM AND METHOD OF CONTROLLING RADIO ACCESS TECHNOLOGY (RAT) COMMUNICATION MANAGERS	2015800033563	105874877	CN	6/23/2016	8/17/2016
589	MEASUREMENT GAP PATTERNS	2015800049966	106416350	CN	7/18/2016	2/15/2017
590	USER EQUIPMENT COMPUTER READABLE MEDIUM AND METHOD TO DETERMINE THE MOBILITY OF USER EQUIPMENT IN A LONG- TERM EVOLUTION NETWORK	2015800049970	106416351	CN	7/18/2016	2/15/2017
591	USER EQUIPMENT AND EVOLVED NODE-B AND METHODS FOR RANDOM ACCESS FOR MACHINE TYPE COMMUNICATION	2015800054894	106416115	CN	7/22/2016	2/15/2017
592	SCHEDULING FOR AN UNLICENSED CARRIER TYPE	2015800055878	106416094	CN	7/22/2016	2/15/2017
593	APPARATUS SYSTEM AND METHOD OF IDENTIFYING A WIRELESS DOCKING STATION	2015800069160	105960827	CN	8/2/2016	9/21/2016
594	SYSTEMS METHODS AND DEVICES FOR OPPORTUNISTIC NETWORKING	2015800076037	105981466	CN	8/5/2016	9/28/2016
595	METHOD AND APPARATUS TO ASSIST NETWORK TRAFFIC	2015800077472	106256147	CN	8/8/2016	12/21/2016
596	METHOD APPARATUS AND COMPUTER READABLE MEDIUM FOR SWITCHING BETWEEN LOWER ENERGY AND HIGHER ENERGY WIRELESS COMMUNICATION TECHNIQUES	2015800080672	105993160	CN	8/10/2016	10/5/2016
597	CONVEYANCE OF APPLICATION COMMUNICATION PATTERNS FROM AN EXTERNAL APPLICATION SERVER TO A 3RD GENERATION PARTNERSHIP PROJECT SYSTEM	2015800083280	105981471	CN	8/11/2016	9/28/2016
598	METHODS SYSTEMS AND DEVICES FOR MODULATION AND CODING SCHEME SIGNALING FOR COMMON CONTROL CHANNEL	2015800086147	106031067	CN	8/12/2016	10/12/2016
599	APPARATUS SYSTEMS AND METHODS FOR DIFFERENTIATION OF PAYLOAD SIZE FOR D2D DISCOVERY	2015800091126	106063325	CN	8/17/2016	10/26/2016
600	SYSTEMS METHODS AND DEVICES FOR DISTRIBUTED SETUP FOR A DEVICE- TO-DEVICE SESSION	2015800108466	106063365	CN	8/26/2016	10/26/2016
601	USER EQUIPMENT AND METHODS FOR HANDOVER INITIATION	2015800145164	106105317	CN	9/18/2016	11/9/2016
602	LISTEN BEFORE TALK PROTOCOL SELECTION	2015800154017	106134279	CN	9/21/2016	11/16/2016
603	APPARATUS METHOD AND SYSTEM OF ESTABLISHING A CONNECTION BETWEEN A CELLULAR NODE AND A CORE NETWORK	2015800154869	106105383	CN	9/21/2016	11/9/2016

SCHEDULE A

No.	TITLE	Filing Number	Publication Number	Jurisdiction	Filing Date	Publication Date
604	DYNAMIC DECLARATION OF CONFORMITY AND CERTIFICATION FOR RADIO APPLICATION DISTRIBUTION	2015800171328	106134283	CN	9/28/2016	11/16/2016
605	CHANNEL RESERVATION FOR OPERATION IN AN UNLICENSED SPECTRUM	2015800171347	106134249	CN	9/28/2016	11/16/2016
606	LOAD BALANCING IN A WIRELESS CELLULAR NETWORK BASED ON USER EQUIPMENT MOBILITY	2015800173342	106165491	CN	9/28/2016	11/23/2016
607	MOBILITY MANAGEMENT ENTITY USER EQUIPMENT AND METHODS FOR MACHINE TYPE COMMUNICATION	2015800186111	106165479	CN	10/8/2016	11/23/2016
608	SYSTEMS METHODS AND DEVICES FOR CELL SELECTION BASED ON PRIORITIZED NODES	2015800186484	106465258	CN	10/8/2016	2/22/2017
609	SYSTEMS METHODS AND DEVICES FOR FLEXIBLE RETRANSMISSIONS	2015800186499	106165482	CN	10/8/2016	11/23/2016
610	TENTATIVE GRANT FOR EFFICIENT DEVICE TO DEVICE COMMUNICATIONS	2015800186925	106465412	CN	10/8/2016	2/22/2017
611	USER EQUIPMENT AND METHODS TO INDICATE POWER SAVING MODE CONFIGURATION TO RAN NODES	2015800186944	106465265	CN	10/8/2016	2/22/2017
612	APPARATUS SYSTEM AND METHOD OF COMMUNICATING WIRELESS LOCAL AREA NETWORK (WLAN) OFFLOADING INFORMATION BETWEEN CELLULAR MANAGERS	2015800186959	106465185	CN	10/8/2016	2/22/2017
613	EVOLVED NODE-B USER EQUIPMENT AND METHODS FOR HYBRID AUTOMATIC REPEAT REQUEST (HARQ) COMMUNICATION	2015800222508	106797284	CN	11/2/2016	5/31/2017
614	DEVICES AND METHOD FOR RETRIEVING AND UTILIZING NEIGHBORING WLAN INFORMATION FOR LTE LAA OPERATION	2015800224433	106256146	CN	10/26/2016	12/21/2016
615	LTE-U COMMUNICATION DEVICES AND METHODS FOR APERIODIC BEACON AND REFERENCE SIGNAL TRANSMISSION	2015800262789	106464351	CN	11/16/2016	2/22/2017
616	COMMUNICATION SYSTEMS AND METHODS	2015800268408	106465472	CN	11/23/2016	2/22/2017
617	METHODS APPARATUS OF ENB AND UE FOR MTC WITH NARROWBAND DEPLOYMENT	2015800270022	106664136	CN	11/21/2016	5/10/2017
618	METHOD AND APPARATUS OF UE AND ENB FOR MTC WITH NARROWBAND DEPLOYMENT	2015800270215	106664175	CN	11/21/2016	5/10/2017
619	TECHNIQUES FOR SECURELY RECEIVING CRITICAL COMMUNICATION CONTENT ASSOCIATED WITH A CRITICAL COMMUNICATION SERVICE	2015800274019	106471834	CN	11/23/2016	3/1/2017
620	PREVENTING A MOBILE DEVICE FROM REPEATING A REQUEST TOWARD A MOBILE NETWORK	2015800288609	106465234	CN	11/30/2016	2/22/2017

SCHEDULE A

No.	TITLE	Filing Number	Publication Number	Jurisdiction	Filing Date	Publication Date
621	APPARATUSES SYSTEMS AND METHOD FOR PAGING ENHANCEMENTS FOR LOW COMPLEXITY USER EQUIPMENT	2015800295513	106416312	CN	12/2/2016	2/15/2017
622	SYSTEMS APPARATUSES AND METHODS FOR LIGHTWEIGHT OVER-THE-AIR SIGNALING MECHANISMS IN DATA COMMUNICATIONS	2015800322934	106717105	CN	12/15/2016	5/24/2017
623	SYSTEM AND METHOD FOR TDD COMMUNICATIONS	2015800335559	106471755	CN	12/21/2016	3/1/2017
624	SYSTEMS AND METHODS FOR VARIED CELL BARRING TIMES	2015800352906	106664639	CN	12/28/2016	5/10/2017
625	PDCCH DESIGN FOR NARROWBAND DEPLOYMENT	2015800364706	106489246	CN	1/3/2017	3/8/2017
626	CONTROL OF TRAFFIC FROM APPLICATIONS WHEN THIRD PARTY SERVERS ENCOUNTER PROBLEMS	2015800371273	106537845	CN	1/6/2017	3/22/2017
627	VIRTUALIZED NETWORK FUNCTION MANAGEMENT	2015800371663	106537842	CN	1/6/2017	3/22/2017
628	METHODS AND APPARATUS OF EVOLVED NODE B AND USER EQUIPMENT FOR CAPABILITY INFORMATION SETTING	2015800386508	106664549	CN	1/16/2017	5/10/2017
629	MODIFIED ARCHITECTURE FOR CLOUD RADIO ACCESS NETWORKS AND APPROACH FOR COMPRESSION OF FRONT-HAUL DATA	2015800426257	106576393	CN	2/8/2017	4/19/2017
630	APPARATUS SYSTEM AND METHOD OF RELAY BACKHAULING WITH MILLIMETER WAVE CARRIER AGGREGATION	2015800428587	106575991	CN	2/9/2017	4/19/2017
631	APPARATUSES SYSTEMS AND METHODS FOR PROBABILISTIC TRANSMISSION OF DEVICE-TO-DEVICE (D2D) DISCOVERY MESSAGES	2015800440165	107079495	CN	2/16/2017	8/18/2017
632	TRANSMISSION OF COMMON CONTROL MESSAGES FOR MACHINE-TYPE COMMUNICATION (MTC) USER EQUIPMENTS WITH REDUCED BANDWIDTH	2015800440305	106575996	CN	2/16/2017	4/19/2017
633	INCREASED CARRIER MONITORING	2015800444310	107005875	CN	2/17/2017	8/1/2017
634	NETWORK FUNCTIONS VIRTUALIZATION	2015800451831	106797323	CN	2/22/2017	5/31/2017
635	APPARATUS SYSTEM AND METHOD OF WIRELESS LOCAL AREA NETWORK (WLAN) SETTING OF A USER EQUIPMENT (UE)	2015800453555	106717067	CN	2/23/2017	5/24/2017
636	SYSTEM AND METHOD OF HANDLING UPLINK TRANSMISSION COLLISION FOR ENHANCED COVERAGE MODE UES	2015800454401	106664520	CN	2/23/2017	5/10/2017
637	SYSTEMS AND METHODS FOR MANAGING CIRCUIT SWITCHED FALLBACK CALLS	2015800459405	106605429	CN	2/24/2017	4/26/2017
638	MOBILE COMMUNICATION IN MACRO-CELL ASSISTED SMALL CELL NETWORKS	2015800470264	107005932	CN	3/1/2017	8/1/2017

SCHEDULE A

No.	TITLE	Filing Number	Publication Number	Jurisdiction	Filing Date	Publication Date
639	METHODS AND APPARATUSES OF WLAN ALARM NOTIFICATION IN CELLULAR NETWORKS	2015800474250	106716924	CN	3/3/2017	5/24/2017
640	METHODS AND APPARATUSES TO FORM SELF-ORGANIZED MULTI-HOP MILLIMETER WAVE BACKHAUL LINKS	2015800494875	106797609	CN	3/14/2017	5/31/2017
641	CARRIAGE OF MEDIA CONTENT QUALITY INFORMATION	2015800496724	107079177	CN	3/15/2017	8/18/2017
642	CONNECTION CONTROL FOR MACHINE TYPE COMMUNICATION (MTC) DEVICES	2015800518583	107006058	CN	3/24/2017	8/1/2017
643	APPARATUS SYSTEM AND METHOD OF COMMUNICATING BETWEEN A CELLULAR MANAGER AND A USER EQUIPMENT (UE) VIA A WLAN ACCESS DEVICE	2015800558114	107079511	CN	4/14/2017	8/18/2017
644	EARLY TERMINATION OF REPEATED TRANSMISSIONS FOR MTC	2015800562459	107078863	CN	4/17/2017	8/18/2017
645	AN APPARATUS AND METHOD FOR NETWORK ASSISTED DOMAIN SELECTION	2015800562571	107079047	CN	4/17/2017	8/18/2017
646	LISTEN BEFORE TALK (LBT) DESIGN FOR UPLINK LICENSED ASSISTED ACCESS (LAA) OPERATION IN UNLICENSED BAND	2015800563593	107079498	CN	4/17/2017	8/18/2017
647	RAN PAGING MECHANISM TO ENABLE ENHANCED COVERAGE MODE	2015800565974	107258105	CN	4/18/2017	10/17/2017
648	SYSTEMS AND METHODS FOR SIGNALING IN AN INCREASED CARRIER MONITORING WIRELESS COMMUNICATION ENVIRONMENT	2015800567630	107210872	CN	4/19/2017	9/26/2017
649	USER EQUIPMENT AND METHODS FOR CSI MEASUREMENTS WITH REDUCED BANDWIDTH SUPPORT	2015800569443	107005297	CN	4/20/2017	8/1/2017
650	INTERACTIVE VIDEO CONFERENCING	2015800589610	107113397	CN	4/28/2017	8/29/2017
651	SUBSCRIBER IDENTITY MODULE PROVIDER APPARATUS FOR OVER-THE-AIR PROVISIONING OF SUBSCRIBER IDENTITY MODULE CONTAINERS AND METHODS	2015800611968	107113609	CN	5/10/2017	8/29/2017
652	TRAFFIC ENGINEERING IN HETEROGENEOUS MILLIMETER-WAVE AND LTE SMALL CELL SYSTEMS	2015800623522	107113044	CN	5/17/2017	8/29/2017
653	REFERENCE SIGNAL PRESENCE DETECTION BASED LICENSE ASSISTED ACCESS AND REFERENCE SIGNAL SEQUENCE DESIGN	2015800624046	107258099	CN	5/16/2017	10/17/2017
654	JOINT PROCESSING OF TRANSPORT BLOCKS ON MULTIPLE COMPONENT CARRIERS FOR CA (CARRIER AGGREGATION) AND LAA (LICENSE ASSISTED ACCESS)	2015800636236	107005383	CN	5/23/2017	8/1/2017
655	TECHNIQUES FOR MONITORING VIRTUALIZED NETWORK FUNCTIONS OR NETWORK FUNCTIONS VIRTUALIZATION INFRASTRUCTURE	2015800664518	107005436	CN	6/6/2017	8/1/2017

SCHEDULE A

No.	TITLE	Filing Number	Publication Number	Jurisdiction	Filing Date	Publication Date
656	SYSTEMS METHODS AND DEVICES FOR DIRECT COMMUNICATION USING A PC5 PROTOCOL	2015800677626	107113898	CN	6/12/2017	8/29/2017
657	SYSTEMS METHODS AND DEVICES FOR DIRECT DEVICE TO DEVICE COMMUNICATION USING ENCAPSULATION	2015800678101	107005841	CN	6/12/2017	8/1/2017
658	SYSTEMS METHODS AND DEVICES FOR LICENSED SHARED ACCESS MANAGEMENT WITH DISTRIBUTED INFORMATION STORAGE	2015800679640	107005856	CN	6/13/2017	8/1/2017
659	APPARATUS AND METHOD OF PROVIDING A FLEXIBLE GUARD INTERVAL FOR BLOCK SINGLE CARRIER TRANSMISSION	2015800683792	107113155	CN	6/15/2017	8/29/2017
660	COMMUNICATION OF CONGESTION CONTROL INFORMATION	2015800686273	107113650	CN	6/15/2017	8/29/2017
661	PUBLIC SAFETY DISCOVERY AND COMMUNICATION USING A UE-TO-UE RELAY	2015800692185	107113593	CN	6/15/2017	8/29/2017
662	DEVICE AND METHOD TO IMPROVE HORIZONTAL AND VERTICAL POSITIONING ACCURACY	2015800694852	107113569	CN	6/19/2017	8/29/2017
663	OTDOA (OBSERVED TIME DIFFERENCE OF ARRIVAL) POSITIONING ENHANCEMENT BY USING HETEROGENEOUS REFERENCE SIGNALS	2015800695535	107113771	CN	6/19/2017	8/29/2017
664	APPARATUS SYSTEM AND METHOD OF PROCESSING PDCP PDUs OF AN E-RAB	2015800696947	107113607	CN	6/20/2017	8/29/2017
665	APPLICATION SPECIFIC CONGESTION CONTROL FOR DATA COMMUNICATIONS	2015800703457	107113249	CN	6/22/2017	8/29/2017
666	ADAPTIVE PAGING TECHNIQUES FOR EXTENDED COVERAGE CAPABLE DEVICES	2015800704943	107113630	CN	6/22/2017	8/29/2017
667	LAA (LICENSE ASSISTED ACCESS) BURST CONTROL INFORMATION	2015800712973	107113884	CN	6/27/2017	8/29/2017
668	POWER HEADROOM REPORTING WITH CHANNEL SELECTION	2015800716955	107113748	CN	6/29/2017	8/29/2017
669	UPLINK SCHEDULING FOR LICENSE ASSISTED ACCESS	2015800717500	107211441	CN	6/29/2017	9/26/2017
670	SYSTEMS METHODS AND DEVICES FOR RADIO ACCESS TECHNOLOGY COORDINATION	2015800746611	107211443	CN	7/26/2017	9/26/2017
671	POSITIONING WITH WLAN TIME OF FLIGHT	2015800751713	107211388	CN	8/1/2017	9/26/2017
672	DEVICE SYSTEM AND METHOD EMPLOYING UNIFIED FLEXIBLE 5G AIR INTERFACE	2015800755644	107210810	CN	8/4/2017	9/26/2017
673	SYSTEMS METHODS AND DEVICES FOR UPLINK TRANSMISSIONS WITH REDUCED SIGNALING OVERHEAD	2015800766653	107251641	CN	8/21/2017	10/13/2017
674	DEVICE SYSTEM AND METHOD OF QUASI-ORTHOGONAL MULTIPLE ACCESS	2015800770254	107258067	CN	8/25/2017	10/17/2017

SCHEDULE A

No.	TITLE	Filing Number	Publication Number	Jurisdiction	Filing Date	Publication Date
675	POSITIONING REFERENCE SYSTEM (PRS) DESIGN ENHANCEMENT	2015800773214	107431678	CN	9/1/2017	12/1/2017
676	CELL SPECIFIC GROUP MEASUREMENT GAP FOR CARRIER AGGREGATION	2015800773958	107431957	CN	9/4/2017	12/1/2017
677	USER EQUIPMENT RADIO-FREQUENCY AND BAND CAPABILITY FOR CARRIER AGGREGATION MEASUREMENT GAP	2015800774842	107409027	CN	9/6/2017	11/28/2017
678	USER EQUIPMENT CONTROLLED MOBILITY IN AN EVOLVED RADIO ACCESS NETWORK	2015800775794	107980238	CN	9/8/2017	5/1/2018
679	USER EQUIPMENT AND METHODS FOR PHYSICAL UPLINK CONTROL CHANNEL (PUCCH) RESOURCE ALLOCATION AND COMMUNICATION	2015800778434	107431586	CN	9/14/2017	12/1/2017
680	TRANSMISSION DESIGNS FOR RADIO ACCESS TECHNOLOGIES	2015800781634	107852319	CN	9/22/2017	3/27/2018
681	PAGING ENHANCEMENT FOR EXTENDED DRX IN CELLULAR SYSTEMS	2015800789049	107534937	CN	10/16/2017	1/2/2018
682	CONTENTION FREE PHYSICAL UPLINK SHARED CONTROL CHANNEL (PUSCH) TRANSMISSION USING LISTEN BEFORE TALK	2015800789585	107534948	CN	10/17/2017	1/2/2018
683	ATTENTION (AT) COMMANDS FOR PACKET DATA NETWORK CONNECTION OFFLOAD	2015800790879	108307688	CN	10/20/2017	7/20/2018
684	PDCP STATUS REPORTING FOR MULTI-RAT OFFLOADING	2015800791246	109478945	CN	11/16/2017	3/15/2019
685	NON-CONTENTION BASED LOW LATENCY SCHEDULING REQUEST TRANSMISSION	2015800791373	107534891	CN	10/23/2017	1/2/2018
686	LATENCY REDUCTION TECHNIQUES FOR RADIO ACCESS NETWORKS	2015800795514	107534989	CN	11/1/2017	1/2/2018
687	DEVICE AND METHOD OF CONFIGURABLE SYNCHRONIZATION SIGNAL AND CHANNEL DESIGN	2015800796165	107567698	CN	10/31/2017	1/9/2018
688	LOW OVERHEAD SYSTEM INFORMATION ACQUISITION FOR WIRELESS COMMUNICATION	2015800799549	107624255	CN	11/13/2017	1/23/2018
689	UE-TO-NETWORK RELAY INITIATION AND CONFIGURATION	2015800799784	107637162	CN	11/13/2017	1/26/2018
690	ADAPTIVE VIDEO STREAMING USING DYNAMIC RADIO ACCESS NETWORK INFORMATION	2015800800584	107637045	CN	11/16/2017	1/26/2018
691	ACK/NACK SIGNALS FOR NEXT GENERATION LTE DEVICES AND SYSTEMS	2015800801784	107637000	CN	11/20/2017	1/26/2018
692	DYNAMIC PARTITION RESOURCE ALLOCATION IN 5G NETWORKS	2015800803845	107771409	CN	11/24/2017	3/6/2018
693	A MOBILE COMMUNICATIONS DEVICE AND A METHOD FOR CONTROLLING A MOBILE COMMUNICATIONS DEVICE RECEIVER	2015800804212	107667561	CN	11/27/2017	2/6/2018
694	REFERENCE SIGNAL POWER MEASUREMENT FILTERING	2015800804246	107615675	CN	11/27/2017	1/19/2018

SCHEDULE A

No.	TITLE	Filing Number	Publication Number	Jurisdiction	Filing Date	Publication Date
695	DISTRIBUTED LINK SCHEDULING TECHNIQUE FOR DEVICE TO DEVICE COMMUNICATION	2015800805662	107667563	CN	11/30/2017	2/6/2018
696	USER EQUIPMENT (UE) AND METHODS FOR COMMUNICATION USING DIRECTIONAL TRANSMISSION AND RECEPTION	2015800815363	107852291	CN	1/8/2018	3/27/2018
697	SECURE DIRECT DISCOVERY AMONG USER EQUIPMENT	2015800816277	107852418	CN	1/29/2018	3/27/2018
698	RECEIVED SIGNAL STRENGTH INDICATOR MEASUREMENT FOR LICENSED ASSISTED ACCESS	2015800816296	107873138	CN	1/11/2018	4/3/2018
699	CODEBOOK DESIGN FOR BEAMFORMED CSI-RS FOR FD-MIMO	2015800816370	107836088	CN	1/11/2018	3/23/2018
700	ENERGY DETECTION THRESHOLD ADAPTATION FOR LICENSED ASSISTED ACCESS OF LTE IN UNLICENSED BAND	2015800816559	107852747	CN	1/31/2018	3/27/2018
701	CONFIGURATION OF NON-UE-SPECIFIC SEARCH SPACE FOR M-PDCCH	2015800816633	107852292	CN	1/31/2018	3/27/2018
702	USER EQUIPMENT CAPABILITY REPORTING	2015800816845	107925870	CN	1/15/2018	4/17/2018
703	ENHANCED SOUNDING REFERENCE SIGNALING FOR UPLINK BEAM TRACKING	2015800817123	107852199	CN	1/15/2018	3/27/2018
704	LAYER 2 RELAY PROTOCOLS AND MOBILITY RELAY METHOD	2015800818111	108029148	CN	1/19/2018	5/11/2018
705	TRANSMIT BEAMFORMING	2015800818357	107852705	CN	1/19/2018	3/27/2018
706	APPARATUS SYSTEM AND METHOD OF COMMUNICATING BETWEEN A CELLULAR MANAGER AND A USER EQUIPMENT (UE) VIA A WLAN NODE	2015800818889	107925875	CN	1/24/2018	4/17/2018
707	BEAMFORMED PHYSICAL DOWNLINK CONTROL CHANNELS (BPDCCHS) FOR NARROW BEAM BASED WIRELESS COMMUNICATION	2015800819580	107852264	CN	2/12/2018	3/27/2018
708	VIRTUAL MOBILE MANAGEMENT ENTITY MANAGEMENT	2015800819650	107925864	CN	1/26/2018	4/17/2018
709	INTER-BEAM MOBILITY CONTROL IN MIMO COMMUNICATION SYSTEMS	2015800819928	107852212	CN	1/26/2018	3/27/2018
710	USER EQUIPMENT (UE) AND METHODS FOR DYNAMIC MILLIMETER WAVE PENCIL CELL COMMUNICATION	2015800820249	107852624	CN	2/13/2018	3/27/2018
711	NETWORK DISCOVERY AND BEAM ACQUISITION FOR BEAM CELLOPERATION	2015800821400	107852213	CN	1/31/2018	3/27/2018
712	REFERENCE SIGNALS FOR INITIAL ACQUISITION IN 5G SYSTEMS	2015800822916	107852255	CN	2/7/2018	3/27/2018
713	TRANSMISSION OF UPLINK CONTROL INFORMATION IN WIRELESS SYSTEMS	2015800823529	107925523	CN	2/9/2018	4/17/2018
714	TRANSMISSION OF UPLINK CONTROL INFORMATION IN WIRELESS SYSTEMS	2015800825702	107925532	CN	2/22/2018	4/17/2018
715	AN APPARATUS AND A METHOD FOR GENERATING A RADIO FREQUENCY SIGNAL	2015800826476	107925648	CN	3/13/2018	4/17/2018
716	DYNAMICALLY BEAMFORMED CONTROL CHANNEL FOR	2015800828062	107925535	CN	3/1/2018	4/17/2018

SCHEDULE A

No.	TITLE	Filing Number	Publication Number	Jurisdiction	Filing Date	Publication Date
	BEAMFORMED CELLS					
717	MULTIBAND DATA DELIVERY DEVICE AND METHOD	2015800847947	108293241	CN	6/13/2018	7/17/2018
718	COMMUNICATION DEVICE AND METHOD FOR PERFORMING RADIO COMMUNICATION	2015800853702	108370358	CN	6/29/2018	8/3/2018
719	HIGH LINEARITY PUSH-PULL COMMON-GATE AMPLIFIER	2016100322076	105915183	CN		8/31/2016
720	METHOD AND DEVICE FOR CANCELING A BIAS OF A RADIO CHANNEL SEQUENCE	2016100445199	105915474	CN		8/31/2016
721	HYSTERETIC CURRENT CONTROL WITH EVENT DITHERING	2016100752676	105978331	CN		9/28/2016
722	METHOD FOR PERFORMING MOBILE COMMUNICATIONS AND MOBILE TERMINAL DEVICE	2016100828247	105979575	CN		9/28/2016
723	METHOD AND DEVICE FOR PROTECTING A DATA TRANSPORT BLOCK AGAINST MEMORY ERRORS AND TRANSMISSION ERRORS	2016100867186	105991252	CN		10/5/2016
724	TERMINAL DEVICE AND MOBILE RADIO COMMUNICATION BY TERMINAL DEVICE	2016100914401	105992371	CN		10/5/2016
725	ADJUSTING POWER AMPLIFIER STIMULI BASED ON OUTPUT SIGNALS	2016100952329	105991096	CN		10/5/2016
726	A RECEIVER AND A METHOD FOR REDUCING A DISTORTION COMPONENT RELATED TO A BASEBAND TRANSMIT SIGNAL IN A BASEBAND RECEIVE SIGNAL	2016100967023	106027083	CN		10/12/2016
727	AN APPARATUS AND A METHOD FOR PROCESSING A SIGNAL DEPENDING ON A RECEIVED RADIO FREQUENCY SIGNAL	2016101019697	106027073	CN		10/12/2016
728	PHASED ARRAY WEIGHTING FOR POWER EFFICIENCY IMPROVEMENT WITH HIGH PEAK-TO-AVERAGE POWER RATIO SIGNALS	2016101041718	106027132	CN		10/12/2016
729	ANTENNA SYSTEM	2016101084709	106025513	CN		10/12/2016
730	METHOD FOR PERFORMING MOBILE COMMUNICATIONS AND MOBILE RADIO COMMUNICATION TERMINAL DEVICE	2016101090752	106028412	CN		10/12/2016
731	AVOIDING INTERFERENCE BETWEEN TWO DTCS DUE TO VCC RIPPLES BY INDEPENDENT DITHERING	2016101091717	106027074	CN		10/12/2016
732	OPTIMIZING APPLICATIONS BEHAVIOR IN A DEVICE FOR POWER AND PERFORMANCE	2016101097889	106028399	CN		10/12/2016
733	A DIGITAL-TO-ANALOG CONVERTER CIRCUIT AN APPARATUS FOR PROVIDING A RADIO FREQUENCY TRANSMIT SIGNAL AND A METHOD OF DIGITAL-TO-ANALOG CONVERSION	2016101100523	106027056	CN		10/12/2016

SCHEDULE A

No.	TITLE	Filing Number	Publication Number	Jurisdiction	Filing Date	Publication Date
734	CIRCUIT INTEGRATED CIRCUIT RECEIVER TRANSCEIVER AND METHOD FOR RECEIVING A SIGNAL	2016101479046	106068031	CN		11/2/2016
735	COMMUNICATION TERMINAL AND METHOD FOR ESTABLISHING A CSFB CALL	2016101974522	106131894	CN		11/16/2016
736	COMMUNICATION DEVICE AND METHOD FOR PERFORMING RADIO COMMUNICATION	2016102532098	105846881	CN	4/22/2016	8/10/2016
737	MOBILE TERMINAL DEVICES AND METHODS OF PERFORMING RADIO MEASUREMENTS	2016103405691	106304124	CN		1/4/2017
738	ARCHITECTURE AND CONTROL OF ANALOG SELF-INTERFERENCE CANCELLATION	2016103558235	106301460	CN		1/4/2017
739	METHOD FOR PROCESSING RADIO SIGNALS AND MOBILE TERMINAL DEVICE	2016103571564	106304177	CN		1/4/2017
740	SIGNALING FOR PROXIMITY SERVICES AND D2D DISCOVERY IN AN LTE NETWORK	2016105813483	106060769	CN	7/21/2016	10/26/2016
741	EXTENDED PAGING DISCONTINUOUS RECEPTION (DRX) CYCLES IN WIRELESS COMMUNICATION NETWORKS	2016105963917	106060912	CN	7/26/2016	10/26/2016
742	MOBILE TERMINAL DEVICES MOBILE PROCESSING CIRCUITS AND METHODS OF PROCESSING SIGNALS	2016107272294	106559207	CN		4/5/2017
743	COMMUNICATION DEVICE AND METHOD FOR PERFORMING RADIO COMMUNICATION	2016107300523	106559899	CN		4/5/2017
744	USER EQUIPMENT AND METHOD FOR PACKET BASED DEVICE-TO-DEVICE DISCOVERY	2016107512052	106162533	CN	8/29/2016	11/23/2016
745	PREAMBLE-BASED TRANSMISSION POWER DETECTION	2016107719077	106559147	CN		4/5/2017
746	METHODS FOR APERIODIC CSI REPORT TRIGGERING FOR FLEXIBLE SUBFRAMES IN LTE TDD EIMTA SYSTEMS	2016108560617	106899382	CN	9/27/2016	6/27/2017
747	BYPASS RING TO IMPROVE NOISE ISOLATION OF COILS AND INDUCTORS	2016109581930	106972011	CN		7/21/2017
748	AGGREGATED WIRELESS DRIVER AND METHOD	2016110056290	106686753	CN		5/17/2017
749	WIRELESS FIDELITY CLEAR CHANNEL ASSESMENT DETECTION AND TRANSMISSION DECISION MAKING IN A PORTABLE DEVICE	2016110635645	107026698	CN		8/8/2017
750	RADIO RESOURCE MANAGEMENT (RRM) REPORTING FOR LICENSED ASSISTED ACCESS (LAA)	2016800047217	107135673	CN	6/29/2017	9/5/2017
751	SYSTEMS AND METHODS FOR AGGREGATING AN ENHANCED MULTIMEDIA BROADCAST MULTICAST SERVICE OVER MULTIPLE FREQUENCY CARRIERS	2016800075221	107210897	CN	7/27/2017	9/26/2017

SCHEDULE A

No.	TITLE	Filing Number	Publication Number	Jurisdiction	Filing Date	Publication Date
752	OPPORTUNISTIC ACCESS OF MILLIMETERWAVE RADIO ACCESS TECHNOLOGY BASED ON EDGE CLOUD MOBILE PROXY	2016800079788	107211321	CN	7/28/2017	9/26/2017
753	MME OVERLOAD OR UNDERLOAD MITIGATION BY MME VNF APPARATUS AND METHOD	2016800091633	107211320	CN	8/7/2017	9/26/2017
754	SYSTEMS METHODS AND DEVICES FOR DEVICE-TO-DEVICE RELAY COMMUNICATION	2016800096887	107211264	CN	8/10/2017	9/26/2017
755	SYSTEMS METHODS AND DEVICES FOR SECURE DEVICE-TO-DEVICE DISCOVERY AND COMMUNICATION	2016800100219	107251591	CN	8/11/2017	10/13/2017
756	RANDOM ACCESS PROCEDURE FOR ENHANCED COVERAGE SUPPORT	2016800136352	107431986	CN	9/4/2017	12/1/2017
757	METHODS APPARATUSES AND SYSTEMS FOR ENHANCEMENT OF EVOLVED PHYSICAL DOWNLINK CONTROL CHANNEL FOR MACHINE TYPE COMMUNICATIONS	2016800145559	107432021	CN	9/7/2017	12/1/2017
758	SIGNALLING FOR PER CARRIER-COMPONENT BASED ENHANCED MEASUREMENT GAP CONFIGURATION	2016800147253	107637120	CN	9/8/2017	1/26/2018
759	DEVICE SYSTEM AND METHOD OF CELL SPECIFIC PROBABILITY LOAD BALANCING	2016800147520	107409351	CN	9/8/2017	11/28/2017
760	METHODS AND DEVICES FOR CHANNEL ESTIMATION FOR MOBILE SYSTEMS OF INSUFFICIENT CYCLIC PREFIX LENGTH	2016800218028	107580770	CN	10/13/2017	1/12/2018
761	MEASUREMENT METHOD IN CARRIER AGGREGATION AND ASYNCHRONOUS DUAL CONNECTIVITY	2016800262340	107960148	CN	11/6/2017	4/24/2018
762	EVOLVED NODE-B SHARED SPECTRUM CONTROLLER AND METHOD FOR COMMUNICATION IN SHARED SPECTRUM	2016800263841	107852648	CN	11/6/2017	3/27/2018
763	SIGNAL PROCESSING APPARATUS AND METHOD FOR PROCESSING A SIGNAL	2016800290586	107624223	CN	11/20/2017	1/23/2018
764	A METHOD FOR FEEDBACK REPORTING AND A MOBILE COMMUNICATIONS DEVICE	2016800290745	107615688	CN	11/20/2017	1/19/2018
765	COMMUNICATION TERMINAL AND METHOD FOR HANDLING UPLOAD TRAFFIC CONGESTION	2016800290783	107637122	CN	11/20/2017	1/26/2018
766	METHODS AND DEVICES FOR PROVIDING A ROBUST DATA COMMUNICATION BETWEEN A CLIENT AND A SERVER	2016800293476	107646177	CN	12/14/2017	1/30/2018
767	COMMUNICATION DEVICE AND METHOD FOR STORING DATA	2016800298893	107646179	CN	11/23/2017	1/30/2018
768	METHOD AND DEVICE FOR DETERMINING CHANNEL STATE INFORMATION	2016800299716	107660327	CN	11/23/2017	2/2/2018
769	ENCODING CIRCUIT METHOD FOR TRANSMITTING DATA OVER A DATA BUS AND RADIO COMMUNICATION DEVICE	2016800300234	107667507	CN	11/23/2017	2/6/2018

SCHEDULE A

No.	TITLE	Filing Number	Publication Number	Jurisdiction	Filing Date	Publication Date
770	METHOD FOR MITIGATING INTERFERENCE AND INTERFERENCE MITIGATING RECEIVER	2016800300959	107667478	CN	11/24/2017	2/6/2018
771	MULTI-TRANSMISSION CAPABLE DATA TRANSMISSION SYSTEM AND METHOD OF OPERATING THE SAME	2016800301129	107646203	CN	11/24/2017	1/30/2018
772	APPARATUSES AND METHODS FOR SHIFTING A DIGITAL SIGNAL BY A SHIFT TIME TO PROVIDE A SHIFTED SIGNAL	2016800301504	107667471	CN	11/24/2017	2/6/2018
773	A RECEIVER AND A METHOD FOR REDUCING A DISTORTION COMPONENT WITHIN A BASEBAND RECEIVE SIGNAL	2016800302278	107667477	CN	11/24/2017	2/6/2018
774	INTERFERENCE CANCELLATION	2016800303707	107615668	CN	11/24/2017	1/19/2018
775	A CIRCUIT AND A METHOD FOR GENERATING A RADIO FREQUENCY SIGNAL	2016800303764	107980205	CN	11/24/2017	5/1/2018
776	METHOD FOR POWER SAVING AND POWER SAVING CIRCUIT FOR A MOBILE DEVICE	2016800305897	107690829	CN	11/27/2017	2/13/2018
777	APPARATUS METHOD AND COMPUTER PROGRAM FOR TRANSCEIVERS OF A MOBILE COMMUNICATION SYSTEM	2016800306048	107736057	CN	11/27/2017	2/23/2018
778	METHOD AND DEVICE FOR DETECTING A TRANSMISSION FROM AN INTERFERING RADIO CELL	2016800308490	107771377	CN	11/27/2017	3/6/2018
779	CARRIER MEASUREMENTS FOR MULTI-CARRIER DEVICES	2016800320774	107667557	CN	12/1/2017	2/6/2018
780	METHODS FOR CQI FEEDBACK AND RRM MEASUREMENTS WITH DYNAMIC POWER SHARING AMONG MULTIPLE LAA CELLS FOR DL-ONLY TRANSMISSION	2016800415350	107852270	CN	2/7/2018	3/27/2018
781	LIGHTWEIGHT S-1 LITE PROTOCOL DESIGN FOR CELLULAR INTERNET OF THINGS	2016800416635	107852424	CN	1/15/2018	3/27/2018
782	METHOD AND RELATED MOBILE DEVICE FOR FAST BLIND DECODING	2016800419775	107852272	CN	1/16/2018	3/27/2018
783	UPLINK SYNCHRONIZATION WITH ASSISTED mmWAVE ENHANCED NODE B	2016800420503	107852687	CN	2/5/2018	3/27/2018
784	BEAMFORMING DEVICE	2016800421101	107852206	CN	1/17/2018	3/27/2018
785	SYSTEM AND METHODS FOR SYSTEM OPERATION FOR NARROWBAND-LTE FOR CELLULAR IOT	2016800435852	107852314	CN	1/24/2018	3/27/2018
786	OFDMA-BASED MULTIPLEXING OF UPLINK CONTROL INFORMATION	2016800442983	107852321	CN	1/29/2018	3/27/2018
787	A RECEIVER AND A METHOD FOR REDUCING A DISTORTIONCOMPONENT WITHIN A BASEBAND RECEIVE SIGNAL	2016800443187	107852388	CN	1/29/2018	3/27/2018
788	RANDOM ACCESS PROCEDURE FOR BEAM BASED CELL-LESS OPERATION IN 5G RAT	2016800480383	107925605	CN	2/9/2018	4/17/2018

SCHEDULE A

No.	TITLE	Filing Number	Publication Number	Jurisdiction	Filing Date	Publication Date
789	METHODS FOR PERFORMING WIRELESS COMMUNICATIONS MOBILE TERMINAL DEVICES AND SERVERS	2016800486341	107925944	CN	3/9/2018	4/17/2018
790	COMMUNICATION TERMINAL AND METHOD FOR COMMUNICATING DATA	2016800493059	107926077	CN	2/24/2018	4/17/2018
791	SYSTEM INFORMATION CHANGE NOTIFICATION TECHNIQUES FOR WIRELESS COMMUNICATIONS NETWORKS	2016800493203	107925952	CN	2/24/2018	4/17/2018
792	AIR INTERFACE RESOURCE UTILIZATION TECHNIQUES FOR WIRELESS COMMUNICATION NETWORKS	2016800505200	108029074	CN	2/28/2018	5/11/2018
793	USER EQUIPMENT (UE) AND METHODS FOR REGISTRATION OF CIRCUIT-SWITCHED (CS) SERVICES IN MULTI-MODE OPERATION	2016800511466	107925979	CN	3/2/2018	4/17/2018
794	DUAL RADIO OPERATION BETWEEN ACCESS SYSTEMS USING 3GPP RADIO ACCESS TECHNOLOGY	2016800516116	107950056	CN	3/6/2018	4/20/2018
795	SIGNALING METHODS FOR FLEXIBLE RADIO RESOURCE MANAGEMENT	2016800521148	108028738	CN	3/8/2018	5/11/2018
796	NETWORK INITIATED PACKET DATA NETWORK CONNECTION	2016800521491	108029060	CN	3/29/2018	5/11/2018
797	FRAME STRUCTURE FOR UPLINK SCHEDULING	2016800522916	108029140	CN	3/9/2018	5/11/2018
798	APPARATUSES FOR DMRS DESIGN OR PROCESSING FOR GUARD INTERVAL OR ZERO TAIL DFT SPREAD OFDM SYSTEMS	2016800533893	108028826	CN	3/14/2018	5/11/2018
799	SAS INTERFERENCE MITIGATION OPTIONS	2016800542680	108029025	CN	3/16/2018	5/11/2018
800	FLEXILE UNIVERSAL EXTENDED FRAME STRUCTURE	2016800545462	108028726	CN	3/16/2018	5/11/2018
801	PERSONAL AREA NETWORK COMMUNICATION FOR WEARABLE DEVICES	2016800551891	108029156	CN	3/22/2018	5/11/2018
802	CONTENTION WINDOW SIZE ADAPTATION	2016800552540	108141311	CN	3/22/2018	6/8/2018
803	DISTINGUISHING SUBFRAMES IN A DOWNLINK TRANSMISSION BURST	2016800560138	108141829	CN	3/26/2018	6/8/2018
804	CONFIGURING DOWNLINK LISTEN-BEFORE-TALK PRIORITY CLASS FOR UPLINK GRANT TRANSMISSION IN LICENSED ASSISTED ACCESS	2016800560585	108029146	CN	3/26/2018	5/11/2018
805	APPARATUSES FOR EVOLVED NODE BS CONFIGURED TO COMMUNICATE USING ROBUST PUNCTURING-BASED MULTIPLEXING	2016800568642	108141312	CN	3/29/2018	6/8/2018
806	DESIGN AND TRANSMISSION OF (E)PDCCH WITHIN PARTIAL SUBFRAME IN LICENSED ASSISTED ACCESS (LAA)	2016800571221	108141337	CN	3/29/2018	6/8/2018
807	LISTEN BEFORE TALK FOR DISCOVERY REFERENCE SIGNAL TRANSMISSION IN UNLICENSED SPECTRUM	2016800616006	108141342	CN	4/20/2018	6/8/2018

SCHEDULE A

No.	TITLE	Filing Number	Publication Number	Jurisdiction	Filing Date	Publication Date
808	DOWNLINK DATA HANDLING FOR IDLE MODE UE WHEN THE SGW IS SPLIT INTO CONTROL PLANE NODE AND USER PLANE NODE	2016800620849	108353450	CN	4/23/2018	7/31/2018
809	SYNCHRONIZATION SIGNAL DESIGN FOR NARROWBAND INTERNET OF THINGS COMMUNICATIONS	2016800620995	108353055	CN	4/23/2018	7/31/2018
810	MECHANISMS FOR SINGLE FREQUENCY NETWORKS IN HIGH-SPEED MOBILE SCENARIOS	2016800637515	108352865	CN	4/28/2018	7/31/2018
811	MULTI-SUBFRAME UPLINK SCHEDULING IN UNLICENSED SPECTRUM	2016800650666	108293256	CN	5/7/2018	7/17/2018
812	MASTER INFORMATION BLOCK AND SYSTEM INFORMATION BLOCK TRANSMISSIONS IN UNLICENSED SPECTRUM	2016800664160	108293191	CN	5/14/2018	7/17/2018
813	MULTI-HARMONIC MATCHING NETWORKS	2016800680055	108292928	CN	5/21/2018	7/17/2018
814	COMMUNICATION TERMINAL AND METHOD FOR TRANSMITTING A SIGNALING MESSAGE	2016800684499	108293208	CN	5/23/2018	7/17/2018
815	TECHNIQUES FOR INSTANTIATION AND TERMINATION OF VIRTUALIZED NETWORK FUNCTIONS	2016800722912	108370331	CN	6/8/2018	8/3/2018
816	EVOLVED NODE-B (ENB) USER EQUIPMENT (UE) AND METHODS FOR COMMUNICATION OF A CHANNEL RASTER FREQUENCY OFFSET	2016800730389	108476078	CN	7/12/2018	8/31/2018
817	NETWORK SLICE SELECTION IN NETWORK SYSTEMS	2016800742916	108432286	CN	6/15/2018	8/21/2018
818	DEVICES AND METHODS FOR PROVIDING 5G UPLINK REQUEST	2016800744413	108476513	CN	6/19/2018	8/31/2018
819	APPARATUS AND METHOD FOR IOT CONTROL CHANNEL	2016800760825	108432198	CN	7/12/2018	8/21/2018
820	REFERENCE SIGNALS AND PHYSICAL BROADCAST CHANNEL FOR 5G SYSTEMS	2016800765462	108513693	CN	7/13/2018	9/7/2018
821	INFORMATIONALLY EFFICIENT ERROR CORRECTION CODING	2016800770691	108432167	CN	7/16/2018	8/21/2018
822	PHYSICAL DOWNLINK SHARED CHANNEL TRANSMISSION WITH SHORT TRANSMISSION TIME INTERVAL	2016800789039	108476121	CN	7/13/2018	8/31/2018
823	APPARATUS SYSTEM AND METHOD OF VEHICULAR USER EQUIPMENT (UE) COMMUNICATION	2016800792239	108476497	CN	7/17/2018	8/31/2018
824	SYSTEMS AND METHODS FOR REDUCING INTERRUPTIONS IN DATA TRANSMISSIONS DUE TO HANDOVER OPERATIONS	2016800792277	108702673	CN	7/17/2018	10/23/2018
825	SOUNDING REFERENCE SIGNAL IN CELLULAR SYSTEMS	2016800792489	108476123	CN	7/17/2018	8/31/2018

SCHEDULE A

No.	TITLE	Filing Number	Publication Number	Jurisdiction	Filing Date	Publication Date
826	FLEXIBLE FRAME STRUCTURE SIGNALING FOR RADIO ACCESS NETWORKS OPERATING IN THE UNLICENSED SPECTRUM	2016800792629	108476498	CN	7/17/2018	8/31/2018
827	PBCH TRANSMISSION INSIDE AND OUTSIDE OF DISCOVERY REFERENCE SIGNAL TRANSMISSION WINDOW TO UES OPERATING IN UNLICENSED FREQUENCY BANDS	2016800794874	108476458	CN	8/2/2018	8/31/2018
828	FIFTH GENERATION (5G) UPLINK CONTROL INFORMATION (xUCI) REPORT	2016800795059	108476051	CN	7/19/2018	8/31/2018
829	PHYSICAL LAYER PROTOCOL AND SELF-CONTAINED SUBFRAME STRUCTURE FOR 5G/LTE COMPLIANT WEARABLE USER EQUIPMENT DEVICES	2016800801488	108605355	CN	8/9/2018	9/28/2018
830	USER EQUIPMENT (UE) AND METHOD OF SIDELINK COMMUNICATION IN FIFTH GENERATION (5G) NEW RADIO (NR) THINGS NETWORKS	2016800801632		CN	8/10/2018	
831	DISCOVERY AND PAGING IN NEW RADIO-THINGS SIDELINK	2016800802207		CN	7/26/2018	
832	POWER CONTROL FOR LINKS IN BEAMFORMING SYSTEMS	2016800802315	108605298	CN	7/26/2018	9/28/2018
833	UPLINK DM-RS TRANSMISSION FOR PUSCH TRANSMISSIONS WITH SHORTENED TTI	2016800806886	108702269	CN	9/13/2018	10/23/2018
834	SELF-CONTAINED TDD FRAME STRUCTURE AND DL-UL CONFIGURATION IN 5G SYSTEM	2016800808167	108604964	CN	8/1/2018	9/28/2018
835	LOW LATENCY PRACH DESIGN IN UNLICENSED SPECTRUM	2016800811687	108781463	CN	8/6/2018	11/9/2018
836	TRANSMISSION SCHEME AND INTER-CELL INTERFERENCE MITIGATION FOR FIFTH GENERATION (5G) SYSTEM INFORMATION BLOCK (xSIB)	2016800815298	108781147	CN	8/10/2018	11/9/2018
837	MULTIPLEXING UPLINK CONTROL INFORMATION AND DATA ON PHYSICAL UPLINK SHARED CHANNEL	2016800818741	108702238	CN	9/4/2018	10/23/2018
838	ENHANCED REPORTING AND UPLINK ROBUSTNESS DESIGN	2016800819443	108781137	CN	8/15/2018	11/9/2018
839	HYBRID OPEN-LOOP AND CLOSED-LOOP BEAMFORMING	2016800827562	108702182	CN	9/10/2018	10/23/2018
840	USER EQUIPMENT (UE) SUPPORT MODE AND ID SUPPORT	2016800829426	108781099	CN	9/21/2018	11/9/2018
841	BEAMFORMING ARCHITECTURE FOR MULTI-BEAM MULTIPLE-INPUT-MULTIPLE-OUTPUT (MIMO)	2016800831021	108713293	CN	9/3/2018	10/26/2018
842	CODE DIVISION MULTIPLEXING OF UPLINK CONTROL INFORMATION	2016800833900	108781124	CN	9/25/2018	11/9/2018
843	SYSTEMS METHODS AND DEVICES FOR TRANSMISSION OF NETWORK INFORMATION IN THE PHYSICAL BROADCAST CHANNEL (PBCH)	2016800834617	108781399	CN	9/11/2018	11/9/2018
844	APPARATUS AND METHOD FOR CONTROL SIGNALING OF CSI-RS	2016800837333	109314872	CN	10/8/2018	2/5/2019

SCHEDULE A

No.	TITLE	Filing Number	Publication Number	Jurisdiction	Filing Date	Publication Date
845	SYSTEM AND METHOD FOR UPLINK SUBBAND BEAMFORMING	2016800837757	108781440	CN	10/8/2018	11/9/2018
846	SYSTEMS METHODS AND DEVICES FOR OPTIMIZED UPLINK GRANT TRANSMISSION TO ENABLE MULTI-SUBFRAME SCHEDULING	2016800839184	108886805	CN	9/21/2018	11/23/2018
847	NETWORK FUNCTION VIRTUALIZATION	2016800844337	109074280	CN	10/8/2018	12/21/2018
848	SYSTEMS METHODS AND DEVICES FOR NON-ADAPTIVE RETRANSMISSION USING SEMI-PERSISTENT SCHEDULING RESOURCES	2016800845378	109075909	CN	10/11/2018	12/21/2018
849	MECHANISMS FOR AVOIDANCE OF EXPLICIT QUALITY OF SERVICE SIGNALING OVER THE RADIO INTERFACE	2016800846366	109076379	CN	10/15/2018	12/21/2018
850	IMPROVED SIGNALING FOR BATTERY EFFICIENT STATE TRANSITION IN PCH STATES	2016800847301	109076623	CN	11/7/2018	12/21/2018
851	APPARATUSES FOR COMBINING AND DECODING ENCODED BLOCKS	2016800859031	109155705	CN	11/20/2018	1/4/2019
852	METHOD FOR CRC AMBIGUITY AVOIDANCE IN 5G DCI DECODING	2016800863639	109314617	CN	11/30/2018	2/5/2019
853	DOWNLINK CONTROL INFORMATION (DCI) CONFIGURATION	2016800864133	109314618	CN	12/20/2018	2/5/2019
854	DEVICE AND METHOD FOR NFV LIFE CYCLE MANAGEMENT	2016800869279	109314649	CN	1/8/2019	2/5/2019
855	GENERATION AND USE OF A USER EQUIPMENT LOCATION DISTRIBUTION IN A WIRELESS COMMUNICATION NETWORK	2017100554966	107071724	CN	1/24/2017	8/18/2017
856	A METHOD FOR DETERMINING A TRANSMISSION DIRECTION FOR A COMMUNICATION A METHOD FOR DETERMINING A PRECODING MATRIX FOR A COMMUNICATION AND A DEVICE CONFIGURED TO DO THE SAME	2017100863828	107070510	CN	2/17/2017	8/18/2017
857	COVERAGE EXTENSION LEVEL FOR COVERAGE LIMITED DEVICE	2017100874536	106912109	CN	2/17/2017	6/30/2017
858	SYSTEMS AND METHODS FOR WLAN NETWORK SELECTION	2017101063247	107105387	CN	2/24/2017	8/29/2017
859	METHODS AND DEVICES FOR CELL SEARCH	2017101184932	107277893	CN		10/20/2017
860	METHODS AND DEVICES FOR SPUR CANCELLATION IN DIGITAL PHASE LOCKED LOOPS	2017101214270	107276586	CN		10/20/2017
861	APPARATUS SYSTEM AND METHOD OF COMMUNICATING NON-CELLULAR ACCESS NETWORK INFORMATION OVER A CELLULAR NETWORK	2017101535619	106899971	CN	3/15/2017	6/27/2017
862	DIGITAL PRE-EMPHASIS QUADRATURE IMBALANCE COMPENSATING FILTER	2017102992838	107453771	CN		12/8/2017
863	DEVICE AND METHOD FOR RECOVERING SERVICES FROM NETWORK REJECTIONS TO WIRELESS COMMUNICATION DEVICES	2017103008704	107454583	CN		12/8/2017

SCHEDULE A

No.	TITLE	Filing Number	Publication Number	Jurisdiction	Filing Date	Publication Date
864	REFERENCE SIGNAL PATH FOR CLOCK GENERATION WITH AN INJECTION LOCKED MULTIPLIER (ILM)	2017103037872	107465425	CN		12/12/2017
865	MULTIPLE MODULATED SPUR CANCELLATION APPARATUS	2017103295959	107493157	CN		12/19/2017
866	AMPLIFICATION CIRCUIT APPARATUS FOR AMPLIFYING LOW NOISE AMPLIFIER RADIO RECEIVER MOBILE TERMINAL BASE STATION AND METHOD FOR AMPLIFYING	2017103423020	107493078	CN		12/19/2017
867	METHODS AND DEVICES FOR PERFORMING DUPLEX MODE DETECTION	2017103450051	107528662	CN		12/29/2017
868	FREQUENCY BASED BIAS VOLTAGE SCALING FOR PHASE LOCKED LOOPS	2017103645740	107547085	CN		1/5/2018
869	FREQUENCY RECONFIGURABLE ANTENNA DECOUPLING FOR WIRELESS COMMUNICATION	2017103663077	107546488	CN		1/5/2018
870	A SHORT RANGE RADIO COMMUNICATION DEVICE AND A METHOD OF CONTROLLING A SHORT RANGE RADIO COMMUNICATION DEVICE	2017104003445	107567007	CN		1/9/2018
871	PERFORMANCE INDICATOR FOR PHASE LOCKED LOOPS	2017104127397	107565960	CN		1/9/2018
872	DECODING DEVICE AND METHOD USING CONTEXT REDUNDANCY	2017104400685	107634818	CN		1/26/2018
873	APPARATUS ADAPTED FOR MAINTAINING RECEIVING DATA QUALITY AND METHOD FOR RECEIVING DATA	2017104473629	107566330	CN		1/9/2018
874	DIGITAL TIME CONVERTER SYSTEMS AND METHODS	2017104477460	107561917	CN		1/9/2018
875	BIT-ERROR RATE FALSE POSITIVE DETECTION SYSTEM AND METHOD	2017104508613	107566082	CN		1/9/2018
876	CAMPING APPROACH IN MULTI-SIM USER EQUIPMENT WHEN PRESENT IN COVERAGE HOLES OF RESPECTIVE NETWORK OPERATORS	2017107296170	107889284	CN		4/6/2018
877	COMMUNICATION DEVICE AND METHOD FOR RESUMING DATA RECEPTION	2017107444562	107872867	CN		4/3/2018
878	COORDINATED BLUETOOTH - WIFI SCHEDULING WITH BLUETOOTH SLOT AVAILABILITY MASK	2017107557876	107889087	CN		4/6/2018
879	PROCESSING REQUESTS FOR MEASUREMENT OF SIGNAL QUALITY AT THE LOCATION OF A USER EQUIPMENT WITH MULTIPLE SIMS	2017107621707	107889050	CN		4/6/2018
880	SYSTEMS AND METHODS FOR SIGNALING IN AN INCREASED CARRIER MONITORING WIRELESS COMMUNICATION ENVIRONMENT	2017107787666	107592192	CN	9/1/2017	1/16/2018
881	SYSTEMS METHODS AND DEVICES FOR OPPORTUNISTIC NETWORKING	2017109867434	107682936	CN	10/20/2017	2/9/2018

SCHEDULE A

No.	TITLE	Filing Number	Publication Number	Jurisdiction	Filing Date	Publication Date
882	SYSTEM AND METHOD FOR TUNING AN ANTENNA IN A WIRELESS COMMUNICATION DEVICE	2017110749000	107749768	CN	11/3/2017	3/2/2018
883	SIGNALING FOR INTER-CELL D2D DISCOVERY IN AN LTE NETWORK	2017110964007	107645748	CN	11/9/2017	1/30/2018
884	GATEWAY ARRANGEMENTS FOR WIRELESS COMMUNICATION NETWORKS	2017111127669	107889176	CN	11/13/2017	4/6/2018
885	COMMUNICATION SYSTEM AND METHOD	2017111589174	108206991	CN		6/26/2018
886	PUSHING BACK PACKET NOT ACKNOWLEDGED BY BASE STATION	2017111842219	108243443	CN		7/3/2018
887	NETWORK PROFILE SYSTEM AND METHOD	2017112161474	108259219	CN		7/6/2018
888	EMERGENCY CALL HANDLING	2017113769025	108462937	CN	12/19/2017	8/28/2018
889	SPECTRUM SHARING BASED ON SELF-ORGANIZING NETWORKS	2017114749902	108322914	CN	12/29/2017	7/24/2018
890	LISTEN-BEFORE-TALK (LBT) FAILURE DURING A RANDOM ACCESS PROCEDURE	2017800070190	108476532	CN	7/17/2018	8/31/2018
891	TRANSMISSION DETECTION OF NON-SCHEDULED UPLINK TRANSMISSIONS	2017800082501	108604967	CN	7/25/2018	9/28/2018
892	APPARATUSES AND METHODS FOR COMPENSATING PHASE FLUCTUATIONS	2017800112121	108604980	CN	8/13/2018	9/28/2018
893	CO-EXISTENCE OF GRANTLESS UPLINK AND SCHEDULED TRANSMISSIONS	2017800128670	108781149	CN	8/22/2018	11/9/2018
894	PAGING DESIGN FOR STAND-ALONE BEAMFORMED SYSTEM	2017800151802	108886738	CN	9/4/2018	11/23/2018
895	COMMUNICATION DEVICE AND METHOD FOR TRANSMITTING DATA	2017800200550	108886508	CN	10/12/2018	11/23/2018
896	TRANSCIVER TRANSMITTER RECEIVER AND METHOD FOR DETERMINING A MINIMUM SUPPLY VOLTAGE FOR RECEIVERS AND TRANSMITTERS	2017800201407	108886411	CN	9/26/2018	11/23/2018
897	INCREASE OF SPECTRAL CAPACITY OF EMBMS-CELL WHEN DEPLOYED AS A SUPPLEMENTARY DOWNLINK CARRIER	2017800234951	109076313	CN	10/20/2018	12/21/2018
898	TRACKING USER EQUIPMENT AT RADIO ACCESS NETWORK LEVEL	2017800235808	109076479	CN	10/12/2018	12/21/2018
899	PHASE COMPENSATION REFERENCE SIGNAL FOR 5G SYSTEMS	2017800280432	109075950	CN	11/21/2018	12/21/2018
900	SYSTEM AND METHOD FOR PHYSICAL UPLINK REQUEST CHANNEL DESIGN	2017800307859	109196811	CN	11/19/2018	1/11/2019
901	HARMONIC SUPPRESSING LOCAL OSCILLATOR SIGNAL GENERATION	2017800308442	109155677	CN	12/3/2018	1/4/2019
902	COMMUNICATION DEVICE AND A METHOD FOR OPERATING A COMMUNICATION DEVICE	2017800330588	109314924	CN	12/18/2018	2/5/2019
903	EARLY ACKNOWLEDGEMENT FEEDBACK FOR 5G GROUPED TRANSMISSIONS	2017800335492	109314620	CN	11/29/2018	2/5/2019
904	METHODS AND TRANSCEIVERS FOR REDUCING A DISTORTION COMPONENT WITHIN A BASEBAND RECEIVE SIGNAL	2017800343658	109314681	CN	12/3/2018	2/5/2019

SCHEDULE A

No.	TITLE	Filing Number	Publication Number	Jurisdiction	Filing Date	Publication Date
905	DETERMINATION CIRCUIT AND APPARATUS MOBILE TRANSCEIVER COMMUNICATION DEVICE METHOD FOR DETERMINING COMPUTER PROGRAM AND STORAGE TO DETERMINE A SPATIAL TRANSMISSION MODE	2017800345028	109314548	CN	12/3/2018	2/5/2019
906	UPLINK SOUNDING REFERENCE SIGNAL (SRS) TRANSMISSION IN CARRIER AGGREGATION SYSTEM	2017800383617	109417454	CN	1/16/2019	3/1/2019
907	CONTROL SIGNALING FOR USER EQUIPMENT TRANSMISSION BEAMFORMING	2017800398951	109417822	CN	12/26/2018	3/1/2019
908	APPARATUSES TO AUTHORIZE AND ENABLE/DISABLE ENHANCED COVERAGE FUNCTIONALITY	2017800402961	109417728	CN	1/25/2019	3/1/2019
909	TIMING ADVANCE FOR BEAM FORMING SYSTEMS	2017800412499	109417765	CN	12/29/2018	3/1/2019
910	CHANNEL STATE INFORMATION CONFIGURATION FOR MOBILE COMMUNICATION SYSTEMS	2017800425554	109478967	CN	1/8/2019	3/15/2019
911	ENHANCED PHYSICAL RANDOM-ACCESS CHANNEL TRANSMISSION IN NEW RADIO STANDARD	2017800427155	109479327	CN	1/31/2019	3/15/2019
912	NARROWBAND DEFINITIONS RESOURCE ALLOCATION AND FREQUENCY HOPPING FOR USER EQUIPMENT	2017800435448	109479280	CN	1/14/2019	3/15/2019
913	TRANSMISSION OF MULTIPLE USER SUPERPOSITION TRANSMISSION (MUST) PARAMETERS TO USER EQUIPMENTS	2017800456976	109478986	CN	1/23/2019	3/15/2019
914	AT COMMANDS FOR CELLULAR INTERNET OF THINGS RATE CONTROL	2017800533050	109644375	CN	3/18/2019	4/16/2019
915	CORE NETWORK OVERLOAD CONTROL FOR CONTROL PLANE EVOLVED PACKET SYSTEM	2017800534829	109923879	CN	2/28/2019	6/21/2019
916	SYSTEMS AND METHODS FOR CONFIGURATION OF LIGHT CONNECTION	2017800547763	109691222	CN	3/6/2019	4/26/2019
917	UE BEHAVIOR DURING SRS SWITCHING AMONG TDD COMPONENT CARRIERS	2017800607783	109804595	CN	3/29/2019	5/24/2019
918	AVOIDANCE OF HFN DESYNCHRONIZATION IN UPLINK OVER WLAN IN LTE-WLAN AGGREGATION	2017800610790	109792363	CN	4/1/2019	5/21/2019
919	CONFIGURATION OF RADIO RESOURCE MANAGEMENT MEASUREMENT	2017800621494	109804592	CN	4/8/2019	5/24/2019
920	RESOURCE ALLOCATION AND DETAILED DESIGN FOR NEW RADIO (NR) PHYSICAL UPLINK CONTROL CHANNEL (PUCCH) WITH MULTIPLE SLOT DURATION	2017800708638	109964441	CN	5/16/2019	7/2/2019
921	LWIP USER PLANE INTERFACE	2017800746979	110036658	CN	5/31/2019	7/19/2019
922	BANDWIDTH ADAPTATION FOR WIRELESS COMMUNICATION SYSTEM	2017800763673	110050433	CN	6/10/2019	7/23/2019

SCHEDULE A

No.	TITLE	Filing Number	Publication Number	Jurisdiction	Filing Date	Publication Date
923	SYSTEMS METHODS AND DEVICES FOR REPORTING SUPPORTED CELLULAR CAPABILITY COMBINATIONS	2017800785598	110089064	CN	6/19/2019	8/2/2019
924	SYSTEMS AND METHODS FOR PACKET FORWARDING DURING HANDOVER PROCEDURES	2017800791419	110089151	CN	6/20/2019	8/2/2019
925	(UL) UPLINK (BW) BANDWIDTH ADAPTATION AND MULTI-BW PART OPERATION IN NR (NEW RADIO)	2017800810000	110140318	CN	6/27/2019	8/16/2019
926	DEVICE RADAR SENSING	2017800877956	110352363	CN	8/30/2019	10/18/2019
927	TECHNIQUES FOR CHANNEL STATE DETERMINATION	2017800887623		CN	9/20/2019	
928	APPARATUS AND METHOD FOR INTERPOLATING BETWEEN A FIRST AND A SECOND SIGNAL	2017800890132		CN	9/26/2019	
929	IoT goes Unlicensed	2017800890452		CN	9/26/2019	
930	SECURITY FOR PAGING MESSAGES	2017800892091		CN	9/27/2019	
931	DIGITAL TO ANALOG CONVERTER CIRCUITS APPARATUS AND METHOD FOR GENERATING A HIGH FREQUENCY TRANSMISSION SIGNAL AND METHODS OF DIGITAL TO ANALOG CONVERSION	2018101236202	108390674	CN	2/7/2018	8/10/2018
932	SIGNALING EXTENDED EARFCN AND E-UTRA BANDS IN UMTS NETWORKS	2018102933035	108601085	CN	3/30/2018	9/28/2018
933	DYNAMIC CONFIGURATION OF UPLINK (UL) AND DOWNLINK (DL) FRAME RESOURCES FOR A TIME DIVISION DUPLEX (TDD) TRANSMISSION	2018103320688	108683485	CN	4/13/2018	10/19/2018
934	APPARATUS AND METHOD FOR DETERMINING A DISTANCE TO AN OBJECT	2018103720322	108931767	CN		12/4/2018
935	LINK-AWARE STREAMING ADAPTATION	2018105006515	108494454	CN	5/23/2018	9/4/2018
936	POWER SAVING MODE OPTIMIZATIONS AND RELATED PROCEDURES	2018107779946		CN	7/16/2018	
937	DYNAMICAL TIME DIVISION DUPLEX UPLINK AND DOWNLINK CONFIGURATION IN A COMMUNICATIONS NETWORK	2018110440612	109660286	CN	9/7/2018	4/19/2019
938	COMMUNICATION OF SECURITY KEY INFORMATION	2018110735182	109088714	CN	9/14/2018	12/25/2018
939	METHOD APPARATUS AND COMPUTER READABLE MEDIUM FOR SWITCHING BETWEEN LOWER ENERGY AND HIGHER ENERGY WIRELESS COMMUNICATION TECHNIQUES	2018111487917	109348468	CN	9/29/2018	2/15/2019
940	MOBILITY MANAGEMENT ENTITY USER EQUIPMENT AND METHODS FOR MACHINE TYPE COMMUNICATION	2018112229950	109348543	CN	10/19/2018	2/15/2019
941	POWER HEADROOM REPORTING WITH DUAL CONNECTIVITY	2018113517936	110062451	CN	11/14/2018	7/26/2019
942	RANDOM ACCESS PROCEDURE FOR ENHANCED COVERAGE SUPPORT	2018114536879	110049574	CN	11/30/2018	7/23/2019
943	COVERAGE ENHANCEMENT RESTRICTION FOR CIOT DEVICES	2018800049404	110050475	CN	6/10/2019	7/23/2019

SCHEDULE A

No.	TITLE	Filing Number	Publication Number	Jurisdiction	Filing Date	Publication Date
944	CONTROL SIGNALING FOR BEAM MANAGEMENT	2018800059942	110168955	CN	7/5/2019	8/23/2019
945	RETRANSMISSION MECHANISMS FOR CBG-BASED HARQ OPERATIONS	2018800060653		CN	7/5/2019	
946	GENERATION NODE-B (GNB) USER EQUIPMENT (UE) AND METHODS OF SYNCHRONIZATION BASED ON SYNCHRONIZATION SIGNAL (SS) BLOCKS IN NEW RADIO (NR) SYSTEMS	2018800061088	110178324	CN	7/29/2019	8/27/2019
947	TRANSMISSION OF SYNCHRONIZATION SIGNALS	2018800076505	110249598	CN	7/19/2019	9/17/2019
948	Techniques for Improved Beam Management	2018800089149	110226291	CN	7/29/2019	9/10/2019
949	USER EQUIPMENT WITH ADAPTIVE TRANSMISSION POWER SCALING BASED ON DECODING CONFIDENCE	2018800119799	110313200	CN	8/14/2019	10/8/2019
950	EXIT CONDITIONS FOR CONDITIONAL HANDOVERS AND BEAM BASED MOBILITY STATE ESTIMATION	2018800136099	110326327	CN	8/23/2019	10/11/2019
951	EXPIRATION HANDLING OF TWO-STAGE GRANT VALIDITY DURATION	2018800138107	110326248	CN	8/23/2019	10/11/2019
952	SYSTEMS METHODS AND APPARATUSES FOR MANAGING MULTIPLE ANCHORS FOR MULTI-HOMING	2018800141504	110337836	CN	8/27/2019	10/15/2019
953	SPUR CANCELLATION USING INVERSE SPUR INJECTION	2018800147356	110366825	CN	8/29/2019	10/22/2019
954	High Speed train in New Radio (NR)	2018800155390	110383892	CN	9/2/2019	10/25/2019
955	MulteFire RAN1method and apparaturs for cross retransmission between GUL and SUL	2018800165049	110419257	CN	9/6/2019	11/5/2019
956	MONITORING CONTROL CHANNELS IN CONTROL RESOURCE SETS FOR NEW RADIO	2018800165922		CN	9/6/2019	
957	SYSTEMS METHODS AND APPARATUSES FOR CONFIGURING MEASUREMENT GAP PER FREQUENCY GROUP AND PER CELL	2018800167839	110419241	CN	9/9/2019	11/5/2019
958	EVOLVED NODE-B (ENB) USER EQUIPMENT (UE) AND METHODS OF SWITCHING BETWEEN DIRECT AND INDIRECT COMMUNICATION FOR A RELAY ARRANGEMENT	2018800169463		CN	9/9/2019	
959	TECHNOLOGY COORDINATION FOR DEVICE-TO-DEVICE DISCOVERY	2018800169798		CN	9/9/2019	
960	USER EQUIPMENT (UE) EVOLVED NODE-B (ENB) AND METHODS OF PAGING IN ACCORDANCE WITH A RELAY ARRANGEMENT	2018800173257		CN	9/10/2019	
961	Access Control for User Equipment with Coverage Enhancement Level Support	2018800174902		CN	9/11/2019	

SCHEDULE A

No.	TITLE	Filing Number	Publication Number	Jurisdiction	Filing Date	Publication Date
962	DETERMINATION OF NEW RADIO (NR) PHYSICAL UPLINK CONTROL CHANNEL(PUCCH) RESOURCE FOR HYBRID AUTOMATIC REPEAT REQUEST ACKNOWLEDGEMENT (HARQ-ACK) FEEDBACK	2018800179361		CN	9/12/2019	
963	HANDLING OF USER EQUIPMENT COVERAGE ENHANCEMENT MODE B RADIO CAPABILITY MISMATCH DUE TO CHANGE IN USER EQUIPMENT USAGE SETTING	2018800180392		CN	9/12/2019	
964	INSTANTIATION OF A VIRTUAL NETWORK FUNCTION (VNF) AS PART OF A GNODEB (GNB)	2018800182665		CN	9/12/2019	
965	SUPPORTING SON FUNCTIONS ON NETWORK SLICE INSTANCES	2018800184266		CN	9/16/2019	
966	CHANNEL QUALITY INDICATOR TABLE DESIGN FOR WIDEBAND COVERAGE ENHANCEMENT IN MULTIFIRE SYSTEMS	2018800187692		CN	9/17/2019	
967	DEVICES AND METHODS FOR DYNAMIC RACH	2018800188407		CN	9/17/2019	
968	DEVICE AND METHOD TO ALLOW CROSS-TRANSMISSION TIME INTERVAL (TTI) SWITCHING AND HYBRID AUTOMATIC REPEAT REQUEST (HARQ) OPERATION IN A NEW RADIO NETWORK	2018800194094		CN	9/19/2019	
969	RADIO LINK MONITORING BEAM RECOVERY AND RADIO LINK FAILURE HANDLING	2018800196598		CN	9/20/2019	
970	DOWNLINK CONTROL INFORMATION TO SUPPORT UPLINK PARTIAL SUBFRAME TRANSMISSION ON LICENSED ASSISTED ACCESS SECONDARY CELL	2018800197552		CN	9/20/2019	
971	CONTROL SIGNALING FOR DEMODULATION REFERENCE SIGNAL ANTENNA PORT INDICATION	2018800199717		CN	9/20/2019	
972	TRACKING REFERENCE SIGNALS FOR NEW RADIO	2018800200964		CN	9/20/2019	
973	ENHANCED CONDITIONAL HANDOVER	2018800202194		CN	9/23/2019	
974	PRIORITIZED MESSAGING AND RESOURCE SELECTION IN VEHICLE-TO-VEHICLE (V2V) SIDELINK COMMUNICATION	2018800202264		CN	9/23/2019	
975	SCHEDULING AND HYBRID AUTOMATIC REPEAT REQUEST OPERATION AND CODEBOOK DESIGN FOR NEW RADIO CARRIER AGGREGATION	2018800202461		CN	9/23/2019	
976	NARROWBAND INTERNET-OF-THINGS (NB-IOT) ENHANCEMENTS	2018800202480		CN	9/23/2019	
977	TIMING DETERMINATION TECHNIQUES FOR 5G RADIO ACCESS NETWORK CELLS	2018800203394		CN	9/23/2019	

SCHEDULE A

No.	TITLE	Filing Number	Publication Number	Jurisdiction	Filing Date	Publication Date
978	SYSTEMS METHODS AND DEVICES FOR SELECTING CELLULAR TIMING CONFIGURATIONS	2018800204471		CN	9/23/2019	
979	NR (New Radio) PRACH (Physical Random Access Channel) Configuration and Multi-Beam Operation	2018800204857		CN	9/23/2019	
980	SUPPORT OF 64 QAM FOR EFEMTC PDSCH TRANSMISSION	2018800204931		CN	9/23/2019	
981	SYSTEMS METHODS AND DEVICES FOR MEASUREMENT CONFIGURATION BY A SECONDARY NODE IN EN-DC	2018800205366		CN	9/23/2019	
982	PARTIAL UPLINK SUBFRAME TRANSMISSIONS ON UNLICENSED CARRIERS	2018800205987		CN	9/24/2019	
983	TECHNIQUES TO ENABLE PHYSICAL DOWNLINK CONTROL CHANNEL COMMUNICATIONS	2018800206015		CN	9/24/2019	
984	DESIGN OF EARLY TERMINATION SIGNAL AND HARQ-ACK FEEDBACK FOR PUSCH	2018800206301		CN	9/24/2019	
985	DESIGN OF SCHEDULING REQUEST FOR FURTHER ENHANCED NARROWBAND INTERNET OF THINGS (feNB-IoT)	2018800206316		CN	9/24/2019	
986	ENHANCED CELL SEARCH AND SYSTEM INFORMATION ACQUISITION	2018800206405		CN	9/24/2019	
987	Design of Cell Specific Reference Signal (CRS) Muting for Even Further Enhanced Machine Type Communication (EFEMTC)	2018800206829		CN	9/24/2019	
988	SUB-PRB RESOURCE ALLOCATION FOR PUSCH IN EVEN FURTHER ENHANCED MTC	2018800208650		CN	9/24/2019	
989	NEW RADIO (NR) SHORT AND LONG DURATION PHYSICAL UPLINK CONTROL CHANNEL (PUCCH) DESIGN	2018800209244		CN	9/24/2019	
990	Feed-Forward Envelope Tracking	2018800210006		CN	9/25/2019	
991	AUTONOMOUS HANDOVER FOR WIRELESS NETWORKS	2018800218648		CN	9/27/2019	
992	Frequency domain based digital cancellation of modulated spur interference in LTE-CA transceivers	2018800221636		CN	9/27/2019	
993	TRANSPORT BLOCK DECODING OPERATION FOR HYBRID TRANSMISSION TIME INTERVAL (TTI) LENGTHS IN WIRELESS COMMUNICATION SYSTEMS	2018800222018		CN	9/27/2019	
994	MANAGEMENT OF GNB IN NETWORK FUNCTIONS VIRTUALIZATION FRAMEWORK	2018800223241		CN	9/27/2019	
995	REG BUNDLING SIZE AND DM-RS PATTERN FOR PHYSICAL DOWNLINK CONTROL CHANNEL	2018800227045		CN	9/29/2019	
996	UE CAPABILITY INDICATION TO POSITIONING SERVER	2018800227261		CN	9/29/2019	

SCHEDULE A

No.	TITLE	Filing Number	Publication Number	Jurisdiction	Filing Date	Publication Date
997	EFFICIENT BEAM SEARCH METHODS FOR THREE DIMENSIONAL BEAMFORMING WITH NON-PRECODED REFERENCE SIGNALS	2018800227844		CN	9/29/2019	
998	RF TRANSMIT ARCHITECTURE METHODS	2018800229515		CN	9/29/2019	
999	5G RAN1 System and Method for numerology configuration in Non-Coherent Joint Transmission	2018800246578		CN	10/11/2019	
1000	5G RAN1 System and method for beam and radio link monitor	2018800251218		CN	10/14/2019	
1001	PER UE NETWORK CONTROLLED SMALL GAP (NCSG) SIGNALLING	2018800254220		CN	10/16/2019	
1002	5G RAN1 A Method for Interference Measurement Using Beam Management Reference Signal	2018800259525		CN	10/18/2019	
1003	MULTEFIRE ARCHITECTURE FOR CELLULAR INTERNET-OF-THINGS (CIOT)	2018800261309		CN	10/18/2019	
1004	RS (Reference Signal) Sequence Generation and Mapping and Precoder Assignment for NR (New Radio)	2018800263037		CN	10/21/2019	
1005	CENTRALIZED UNIT AND DISTRIBUTED UNIT CONNECTION IN A VIRTUALIZED RADIO ACCESS NETWORK	2018800271298		CN	10/24/2019	
1006	Techniques Related to Interface Between Next Generation NODEB Central Unit and Next Generation NODEB Distributed Unit	2018800275316		CN	10/25/2019	
1007	SYSTEMS METHODS AND DEVICES FOR SELECTING A PUBLIC LAND MOBILE NETWORK USING COVERAGE ENHANCEMENT INDICATORS	2018800275814		CN	10/25/2019	
1008	ACCESS CONTROL MECHANISM	2018800278530		CN	10/25/2019	
1009	ENHANCED NETWORK SLICE MANAGEMENT FOR WIRELESS COMMUNICATIONS	2018800280846		CN	10/28/2019	
1010	MEASUREMENT DESIGN FOR NEXT RADIO (NR) AND LONG TERM EVOLUTION (LTE)	2018800288689		CN	10/31/2019	
1011	SUPPORT OF FLEXIBLE PDCCH MONITORING IN NEW RADIO (NR)	2018800291198		CN	11/1/2019	
1012	QUASI CO-LOCATION (QCL) FOR ANTENNA PORTS IN NEW RADIO (NR)	2018800294800		CN	11/4/2019	
1013	METHODS AND ARRANGEMENTS TO SIGNAL FOR AERIAL VEHICLES	2018800298233		CN	11/5/2019	
1014	5G RAN1 System and Method for beam indication of default transmission scheme	2019101078881	110120862	CN		8/13/2019
1015	ADAPTIVE PAGING TECHNIQUES FOR EXTENDED COVERAGE CAPABLE DEVICES	2019101242335	110062391	CN	2/18/2019	7/26/2019
1016	5G RAN1 System and Method for QCL indication for aperiodic TRS	2019102847212	110365458	CN		10/22/2019

SCHEDULE A

No.	TITLE	Filing Number	Publication Number	Jurisdiction	Filing Date	Publication Date
1017	DISCONTINUOUS RECEPTION (DRX) ALIGNMENT TECHNIQUES FOR DUAL-CONNECTIVITY ARCHITECTURES	2019104624562	110213837	CN	5/30/2019	9/6/2019
1018	DELIVERY OF TARGETED MEDIA CONTENT	2019105485020	110290427	CN	6/24/2019	9/27/2019
1019	APPARATUS SYSTEM AND METHOD OF USER-EQUIPMENT (UE) CENTRIC TRAFFIC ROUTING	2019105935535	110381542	CN	7/3/2019	10/25/2019
1020	SYSTEMS AND METHODS FOR ACCESS NETWORK SELECTION AND TRAFFIC ROUTING	2019106192794	110380980	CN	7/10/2019	10/25/2019
1021	CLIENT/SERVER SIGNALING COMMANDS FOR DASH	2019106235696		CN	7/11/2019	
1022	INTERACTIVE VIDEO CONFERENCING	2019106244093	110417753	CN	7/11/2019	11/5/2019
1023	APPARATUS SYSTEM AND METHOD OF INTERFACING BETWEEN A CELLULAR MANAGER AND A WLAN ACCESS DEVICE	2019107885456		CN	8/26/2019	
1024	RECEIVER WITH FEEDBACK CONTINUOUS-TIME DELTA-SIGMA MODULATOR WITH CURRENT-MODE INPUT	201110276482X	102404014	CN		4/4/2012
1025	SYSTEM AND METHOD FOR REDUCING OR ELIMINATING TEMPERATURE DEPENDENCE OF A COHERENT RECEIVER IN A WIRELESS COMMUNICATION DEVICE	201210291038X	102957647	CN		3/6/2013
1026	METHOD APPARATUS AND SYSTEM FOR MANAGING BEARERS IN A WIRELESS COMMUNICATION SYSTEM	201380064491X		CN	6/10/2015	
1027	SYSTEMS AND METHODS FOR WLAN NETWORK SELECTION	201380070574X	104937994	CN	7/15/2015	9/23/2015
1028	ESTABLISHMENT OF CONNECTION TO THE INTERNET IN CELLULAR NETWORK	201380073744X	105075303	CN	8/24/2015	11/18/2015
1029	APPARATUS SYSTEM AND METHOD OF USER-EQUIPMENT (UE) CENTRIC TRAFFIC ROUTING	201380074064X	105027666	CN	8/28/2015	11/4/2015
1030	A METHOD FOR DETERMINING A TRANSMISSION DIRECTION FOR A COMMUNICATION A METHOD FOR DETERMINING A PRECODING MATRIX FOR A COMMUNICATION AND A DEVICE CONFIGURED TO DO THE SAME	201410457169X	104426635	CN		3/18/2015
1031	TECHNIQUES FOR DETERMINING COVARIANCE MEASURES BASED ON CORRELATION CRITERIA	201410462978X	104467937	CN		3/25/2015
1032	METHOD AND DEVICE FOR DETECTING INTERFERENCE SCENARIO	201410610840X	104703218	CN		6/10/2015
1033	NETWORK-LEVEL DEVICE PROXIMITY DETECTION	201480006789X	104956703	CN	7/30/2015	9/30/2015
1034	VIRTUAL CARRIER SENSING MECHANISM FOR LONG TERM EVOLUTION (LTE)	201480011258X	105027469	CN	8/28/2015	11/4/2015
1035	DATA RETRANSMISSIONS IN AN ANCHOR-BOOSTER NETWORK	201480020116X	105191200	CN	10/8/2015	12/23/2015

SCHEDULE A

No.	TITLE	Filing Number	Publication Number	Jurisdiction	Filing Date	Publication Date
1036	METHODS APPARATUSES AND SYSTEMS FOR RETRIEVING DATA FROM A WIRELESS LOCAL AREA NETWORK (WLAN) ACCESS POINT	201480021864X	105340221	CN	10/16/2015	2/17/2016
1037	COVERAGE EXTENSION LEVEL FOR COVERAGE LIMITED DEVICE	201480038873X	105379316	CN	1/7/2016	3/2/2016
1038	RESOURCE ALLOCATION FOR D2D DISCOVERY IN AN LTE NETWORK	201480051969X	105557052	CN	3/21/2016	5/4/2016
1039	TECHNIQUES AND CONFIGURATIONS ASSOCIATED WITH USER EQUIPMENT-INITIATED CONGESTION REPORTING	201480053042X	105580417	CN	3/25/2016	5/11/2016
1040	COMMUNICATION TERMINAL AND METHOD FOR CONTROLLING A CELL RESELECTION	201510393742X	105376822	CN		3/2/2016
1041	APPLICATION SPECIFIC CONGESTION CONTROL IN A WIRELESS NETWORK	201580003240X	105850184	CN	6/20/2016	8/10/2016
1042	USER EQUIPMENT GENERATION AND SIGNALING OF FEEDBACK FOR SUPPORTING ADAPTIVE DEMODULATION REFERENCE SIGNAL TRANSMISSION	201580011056X	106063180	CN	8/26/2016	10/26/2016
1043	SIMULTANEOUS SCHEDULING REQUEST TRANSMISSION IN DUAL CONNECTIVITY	201580014804X	106165515	CN	9/19/2016	11/23/2016
1044	LAWFUL INTERCEPT REPORTING IN WIRELESS NETWORKS USING PUBLIC SAFETY RELAYS	201580018693X	106465111	CN	10/8/2016	2/22/2017
1045	AN APPARATUS AND METHOD ENHANCING QUALITY OF SERVICE ARCHITECTURE FOR LTE	201580028883X	106537857	CN	11/30/2016	3/22/2017
1046	SMOOTH UE TRANSFER WITHIN AN EVOLVED PACKET CORE	201580044017X	106576228	CN	2/16/2017	4/19/2017
1047	UPLINK TRAFFIC CONTROL METHOD IN TIGHTLY INTEGRATED WIFI/LTE	201580048043X	107079329	CN	3/7/2017	8/18/2017
1048	SYSTEMS METHODS AND APPARATUSES FOR BEARER SPLITTING IN MULTI-RADIO HETNET	201580050033X	107079346	CN	3/16/2017	8/18/2017
1049	NETWORK-INITIATED DISCOVERY AND PATH SELECTION PROCEDURES FOR MULTI-HOP UNDERLAY NETWORKS	201580063263X	107113689	CN	5/22/2017	8/29/2017
1050	SYSTEM AND METHODS FOR PRECODED TRANSMISSIONS FOR NARROWBAND TRANSMISSIONS WITHIN WIDER SYSTEM BANDWIDTH	201580071657X	107113274	CN	6/29/2017	8/29/2017
1051	METHODS AND APPARATUSES FOR MACHINE-TYPE COMMUNICATIONS IN CELLULAR NETWORKS	201580077881X	107409413	CN	9/15/2017	11/28/2017
1052	ENHANCED SUPPORT VEHICLE-TO-ANYTHING (V2X) COMMUNICATION	201580080321X	107683613	CN	11/24/2017	2/9/2018
1053	RADIO RESOURCE CONTROL IN CELLULAR/WLAN AGGREGATION	201580081854X	107852628	CN	1/22/2018	3/27/2018
1054	PHYSICAL BROADCAST CHANNEL DESIGN	201580082086X	107925530	CN	1/30/2018	4/17/2018
1055	SYNCHRONIZATION SIGNALS FOR LICENSE ASSISTED ACCESS	201580084076X	108141296	CN	4/23/2018	6/8/2018

SCHEDULE A

No.	TITLE	Filing Number	Publication Number	Jurisdiction	Filing Date	Publication Date
1056	METHOD AND EVOLVED NODE-B FOR GEOGRAPHIC BIN DATA COLLECTION AND REPORTING	201610615533X	106231628	CN	7/28/2016	12/14/2016
1057	COVERAGE EXTENSION LEVEL FOR COVERAGE LIMITED DEVICE	201610816127X	106411490	CN	9/9/2016	2/15/2017
1058	USER EQUIPMENT AND METHOD FOR MEASUREMENT OF SIDE-LINK REFERENCE SIGNAL RECEIVED POWER (S-RSRP)	201611022037X	106993260	CN		7/28/2017
1059	PROCEDURES TO PROVISION AND ATTACH A CELLULAR INTERNET OF THINGS DEVICE TO A CLOUD SERVICE PROVIDER	201680011009X	107258094	CN	8/18/2017	10/17/2017
1060	SUPPORTING SEMI-PERSISTENT SCHEDULING FOR VARIED TRANSMISSION TIME INTERVALS	201680049222X	107926016	CN	2/24/2018	4/17/2018
1061	SLICE-BASED OPERATION IN WIRELESS NETWORKS WITH END-TO-END NETWORK SLICING	201680058190X	108141412	CN	4/4/2018	6/8/2018
1062	ENCODING AND DECODING USING LOW-DENSITY PARITY-CHECK MATRICES	201680071127X	108370284	CN	6/4/2018	8/3/2018
1063	UCI CHANNEL CODING ON XPUCCH	201680079895X	108604954	CN	7/24/2018	9/28/2018
1064	METHOD APPARATUS AND SYSTEM FOR TRANSMISSION ACKNOWLEDGEMENT CONTROL IN A WIRELESS NETWORK	201680082617X	108713302	CN	8/24/2018	10/26/2018
1065	EXTENDED SYNCHRONIZATION SIGNAL FOR SYMBOL INDEX	201680083667X	109075883	CN	11/6/2018	12/21/2018
1066	CQI REPORTING FOR FLEXIBLE TRANSMISSION MODE SWITCHING	201680085294X	109076371	CN	11/16/2018	12/21/2018
1067	USER EQUIPMENT AND METHODS FOR CODEBOOK SUBSAMPLING FOR ENHANCED 4TX CODEBOOKS	201710494925X	107302390	CN	6/26/2017	10/27/2017
1068	BEAM REFINEMENT AND CONTROL SIGNALING FOR MOBILE COMMUNICATION SYSTEMS	201780044618X	109565317	CN	2/19/2019	4/2/2019
1069	SYNCHRONIZATION SIGNAL TRANSMISSION AND RECEPTION	201780077424X	110073616	CN	6/14/2019	7/30/2019
1070	QUALITY OF EXPERIENCE AWARE MULTIMEDIA ADAPTIVE STREAMING	201810153713X	108600789	CN	2/22/2018	9/28/2018
1071	PAGING REPETITION FOR INCREASED ROBUSTNESS FOR EXTENDED PAGING CYCLES	201810316235X	108683484	CN	4/10/2018	10/19/2018
1072	FREQUENCY DEPENDENT ENVELOPE TRACKING	201880008817X	110235360	CN	7/26/2019	9/13/2019
1073	METHODS AND SYSTEMS FOR INSTANTIATING AND CONNECTING RADIO ACCESS NETWORK VIRTUALIZED NETWORK FUNCTION AND CORE NETWORK VIRTUALIZED NETWORK FUNCTION	201880018041X		CN	9/12/2019	
1074	PHASE TRACKING REFERENCE SIGNAL INDICATIOIN IN MULTI-USER SUPERPOSITION TRANSMISSION	201880025713X		CN	10/17/2019	

SCHEDULE A

No.	TITLE	Filing Number	Publication Number	Jurisdiction	Filing Date	Publication Date
1075	MANAGEMENT TECHNIQUES FOR WIRELESS NETWORK MOBILITY PROCEDURES	201910399211X	110225508	CN	5/14/2019	9/10/2019
1076	BANDWIDTH PART CONFIGURATION AND OPERATION FOR NEW RADIO (NR) WIDEBAND USER EQUIPMENT (UE)	TBA		CN	11/5/2019	
1077	GAP PATTERN DESIGN FOR NEW RADIO (NR) SYSTEMS	TBA		CN	11/4/2019	
1078	SIGNALING OF A CHANNEL STATE INFORMATION REFERENCE SIGNAL (CSI-RS) MAPPING CONFIGURATION FOR A NEW RADIO (NR) SYSTEM	TBA		CN	11/5/2019	
1079	GRANTLESS UPLINK (GUL) CONFIGURATION	TBA		CN	10/17/2019	
1080	SOUNDING REFERENCE SIGNAL SEQUENCE DESIGN	TBA		CN	11/8/2019	
1081	MulteFire RAN1 Design of frame structure and configuration for eMTCU system	TBA		CN	11/12/2019	
1082	New Radio (NR) Physical Uplink Structures and Schemes	TBA		CN	11/4/2019	
1083	CONFIGURABILITY AND SIGNALING FOR HALF-TONE SHIFT	TBA		CN	11/5/2019	
1084	HANDLING COLLISION FOR MINI-SLOT-BASED AND SLOT-BASED TRANSMISSION	TBA		CN	11/1/2019	
1085	NEW RADIO CONTROL CHANNEL RESOURCE SET DESIGN	TBA		CN	10/25/2019	
1086	MECHANISMS FOR HANDLING UPLINK GRANTS INDICATING DIFFERENT PHYSICAL UPLINK SHARED CHANNEL STARTING POSITIONS IN A SAME SUBFRAME	TBA		CN	9/27/2019	
1087	NETWORK FUNCTION VIRTUALIZATION INFRASTRUCTURE PERFORMANCE	TBA		CN	10/23/2019	
1088	ABSOLUTE POWER CONTROL TOLERANCE FOR NB-IOT/MTC	TBA		CN	11/1/2019	
1089	MEASUREMENT CONFIGURATION TECHNIQUES FOR WIDEBAND COVERAGE ENHANCEMENT (WCE)-CAPABLE DEVICES	TBA		CN	11/8/2019	
1090	BANDWIDTH UTILIZATION DURING SILENCE FRAMES	TBA		CN	11/11/2019	
1091	BINARY STOCHASTIC TIME-TO-DIGITAL CONVERTER AND METHOD	TBA		CN	9/27/2019	
1092	INTERFERENCE MEASUREMENTS WITH UE BEAM INDICATION			CN		
1093	UPLINK CONTROL INFORMATION (UCI) TRANSMISSION AND HYBRID AUTOMATIC REPEAT REQUEST (HARQ) PROCESS IDENTIFICATION FOR GRANT-FREE PHYSICAL UPLINK SHARED CHANNEL (PUSCH)			CN		
1094	COLLISION HANDLING OF REFERENCE SIGNALS			CN		

SCHEDULE A

No.	TITLE	Filing Number	Publication Number	Jurisdiction	Filing Date	Publication Date
1095	SUPPORT OF FLEXIBLE PDCCH MONITORING IN NEW RADIO (NR)			CN		
1096	RESOURCE ELEMENT (RE) MAPPING IN NEW RADIO (NR)			CN		
1097	ENHANCEMENT ON SCHEDULING AND HARQ-ACK FEEDBACK FOR URLLC MULTIPLEXING SCHEME FOR CONTROL/DATA CHANNEL AND DM-RS FOR NR AND ACTIVATION MECHANISM SCHEDULING ASPECTS AND SYNCHRONIZATION SIGNAL (SS) BLOCKS FOR NEW RADIO (NR) SYSTEM WITH MULTIPLE BANDWIDTH PARTS (BWPS)			CN		
1098	NEW RADIO (NR) FREQUENCY-DOMAIN RESOURCE ALLOCATION TECHNIQUES			CN		
1099	CHANNEL STATE INFORMATION CONCATENATION AND ANTENNA PORT MEASUREMENT			CN		
1100	POWER RAMPING AND CONTROL IN NEW RADIO (NR) DEVICES			CN		
1101	CONCURRENT TRANSMISSION OF ACKNOWLEDGMENT AND SCHEDULING REQUEST INFORMATION ON A CONTROL CHANNEL			CN		
1102	Performance Measurements Related to Virtualized Resources			CN		
1103	DEVICES AND METHODS FOR FLOW-CONTROL TRIGGERING AND FEEDBACK			CN		
1104	COLLISION HANDLING OF SYNCHRONIZATION SIGNAL (SS) BLOCKS			CN		
1105	RESOURCE MAPPING SCHEMES FOR CHANNEL STATE INFORMATION REPORTING ON NEW RADIO PHYSICAL UPLINK CONTROL CHANNEL			CN		
1106	RESOURCE ALLOCATION FOR SYSTEM INFORMATION BLOCK (SIB) TRANSMISSION IN A MULTIFIRE SYSTEM			CN		
1107	5G RAN1 System and Method for Robust UL Codebook based Transmission			CN		
1108	DEMODULATION REFERENCE SIGNAL FOR PHYSICAL BROADCAST CHANNEL IN NEW RADIO			CN		
1109	USER EQUIPMENT (UE) GENERATION NODE-B (GNB) AND METHODS FOR PHASE TRACKING REFERENCE SIGNAL (PT-RS) PRE-CODING			CN		
1110	PROVISIONS FACILITATING BANDWIDTH ADAPTATION TRANSITION AND MEASUREMENT			CN		

SCHEDULE A

No.	TITLE	Filing Number	Publication Number	Jurisdiction	Filing Date	Publication Date
1111	COMMON PHYSICAL DOWNLINK CONTROL CHANNEL (CPDCCH) DESIGN FOR MULTEFIRE WIDEBAND COVERAGE ENHANCEMENT (WCE) SYSTEMS			CN		
1112	IMPROVED HANDLING OF TIMER EXPIRY FOR MT CSFB			CN		
1113	BEAMFORMED MEASUREMENT FOR NEW RADIO (NR)			CN		
1114	MULTIRADIO INTERFACE FOR SOFTWARE RECONFIGURATION			CN		
1115	SYSTEMS METHODS AND DEVICES FOR LEGACY SYSTEM FALLBACK IN A CELLULAR COMMUNICATIONS SYSTEM			CN		
1116	PHYSICAL RESOURCE BLOCK INDEXING FOR COEXISTENCE OF NARROW BAND CARRIER AGGREGATION AND WIDE BAND USER EQUIPMENT IN NEW RADIO			CN		
1117	APPARATUS OF GNB TO ENABLE AN INACTIVE MODE IN DUAL CONNECTIVITY			CN		
1118	MULTEFIRE ARCHITECTURE SUPPORTING ACCESS CLASSES AND BARRING			CN		
1119	DEVICES AND METHODS FOR UE-SPECIFIC RAN-CN ASSOCIATIONS			CN		
1120	SCRAMBLING OF PHYSICAL BROADCAST CHANNEL (PBCH)			CN		
1121	SYSTEMS AND METHODS FOR DELIVERING RADIO APPLICATIONS TO RECONFIGURABLE RADIO EQUIPMENT			CN		
1122	POLAR TRANSMITTER WITH JOINED MODULATOR			CN		
1123	UPLINK DEMODULATION REFERENCE SIGNAL ENHANCEMENT IN FULL-DIMENSION MULTIPLE-INPUT MULTIPLE-OUTPUT SYSTEMS			CN		
1124	EFFICIENT USER SERVICE OR CONTENT REPRESENTATION FOR DEVICE COMMUNICATION			CN		
1125	SYSTEM AND METHOD FOR TUNING AN ANTENNA IN A WIRELESS COMMUNICATION DEVICE			CN		
1126	SYSTEMS METHODS AND DEVICES FOR IMPROVED INTER-FREQUENCY MEASUREMENT			CN		
1127	DRX OPERATION FOR UL/DL RECONFIGURATION			CN		
1128	HARQ TIMELINES FOR TDDFDD CARRIER AGGREGATION			CN		
1129	NON-ORTHOGONAL MULTIPLE ACCESS (NOMA) WIRELESS SYSTEMS AND METHODS			CN		

SCHEDULE A

No.	TITLE	Filing Number	Publication Number	Jurisdiction	Filing Date	Publication Date
1130	METHOD APPARATUS AND SYSTEM FOR MEASURING A POSITION OF A USER EQUIPMENT IN A WIRELESS NETWORK			CN		
1131	USER EQUIPMENT AND METHODS FOR MEASUREMENT OF REFERENCE SIGNAL RECEIVED QUALITY			CN		
1132	USER EQUIPMENT AND METHODS FOR HANDOVER USING MEASUREMENT REPORTING BASED ON MULTIPLE EVENTS			CN		
1133	SYSTEMS METHODS AND DEVICES FOR PRIORITIZING INTER-FREQUENCY MEASUREMENTS			CN		
1134	SYSTEMS METHODS AND DEVICES FOR CONFIGURING MEASUREMENT GAPS FOR DUAL CONNECTIVITY			CN		
1135	TECHNIQUES TO MANAGE RADIO FREQUENCY CHAINS			CN		
1136	SYSTEMS DEVICES AND METHODS FOR ALIGNMENT PROCEDURES IN DUAL-CONNECTIVITY NETWORKS			CN		
1137	PRINCIPAL EIGEN BEAM QUANTIZATION FOR MIMO SYSTEMS			CN		
1138	SYSTEMS METHODS AND DEVICES TO SUPPORT A FAST TDD CONFIGURATION INDICATION			CN		
1139	USER EQUIPMENT AND METHODS OF BEARER OPERATION FOR CARRIER AGGREGATION			CN		
1140	NEIGHBOR CELL SYSTEM INFORMATION PROVISIONING			CN		
1141	SYSTEMS METHODS AND DEVICES FOR PROXIMITY SERVICES FOR MULTI-CARRIER CAPABLE MOBILE DEVICES			CN		
1142	LOAD BALANCING SCHEMES FOR IDLE MODE USER EQUIPMENT			CN		
1143	SYSTEM AND METHOD OF MTC DEVICE OPERATIONS			CN		
1144	CODEBOOK FOR FULL-DIMENSION MULTIPLE INPUT MULTIPLE OUTPUT COMMUNICATIONS			CN		
1145	DOWNLINK CONTROL INFORMATION (DCI) DESIGN FOR LTE DEVICES			CN		
1146	SYSTEM AND METHOD FOR MEASUREMENT REPORTING IN AN UNLICENSED SPECTRUM			CN		
1147	AT COMMAND FOR SECURE ESM INFORMATION			CN		
1148	CARRIER AGGREGATION ENHANCEMENTS FOR UNLICENSED SPECTRUM AND 5G			CN		
1149	MEASUREMENT GAP ENHANCEMENT TO REDUCE MEASUREMENT DELAY			CN		
1150	SEAMLESS MOBILITY FOR 5G AND LTE SYSTEMS AND DEVICES			CN		

SCHEDULE A

No.	TITLE	Filing Number	Publication Number	Jurisdiction	Filing Date	Publication Date
1151	UPLINK RESOURCE COLLISION REDUCTION IN FD-MIMO			CN		
1152	METHODS AND APPARATUSES FOR FLEXIBLE MOBILE STEERING IN CELLULAR NETWORKS			CN		
1153	CONVERGENCE LAYER FOR 5G COMMUNICATION SYSTEMS			CN		
1154	METHOD OF MEASUREMENT GAP ENHANCEMENT			CN		
1155	AN APPARATUS AND METHOD FOR REPORTING SYSTEM FRAME NUMBER (SFN) AND SUBFRAME OFFSET IN DUAL CONNECTIVITY (DC) ENHANCEMENT			CN		
1156	REFERENCE SIGNAL FOR RECEIVE BEAM REFINEMENT IN CELLULAR SYSTEMS			CN		
1157	EMISSION SUPPRESSION FOR WIRELESS COMMUNICATION DEVICES	111653572	2395670	DE	1/4/2017	12/14/2011
1158	SYSTEMS AND METHODS FOR SPURIOUS EMISSION CANCELLATION	111806261	2432131	DE	11/30/2016	3/21/2012
1159	METHOD AND SYSTEM FOR CONTROLLING SIGNAL TRANSMISSION OF A WIRELESS COMMUNICATION DEVICE	121540777	2509219	DE		10/10/2012
1160	SYSTEM AND METHOD FOR TUNING AN ANTENNA IN A WIRELESS COMMUNICATION DEVICE	121600852	2503701	DE		9/26/2012
1161	SYSTEM AND METHOD FOR ESTIMATING AND CORRECTING PHASE SHIFT IN A WIRELESS COMMUNICATION DEVICE	121720734	2541764	DE	1/26/2015	1/2/2013
1162	SYSTEM AND METHOD FOR REDUCING OR ELIMINATING TEMPERATURE DEPENDENCE OF A COHERENT RECEIVER IN A WIRELESS COMMUNICATION DEVICE	121780407	2560286	DE		2/20/2013
1163	CONTEXT-RETENTION CONTROLLER AND METHOD FOR CONTEXT RETENTION IN WIRELESS ACCESS NETWORKS	128463478	2774432	DE	4/15/2014	9/10/2014
1164	METHOD AND SYSTEM FOR CONTROLLING SIGNAL TRANSMISSION OF A WIRELESS COMMUNICATION DEVICE	131634487	2615735	DE		7/24/2013
1165	IMPROVED CHANNEL QUALITY INFORMATION FEEDBACK TECHNIQUE	138703111	2941833	DE		11/11/2015
1166	A METHOD AND SYSTEM FOR THE MANAGEMENT OF CELL INTERFERENCE IN A WIRELESS COMMUNICATION NETWORK	138705876	2944135	DE	6/10/2015	11/18/2015
1167	IMPROVED TECHNIQUES FOR USER PLANE CONGESTION MITIGATION	138710751	2944115	DE		11/18/2015
1168	CONTENT URL AUTHENTICATION FOR DASH	138719356	2946583	DE		11/25/2015

SCHEDULE A

No.	TITLE	Filing Number	Publication Number	Jurisdiction	Filing Date	Publication Date
1169	APPARATUS SYSTEM AND METHOD OF COMMUNICATING NON-CELLULAR ACCESS NETWORK INFORMATION OVER A CELLULAR NETWORK	138721980	2946607	DE		11/25/2015
1170	NETWORK ASSISTED DEVICE TO DEVICE DISCOVERY	138753611	2959734	DE		12/30/2015
1171	SYSTEMS AND METHODS FOR ACCESS NETWORK SELECTION AND TRAFFIC ROUTING	138757877	2959726	DE		12/30/2015
1172	UE BASED D2D DISCOVERY	138757950	2959735	DE		12/30/2015
1173	USER EQUIPMENT WITH REDUCED POWER CONSUMPTION OPERATIONAL MODES	138760301	2959729	DE		12/30/2015
1174	MULTICAST-BASED GROUP COMMUNICATIONS IN AD HOC ARRANGEMENTS OF WIRELESS DEVICES	138763842	2962521	DE		1/6/2016
1175	WIRELESS LOCAL AREA NETWORK (WLAN) TRAFFIC OFFLOADING	138764816	2962485	DE		1/6/2016
1176	ENODEB REFERENCE SIGNAL REDUCTION	138802509	2979369	DE		2/3/2016
1177	QUALITY-AWARE RATE ADAPTATION TECHNIQUES FOR DASH STREAMING	138805379	2979414	DE		2/3/2016
1178	EXTENDED PAGING DISCONTINUOUS RECEPTION (DRX) CYCLES IN WIRELESS COMMUNICATION NETWORKS	138806229	2979504	DE		2/3/2016
1179	CONTROL OF WLAN SELECTION POLICIES IN ROAMING SCENARIOS	138806237	2979499	DE	8/27/2015	2/3/2016
1180	RADIO LINK MONITORING FOR EPDCCH	138808100	2982154	DE		2/10/2016
1181	WIRELESS TRANSMISSION PRECODING	138829262	2989726	DE		3/2/2016
1182	SMALL DATA COMMUNICATIONS	138840335	2995019	DE		3/16/2016
1183	MULTIPLE RADIO LINK CONTROL (RLC) GROUPS	138845284	2997670	DE		3/23/2016
1184	LINK-AWARE STREAMING ADAPTATION	147566350	2962435	DE		1/6/2016
1185	RADIO ACCESS TECHNOLOGY SELECTION IN A HETEROGENEOUS NETWORK	147571194	2962497	DE		1/6/2016
1186	TECHNIQUES FOR WIRELESS NETWORK DISCOVERY AND SELECTION SUPPORT	147725709	2979497	DE	8/20/2015	2/3/2016
1187	QUALITY OF EXPERIENCE AWARE MULTIMEDIA ADAPTIVE STREAMING	147742142	2979427	DE	8/24/2015	2/3/2016
1188	PROVISIONING OF APPLICATION CATEGORIES AT A USER EQUIPMENT DURING NETWORK CONGESTION	147760011	2979495	DE		2/3/2016
1189	NETWORK ASSISTED INTERFERENCE CANCELLATION AND SUPPRESSION WITH RESPECT TO INTERFERING CONTROL CHANNEL TRANSMISSIONS	147763288	2979413	DE		2/3/2016
1190	AN APPARATUS AND METHOD FOR CONGESTION CONTROL IN WIRELESS COMMUNICATION NETWORKS	147879878	2989829	DE		3/2/2016
1191	USER EQUIPMENT AND METHODS FOR ADAPTING SYSTEM PARAMETERS BASED ON EXTENDED PAGING CYCLES	147887418	2989842	DE		3/2/2016

SCHEDULE A

No.	TITLE	Filing Number	Publication Number	Jurisdiction	Filing Date	Publication Date
1192	WIRELESS LOCAL AREA NETWORK (WLAN) SELECTION RULES	147888325	2989833	DE		3/2/2016
1193	THROUGHPUT CHARACTERIZATION	147949820	2995022	DE	10/16/2015	3/16/2016
1194	EFFICIENT USER SERVICE OR CONTENT REPRESENTATION FOR DEVICE COMMUNICATION	148035934	3005584	DE		4/13/2016
1195	USER EQUIPMENT AND METHODS FOR CODEBOOK SUBSAMPLING FOR ENHANCED 4TX CODEBOOKS	148044126	3005636	DE		4/13/2016
1196	APPARATUS SYSTEM AND METHOD OF SELECTIVELY PROVIDING INTERNET PROTOCOL (IP) SESSION CONTINUITY	148291107	3025533	DE		6/1/2016
1197	DOWNTILT SELECTION IN A FULL DIMENSIONAL MULTIPLE-INPUT MULTIPLE-OUTPUT SYSTEM	148291487	3025435	DE		6/1/2016
1198	COOPERATIVE MULTIPLE BEAM TRANSMISSION	148337041	3031145	DE		6/15/2016
1199	POWER SAVING MODE OPTIMIZATIONS AND RELATED PROCEDURES	148339278	3030950	DE		6/15/2016
1200	SIGNALING RADIO BEARER OPTIMIZATIONS AND OTHER TECHNIQUES FOR SUPPORTING SMALL DATA TRANSMISSIONS	148341522	3031284	DE		6/15/2016
1201	USER EQUIPMENT AND METHOD FOR PACKET BASED DEVICE-TO-DEVICE (D2D) DISCOVERY IN AN LTE NETWORK	148347065	3031189	DE		6/15/2016
1202	COVERAGE EXTENSION LEVEL FOR COVERAGE LIMITED DEVICE	148347107	3031147	DE		6/15/2016
1203	METHOD APPARATUS AND SYSTEM FOR ELECTRICAL DOWNTILT ADJUSTMENT IN A MULTIPLE INPUT MULTIPLE OUTPUT SYSTEM	148347701	3031146	DE		6/15/2016
1204	METHOD AND SYSTEM OF ADVANCED INTERFERENCE CANCELLATION ON PDSCH AT THE UE	148347768	3031152	DE		6/15/2016
1205	SIGNALING FOR PROXIMITY SERVICES AND D2D DISCOVERY IN AN LTE NETWORK	148350218	3031272	DE		6/15/2016
1206	COVERAGE EXTENSION LEVEL FOR COVERAGE LIMITED DEVICE	148351059	3031150	DE		6/15/2016
1207	NETWORK MANAGEMENT	148354210	3031295	DE		6/15/2016
1208	TECHNIQUES AND CONFIGURATIONS ASSOCIATED WITH MACHINE TYPE COMMUNICATION IN ENHANCED COVERAGE MODE	148451743	3047579	DE		7/27/2016
1209	CONGESTION MEASUREMENT AND REPORTING FOR REAL-TIME DELAY-SENSITIVE APPLICATIONS	148454549	3047672	DE		7/27/2016
1210	CONGESTION CONTROL FOR SHORT MESSAGE SERVICE IN 3RD GENERATION PARTNERSHIP PROJECT (3GPP) SYSTEMS	148462658	3047674	DE		7/27/2016
1211	TRANSMISSION OF PHYSICAL BROADCAST CHANNEL (PBCH)	148464258	3047581	DE		7/27/2016

SCHEDULE A

No.	TITLE	Filing Number	Publication Number	Jurisdiction	Filing Date	Publication Date
	CONTENTS					
1212	USER EQUIPMENT AND METHODS FOR FAST HANDOVER FAILURE RECOVERY IN 3GPP LTE NETWORK	148465529	3047679	DE		7/27/2016
1213	GENERATION OF RANDOM ACCESS PREAMBLES	148466865	3047600	DE		7/27/2016
1214	MITIGATION OF TRAFFIC CONGESTION IN DUAL CONNECTIVITY SYSTEMS	148470339	3050348	DE		8/3/2016
1215	SYSTEMS METHODS AND DEVICES WITH DIFFERENT RADIO LINK FAILURE TIMERS BASED ON USER EQUIPMENT SPEED	148478043	3064027	DE		9/7/2016
1216	SYSTEMS METHODS AND DEVICES FOR TRAFFIC OFFLOADING	148482250	3050349	DE		8/3/2016
1217	REDUCTION OF PACKET RETRANSMISSIONS IN DUAL CONNECTIVITY SYSTEMS	148483605	3050352	DE		8/3/2016
1218	SIGNALING EXTENDED EARFCN AND E-UTRA BANDS IN UMTS NETWORKS	148569197	3064012	DE		9/7/2016
1219	SYSTEMS METHODS AND DEVICES FOR EFFICIENT DEVICE-TO-DEVICE CHANNEL CONTENTION	148581481	3064016	DE		9/7/2016
1220	RESOURCE SELECTION IN DEVICE TO DEVICE COMMUNICATION	148583065	3064007	DE		9/7/2016
1221	USER EQUIPMENT AND EVOLVED NODE-B AND METHODS FOR OPERATION IN A COVERAGE ENHANCEMENT MODE	148588601	3063883	DE		9/7/2016
1222	USER EQUIPMENT AND METHODS OF BEARER OPERATION FOR CARRIER AGGREGATION	148591456	3063982	DE		9/7/2016
1223	TECHNIQUES AND CONFIGURATIONS ASSOCIATED WITH USER EQUIPMENT-INITIATED CONGESTION REPORTING	148592835	3063980	DE		9/7/2016
1224	METHOD AND EVOLVED NODE-B FOR GEOGRAPHIC BIN DATA COLLECTION AND REPORTING	148773344	3092842	DE		11/16/2016
1225	SYSTEM AND METHOD FOR TUNING AN ANTENNA IN A WIRELESS COMMUNICATION DEVICE	151713989	2947781	DE		11/25/2015
1226	PHASE TRACKER FOR A PHASE LOCKED LOOP	151814787	3001567	DE		3/30/2016
1227	APPARATUS AND METHODS FOR A CAPACITIVE DIGITAL-TO- ANALOG CONVERTER BASED POWER AMPLIFIER	151943966	3035526	DE		6/22/2016
1228	CALIBRATING RF PATH DELAY AND IQ PHASE IMBALANCE FOR POLAR TRANSMIT SYSTEM	151947926	3035625	DE		6/22/2016
1229	METHOD FOR SHARING A WIRELESS TRANSMISSION MEDIUM IN A TERMINAL DEVICE AND WIRELESS COMMUNICATION DEVICE AND WIRELESS COMMUNICATION CIRCUIT RELATED THERETO	152019667	3185646	DE		6/28/2017

SCHEDULE A

No.	TITLE	Filing Number	Publication Number	Jurisdiction	Filing Date	Publication Date
1230	APPARATUS SYSTEM AND METHOD OF PROVIDING OFFLOADABILITY INFORMATION TO A USER-EQUIPMENT (UE)	157331240	3092845	DE		11/16/2016
1231	SYSTEMS AND METHODS FOR MODULATION AND CODING SCHEME SELECTION AND CONFIGURATION	157332461	3092761	DE		11/16/2016
1232	SYSTEMS METHODS AND DEVICES FOR ENHANCING SPECTRAL EFFICIENCY WITH NETWORK-ASSISTED ADVANCED RECEIVERS	157332735	3092728	DE		11/16/2016
1233	DISCONTINUOUS RECEPTION (DRX) ALIGNMENT TECHNIQUES FOR DUAL-CONNECTIVITY ARCHITECTURES	157333139	3092854	DE		11/16/2016
1234	APPARATUSES SYSTEMS AND METHODS FOR PAGING ENHANCEMENTS FOR LOW COMPLEXITY USER EQUIPMENT	157382177	3165017	DE		5/10/2017
1235	ENABLING D2D FUNCTIONALITY FOR PUBLIC SAFETY APPLICATIONS	157437674	3100522	DE		12/7/2016
1236	APPARATUS SYSTEM AND METHOD OF CONTROLLING RADIO ACCESS TECHNOLOGY (RAT) COMMUNICATION MANAGERS	157440033	3100583	DE		12/7/2016
1237	DOWNLINK CONTROL INFORMATION (DCI) DESIGN FOR LTE DEVICES	157483660	3202073	DE		8/9/2017
1238	SCHEDULING FOR AN UNLICENSED CARRIER TYPE	157524422	3111569	DE		1/4/2017
1239	CIRCUIT SWITCHED FALLBACK	157525577	3111699	DE		1/4/2017
1240	USER EQUIPMENT COMPUTER READABLE MEDIUM AND METHOD TO DETERMINE THE MOBILITY OF USER EQUIPMENT IN A LONG-TERM EVOLUTION NETWORK	157527573	3111692	DE		1/4/2017
1241	SYSTEMS METHODS AND DEVICES FOR DEVICE-TO-DEVICE COMMUNICATION MODE SELECTION	157616236	3117673	DE		1/18/2017
1242	SYSTEMS METHODS AND DEVICES FOR DEVICE-TO-DEVICE DISCOVERY AND COMMUNICATION	157619610	3117543	DE		1/18/2017
1243	SMOOTH UE TRANSFER WITHIN AN EVOLVED PACKET CORE	157628652	3198941	DE		8/2/2017
1244	METHODS SYSTEMS AND DEVICES FOR MODULATION AND CODING SCHEME SIGNALING FOR COMMON CONTROL CHANNEL	157652991	3120477	DE		1/25/2017
1245	SYSTEMS METHODS AND DEVICES FOR RADIO ACCESS TECHNOLOGY COORDINATION	157714718	3262887	DE		1/3/2018
1246	USER EQUIPMENT AND METHODS FOR HANDOVER INITIATION	157822800	3135058	DE		3/1/2017
1247	USER EQUIPMENT AND METHODS FOR MEASUREMENT OF REFERENCE SIGNAL RECEIVED QUALITY	157853805	3138316	DE		3/8/2017

SCHEDULE A

No.	TITLE	Filing Number	Publication Number	Jurisdiction	Filing Date	Publication Date
1248	SYSTEMS METHODS AND DEVICES FOR DIRECT DEVICE TO DEVICE COMMUNICATION USING ENCAPSULATION	157910936	3248437	DE		11/29/2017
1249	SYSTEMS METHODS AND DEVICES FOR DIRECT COMMUNICATION USING A PC5 PROTOCOL	157939703	3248438	DE		11/29/2017
1250	DEVICES AND METHOD FOR RETRIEVING AND UTILIZING NEIGHBORING WLAN INFORMATION FOR LTE LAA OPERATION	158028233	3149993	DE		4/5/2017
1251	VIRTUAL MOBILE MANAGEMENT ENTITY MANAGEMENT	158288944	3329703	DE		6/6/2018
1252	MEASUREMENT GAP ENHANCEMENT TO REDUCE MEASUREMENT DELAY	158288969	3295704	DE		3/21/2018
1253	VIRTUALIZED NETWORK FUNCTION MANAGEMENT	158304634	3178199	DE		6/14/2017
1254	NETWORK DISCOVERY AND BEAM ACQUISITION FOR BEAM CELLOPERATION	158346924	3329608	DE		6/6/2018
1255	SYSTEM AND METHOD OF HANDLING UPLINK TRANSMISSION COLLISION FOR ENHANCED COVERAGE MODE UES	158446815	3198778	DE		8/2/2017
1256	UPLINK TRAFFIC CONTROL METHOD IN TIGHTLY INTEGRATED WIFI/LTE	158508911	3207738	DE		8/23/2017
1257	QUANTIZED EIGEN BEAMS FOR CONTROLLING ANTENNA ARRAY ELEMENTS IN A WIRELESS NETWORK	158600882	3221982	DE		9/27/2017
1258	PDCP STATUS REPORTING FOR MULTI-RAT OFFLOADING	158927913	3298820	DE		3/28/2018
1259	METHOD AND DEVICE FOR CANCELING A BIAS OF A RADIO CHANNEL SEQUENCE	161515804	3062447	DE		8/31/2016
1260	METHOD FOR PERFORMING MOBILE COMMUNICATIONS AND MOBILE TERMINAL DEVICE	161523261	3068090	DE		9/14/2016
1261	HYSTERETIC CURRENT CONTROL WITH EVENT DITHERING	161523279	3068045	DE		9/14/2016
1262	METHOD AND DEVICE FOR PROTECTING A DATA TRANSPORT BLOCK AGAINST MEMORY ERRORS AND TRANSMISSION ERRORS	161536420	3070865	DE		9/21/2016
1263	MAPPING DATA PRIORITY TO CHANNEL QUALITY IN UPLINK CARRIER AGGREGATION	161536776	3070871	DE		9/21/2016
1264	PHASED ARRAY WEIGHTING FOR POWER EFFICIENCY IMPROVEMENT WITH HIGH PEAK-TO-AVERAGE POWER RATIO SIGNALS	161539010	3073572	DE		9/28/2016
1265	ADJUSTING POWER AMPLIFIER STIMULI BASED ON OUTPUT SIGNALS	161545793	3070839	DE		9/21/2016
1266	METHOD FOR PERFORMING MOBILE COMMUNICATIONS AND MOBILE RADIO COMMUNICATION TERMINAL DEVICE	161547146	3073785	DE		9/28/2016

SCHEDULE A

No.	TITLE	Filing Number	Publication Number	Jurisdiction	Filing Date	Publication Date
1267	APPARATUSES AND METHODS FOR COMPENSATING PHASE FLUCTUATIONS	161598743	3217554	DE		9/13/2017
1268	APPARATUSES AND METHODS FOR GENERATING A SECOND DIGITAL SIGNAL BASED ON A FIRST DIGITAL SIGNAL	161632534	3226499	DE		10/4/2017
1269	COMMUNICATION TERMINAL AND METHOD FOR ESTABLISHING A CSFB CALL	161641279	3091784	DE		11/9/2016
1270	METHOD AND DEVICE FOR MITIGATING INTERFERENCE DUE TO A WIRELESS CHARGING SIGNAL	161687496	3244542	DE		11/15/2017
1271	INTERACTIVE ZOOMING IN VIDEO CONFERENCING	161688809	3094063	DE		11/16/2016
1272	METHODS AND DEVICES FOR CIRCUIT-SWITCHED FALLBACK PROCEDURES	161689419	3244655	DE		11/15/2017
1273	TECHNIQUES FOR WIRELESS NETWORK DISCOVERY AND SELECTION SUPPORT	161690441	3086602	DE		10/26/2016
1274	DRX OPERATION FOR UL/DL RECONFIGURATION	161702980	3101824	DE		12/7/2016
1275	Architecture and Control of Analog Self-Interference Cancellation	161711882	3110018	DE		12/28/2016
1276	MOBILE TERMINAL DEVICES AND METHODS OF PERFORMING RADIO MEASUREMENTS	161711890	3110200	DE		12/28/2016
1277	DEVICE AND METHOD FOR RECOVERING SERVICES FROM NETWORK REJECTIONS TO WIRELESS COMMUNICATION DEVICES	161723937	3253172	DE		12/6/2017
1278	COMMUNICATION TERMINAL AND METHOD FOR USING A SHARED RADIO COMMUNICATION COMPONENT	161761184	3261401	DE		12/27/2017
1279	METHOD AND DEVICE FOR MITIGATING INTERFERENCE IN COLLOCATED TRANSCEIVERS	161774773	3264619	DE		1/3/2018
1280	DECODING DEVICE AND METHOD USING CONTEXT REDUNDANCY	161799705	3273604	DE		1/24/2018
1281	HYBRID I/Q AND POLAR TRANSMITTER	161845367	3148093	DE		3/29/2017
1282	APPARATUSES AND METHODS FOR MEASURING NEIGHBORING INTER-FREQUENCY OR INTER-RAT CELLS	161910120	3301975	DE		4/4/2018
1283	METHOD AND DEVICE FOR PROVIDING CQI REPORTS	161917497	3301839	DE		4/4/2018
1284	A RECEIVER A METHOD FOR CONTROLLING A RECEIVER AND A MOBILE COMMUNICATIONS DEVICE	161917752	3301818	DE		4/4/2018
1285	DOCKING STATION AND METHOD TO CONNECT TO A DOCKING STATION	161961305	3179332	DE		6/14/2017
1286	ARCHITECTURE AND CONTROL OF HYBRID COUPLER BASED ANALOG SELF-INTERFERENCE CANCELLATION	161984331	3185427	DE		6/28/2017
1287	ANTENNA ARRANGEMENT	161987573	3185358	DE		6/28/2017

SCHEDULE A

No.	TITLE	Filing Number	Publication Number	Jurisdiction	Filing Date	Publication Date
1288	RADIO RESOURCE MANAGEMENT (RRM) REPORTING FOR LICENSED ASSISTED ACCESS (LAA)	167060672	3251402	DE		12/6/2017
1289	RANDOM ACCESS PROCEDURE FOR ENHANCED COVERAGE SUPPORT	167060896	3281482	DE		2/14/2018
1290	DETERMINATION OF NUMBER OF PHYSICAL UPLINK CONTROL CHANNEL REPETITIONS FOR MACHINE TYPE COMMUNICATIONS	167167592	3353935	DE		8/1/2018
1291	CONFIGURING DOWNLINK LISTEN-BEFORE-TALK PRIORITY CLASS FOR UPLINK GRANT TRANSMISSION IN LICENSED ASSISTED ACCESS	167816131	3369283	DE		9/5/2018
1292	USER EQUIPMENT WITH ADAPTIVE TRANSMISSION POWER SCALING BASED ON DECODING CONFIDENCE	171559800	3361790	DE		8/15/2018
1293	EFFICIENT BEAM SEARCH METHODS FOR THREE-DIMENSIONAL BEAMFORMING WITH NON-PRECODED REFERENCE SIGNALS	171640972	3382904	DE		10/3/2018
1294	METHODS AND DEVICES FOR PERFORMING CIRCUIT-SWITCHED FALLBACK	171652902	3242508	DE		11/8/2017
1295	SIGNALING FOR PROXIMITY SERVICES AND D2D DISCOVERY IN AN LTE NETWORK	171654403	3209039	DE		8/23/2017
1296	APPARATUS SYSTEM AND METHOD OF COMMUNICATING NON-CELLULAR ACCESS NETWORK INFORMATION OVER A CELLULAR NETWORK	171696610	3226595	DE		10/4/2017
1297	MULTIPLE MODULATED SPUR CANCELLATION APPARATUS	171697204	3255801	DE		12/13/2017
1298	COVERAGE EXTENSION LEVEL FOR COVERAGE LIMITED DEVICE	171705387	3229517	DE		10/11/2017
1299	METHODS AND DEVICES FOR PERFORMING DUPLEX MODE DETECTION	171706245	3258620	DE		12/20/2017
1300	COMMUNICATION DEVICE AND METHOD FOR DECODING DATA FROM A NETWORK	171726003	3261279	DE		12/27/2017
1301	SHORT RANGE RADIO COMMUNICATION DEVICE AND A METHOD OF CONTROLLING A SHORT RANGE RADIO COMMUNICATION DEVICE	171779820	3264625	DE		1/3/2018
1302	UE BASED D2D DISCOVERY	172007726	3300398	DE		3/28/2018
1303	QUALITY OF EXPERIENCE AWARE MULTIMEDIA ADAPTIVE STREAMING	172083990	3324599	DE		5/23/2018
1304	DISCONTINUOUS RECEPTION (DRX) ALIGNMENT TECHNIQUES FOR DUAL-CONNECTIVITY ARCHITECTURES	181813247	3402302	DE		11/14/2018
1305	TECHNIQUES FOR FILTERING CANDIDATE CELLS	1020130151678	102013015167	DE		3/12/2015
1306	METHOD AND DEVICE FOR DETECTING INTERFERENCE SCENARIO	1020130223016	102013022301	DE	8/12/2014	6/11/2015

SCHEDULE A

No.	TITLE	Filing Number	Publication Number	Jurisdiction	Filing Date	Publication Date
1307	METHOD AND DEVICE FOR NOISE AND INTERFERENCE ESTIMATION	1020130223083		DE	9/19/2014	
1308	VORRICHTUNG UND VERFAHREN ZUR BESTIMMUNG EINER INFORMATION ÜBER EINE LEISTUNGSSCHWANKUNG EINES SENDESIGNALS	1020131081282	102013108128	DE		2/5/2015
1309	SYSTEM UND VERFAHREN ZUR LEISTUNGSSTARKEN KOHÄRENTEN SPITZENKOMPRESSIONSSCHÄTZUNG	1020131091660	102013109166	DE		3/27/2014
1310	TUNABLE WIDEBAND DISTRIBUTION CIRCUIT	1020131091695	102013109169	DE		3/27/2014
1311	MOBILE ENDGERATE UND VERFAHREN ZUM DURCHFÜHREN EINER MESSUNG	1020131098169	102013109816	DE		3/12/2015
1312	DATENVERARBEITUNGSVORRICHTUNG UND VERFAHREN ZUM BESTIMMEN EINES TAKTVERHÄLTNISSES	1020131098185	102013109818	DE		3/12/2015
1313	PHASENREGELSCHALTSTRECKE VERFAHREN ZUM ERZEUGEN EINES AUSWERTUNGSSIGNALS EIN GERÄT ZUM ERZEUGEN EINES AUSWERTUNGSSIGNALS UND EINE ELEKTRONISCHE VORRICHTUNG	1020131108237	102013110823	DE		4/2/2015
1314	A TRANSMIT AND RECEIVE CIRCUIT AND A METHOD FOR AN ANTENNA SYSTEM HAVING A FIRST ANTENNA AND A SECOND ANTENNA	1020131125743	102013112574	DE		5/21/2015
1315	METHOD AND DEVICE FOR DETECTING INTERFERENCE SCENARIO	1020131134572	102013113457	DE		6/11/2015
1316	AN APPARATUS AND A METHOD FOR PROVIDING OSCILLATOR SIGNALS	1020131134955	102013113495	DE		6/11/2015
1317	METHOD AND DEVICE FOR NOISE AND INTERFERENCE ESTIMATION	1020131138756		DE		
1318	MOBILE RADIO COMMUNICATION DEVICES AND METHODS FOR CONTROLLING A MOBILE RADIO COMMUNICATION DEVICE	1020131145000	102013114500	DE		6/25/2015
1319	VARIABLE INDUCTOR FOR LC OSCILLATOR	1020131145353	102013114535	DE		6/26/2014
1320	MOBILE RADIO COMMUNICATION DEVICES AND METHODS FOR CONTROLLING A MOBILE RADIO COMMUNICATION DEVICE	1020131146503	102013114650	DE		6/25/2015
1321	A TRANSCEIVER DEVICE AND A METHOD FOR GENERATING A COMPENSATION SIGNAL	1020131147976	102013114797	DE		6/25/2015
1322	METHOD BASEBAND SIGNAL GENERATOR AND COMPUTER PROGRAM FOR PROVIDING A BASEBAND SIGNAL	1020131148328		DE		
1323	COMMUNICATION DEVICES AND METHODS FOR CONTROLLING A COMMUNICATION DEVICE	1020131148646	102013114864	DE		6/25/2015
1324	METHODS AND DEVICES FOR CHANNEL ESTIMATION AND OFDM RECEIVER	1020140083470	102014008347	DE		12/17/2015
1325	POWER SAVING TECHNIQUE FOR DIGITAL TO TIME CONVERTERS	1020140142698	102014014269	DE		4/2/2015

SCHEDULE A

No.	TITLE	Filing Number	Publication Number	Jurisdiction	Filing Date	Publication Date
1326	COMMUNICATION DEVICE AND METHOD FOR PERFORMING RADIO COMMUNICATION	1020140198332		DE	11/23/2016	
1327	DIGITAL TO ANALOG CONVERTER CIRCUITS APPARATUS AND METHOD FOR GENERATING A HIGH FREQUENCY TRANSMISSION SIGNAL AND METHODS OF DIGITAL TO ANALOG CONVERSION	1020140198871		DE	1/18/2018	
1328	COMMUNICATION TERMINAL AND METHOD FOR DETERMINING A POWER SCALING FACTOR	1020141005953	102014100595	DE		7/23/2015
1329	METHOD AND RELATED MOBILE DEVICE FOR REFERENCE SIGNAL TIME DIFFERENCE BASED LOCALIZATION	1020141009754	102014100975	DE		8/13/2015
1330	COMMUNICATION TERMINAL AND A METHOD FOR REPORTING A CHANNEL QUALITY	1020141016599	102014101659	DE		8/13/2015
1331	AN APPARATUS AND A METHOD FOR DETERMINING INFORMATION ON AN AMPLITUDE ERROR OF A TRANSMIT SIGNAL	1020141023102	102014102310	DE		8/27/2015
1332	METHOD AND DEVICE FOR PROCESSING RESOURCE BLOCKS	1020141037022	102014103702	DE		9/24/2015
1333	METHOD AND DEVICE FOR INTERFERER SCHEDULING DETECTION AND NOISE AND INTERFERER PARAMETER ESTIMATION	1020141038533	102014103853	DE		9/24/2015
1334	METHOD AND RELATED MOBILE DEVICE FOR CELL SEARCHING WITH LOW MEMORY REQUIREMENT	1020141040902	102014104090	DE		10/15/2015
1335	QUANTIZATION CIRCUIT AND METHOD FOR QUANTIZING AN INPUT QUANTITY	1020141041429	102014104142	DE		10/1/2015
1336	COMMUNICATION DEVICE AND METHOD FOR PERFORMING RADIO COMMUNICATION	1020141041976	102014104197	DE		11/27/2014
1337	METHOD AND RELATED MOBILE DEVICE FOR DETERMINING A REFERENCE SIGNAL RECEIVED POWER	1020141044606		DE		
1338	METHOD AND RELATED MOBILE DEVICE FOR COMPLEXITY REDUCED CELL SEARCHING	1020141044614	102014104461	DE		10/1/2015
1339	A CIRCUIT AN INTEGRATED CIRCUIT A TRANSMITTER A RECEIVER A TRANSCEIVER A METHOD FOR OBTAINING CALIBRATION DATA AND A METHOD FOR GENERATING A LOCAL OSCILLATOR SIGNAL	1020141044789	102014104478	DE		10/1/2015
1340	CALIBRATED TEMPERATURE MEASUREMENT SYSTEM	1020141074998	102014107499	DE		12/4/2014
1341	VERFAHREN UND VORRICHTUNG ZUR VERARBEITUNG EINES SIGNALS BASIEREND AUF EINEM ERSTEN UND EINEM ZWEITEN KOVARIANZMASS	1020141076192	102014107619	DE		1/22/2015
1342	REDUCING TRANSMISSION SIGNAL ARTIFACT SPACING	1020141079930	102014107993	DE		12/11/2014

SCHEDULE A

No.	TITLE	Filing Number	Publication Number	Jurisdiction	Filing Date	Publication Date
1343	METHOD APPARATUS AND COMPUTER PROGRAM FOR DETERMINING AN INTERPOLATED COMPLEX VALUED SAMPLE	1020141083458	102014108345	DE		12/17/2015
1344	APPARATUS AND METHOD FOR GENERATING AN OSCILLATOR SIGNAL	1020141087747	102014108774	DE		1/7/2016
1345	MOBILE RADIO COMMUNICATION DEVICES AND METHODS FOR CONTROLLING A MOBILE RADIO COMMUNICATION DEVICE	1020141090764	102014109076	DE		12/31/2015
1346	CIRCUIT INTEGRATED CIRCUIT RECEIVER TRANSCEIVER AND A METHOD FOR AMPLIFYING AN INPUT SIGNAL	1020141091183	102014109118	DE		12/31/2015
1347	A METHOD FOR DETERMINING A TRANSMISSION DIRECTION FOR A COMMUNICATION A METHOD FOR DETERMINING A PRECODING MATRIX FOR A COMMUNICATION AND A DEVICE CONFIGURED TO DO THE SAME	1020141112849	102014111284	DE		3/12/2015
1348	RADIO COMMUNICATION DEVICES AND METHODS FOR CONTROLLING A RADIO COMMUNICATION DEVICE	1020141117352	102014111735	DE		2/18/2016
1349	TECHNIQUES FOR DETERMINING COVARIANCE MEASURES BASED ON CORRELATION CRITERIA	1020141125673	102014112567	DE		3/19/2015
1350	DIGITAL TO ANALOG CONVERTER CIRCUITS APPARATUS AND METHOD FOR GENERATING A HIGH FREQUENCY TRANSMISSION SIGNAL AND METHODS OF DIGITAL TO ANALOG CONVERSION	1020141139224	102014113922	DE		3/31/2016
1351	SUBSCRIBER IDENTITY MODULE DATA ROUTING DEVICES METHODS FOR ROUTING SUBSCRIBER IDENTITY MODULE DATA CONTROL CIRCUITS AND METHODS FOR CONTROLLING A CHANGE OF A ROUTING	1020141139232	102014113923	DE		4/9/2015
1352	METHOD AND DEVICE FOR SIMPLE MEASUREMENT OF IM2 DISTORTION PRODUCTS	1020141163389	102014116338	DE		5/12/2016
1353	AN APPARATUS AND METHOD FOR GENERATING A TRANSMIT SIGNAL	1020141190718	102014119071	DE		6/23/2016
1354	FREQUENCY GENERATOR METHOD AND COMPUTER PROGRAM	1020141192850	102014119285	DE		6/23/2016
1355	NOISE-SHAPING CIRCUIT DIGITAL-TO-TIME CONVERTER ANALOG-TO-DIGITAL CONVERTER DIGITAL-TO-ANALOG CONVERTER FREQUENCY SYNTHESIZER TRANSMITTER RECEIVER TRANSCEIVER METHOD FOR SHAPING NOISE IN AN INPUT SIGNAL	1020141194802	102014119480	DE		6/23/2016
1356	CIRCUIT AND METHOD FOR PROVIDING A RADIO FREQUENCY SIGNAL	1020141196252	102014119625	DE		6/23/2016
1357	DIGITAL-TO-TIME CONVERTER SPUR REDUCTION	1020150067834	102015006783	DE		12/31/2015

SCHEDULE A

No.	TITLE	Filing Number	Publication Number	Jurisdiction	Filing Date	Publication Date
1358	POWER OPTIMIZATION FOR CHANNEL STATE REPORTS IN A WIRELESS COMMUNICATION NETWORK	1020150097792	102015009779	DE		2/2/2017
1359	TRAJECTORY MODIFICATION TECHNIQUE FOR POLAR TRANSMITTER	1020150110098	102015011009	DE		3/31/2016
1360	Robust SNIR Estimation	1020150121766	102015012176	DE		3/16/2017
1361	CONTROLLING SUBSCRIBER IDENTITY MODULE (SIM) ACTIVE STATE IN A MULTIPLE SIMs RADIO	1020150122150	102015012215	DE		4/21/2016
1362	METHODS AND DEVICES FOR POWER SAVING	1020150124927	102015012492	DE		3/30/2017
1363	METHODS AND DEVICES FOR POWER SAVING	1020150172069		DE	4/12/2017	
1364	SYSTEMS AND METHODS TO COMPENSATE FOR MEMORY EFFECTS USING ENHANCED MEMORY POLYNOMIALS	1020151003031	102015100303	DE		8/13/2015
1365	METHOD AND DEVICE FOR CANCELING A BIAS OF A RADIO CHANNEL SEQUENCE	1020151026058	102015102605	DE		8/25/2016
1366	MULTI STANDARD SYSTEM WITH MULTI-STANDARD INTERFERER MITIGATION	1020151028166	102015102816	DE		10/1/2015
1367	METHOD AND DEVICE FOR PROTECTING A DATA TRANSPORT BLOCK AGAINST MEMORY ERRORS AND TRANSMISSION ERRORS	1020151038099		DE		
1368	AN APPARATUS AND A METHOD FOR PROVIDING OSCILLATOR SIGNALS	1020151046725	102015104672	DE		9/29/2016
1369	AN APPARATUS AND A METHOD FOR PROCESSING A SIGNAL DEPENDING ON A RECEIVED RADIO FREQUENCY SIGNAL	1020151048094	102015104809	DE		9/29/2016
1370	A RECEIVER AND A METHOD FOR REDUCING A DISTORTION COMPONENT RELATED TO A BASEBAND TRANSMIT SIGNAL IN A BASEBAND RECEIVE SIGNAL	1020151048116	102015104811	DE		9/29/2016
1371	A DIGITAL-TO-ANALOG CONVERTER CIRCUIT AN APPARATUS FOR PROVIDING A RADIO FREQUENCY TRANSMIT SIGNAL AND A METHOD OF DIGITAL-TO-ANALOG CONVERSION	1020151048140	102015104814	DE		9/29/2016
1372	SYSTEMS AND METHODS FOR ENHANCING PROBABILITY OF INTERNAL MEASUREMENTS IN CROWDED ENVIRONMENTS	1020151051664	102015105166	DE		11/19/2015
1373	CELL SEARCH METHOD AND COMMUNICATION TERMINAL	1020151056836	102015105683	DE		11/26/2015
1374	CIRCUIT INTEGRATED CIRCUIT RECEIVER TRANSCEIVER AND METHOD FOR RECEIVING A SIGNAL	1020151062011	102015106201	DE		10/27/2016
1375	METHODS AND DEVICES FOR CHANNEL ESTIMATION FOR MOBILE SYSTEMS OF INSUFFICIENT CYCLIC PREFIX LENGTH	1020151070804		DE		

SCHEDULE A

No.	TITLE	Filing Number	Publication Number	Jurisdiction	Filing Date	Publication Date
1376	SYSTEM AND METHOD FOR GENERATING A DATA DEPENDENT CLOCK FOR A DAC IN A MODULATOR	1020151071983	102015107198	DE		12/17/2015
1377	HIGH-ORDER SIGMA DELTA FOR A DIVIDER-LESS DIGITAL PHASE-LOCKED LOOP	1020151080753	102015108075	DE		12/31/2015
1378	METHODS AND DEVICES FOR PROVIDING A ROBUST DATA COMMUNICATION BETWEEN A CLIENT AND A SERVER	1020151099519	102015109951	DE		12/22/2016
1379	COMMUNICATION DEVICE AND METHOD FOR STORING DATA	1020151100274	102015110027	DE		12/29/2016
1380	METHOD AND DEVICE FOR DETERMINING CHANNEL STATE INFORMATION	1020151100665		DE		
1381	COMMUNICATION TERMINAL AND METHOD FOR CONTROLLING A CELL RESELECTION	1020151101386	102015110138	DE		2/18/2016
1382	PSEUDO CLOSED LOOP POWER CONTROL FOR WIRELESS SYSTEMS WITH MULTI TRANSMISSION	1020151101602	102015110160	DE		12/29/2016
1383	METHOD FOR MITIGATING INTERFERENCE AND INTERFERENCE MITIGATING RECEIVER	1020151102110	102015110211	DE		1/12/2017
1384	A CIRCUIT AND A METHOD FOR GENERATING A RADIO FREQUENCY SIGNAL	1020151102382	102015110238	DE		12/29/2016
1385	ACTIVE DIGITAL MODULATED SPUR CANCELLATION IN LTE - CA RF TRANSCEIVERS	1020151102730	102015110273	DE		12/29/2016
1386	APPARATUSES AND METHODS FOR SHIFTING A DIGITAL SIGNAL BY ASHIFT TIME TO PROVIDE A SHIFTED SIGNAL	1020151102757	102015110275	DE		12/29/2016
1387	A SYSTEM AND A METHOD FOR DETERMINING A CORRECTION FORAN OUTPUT VALUE OF A TIME-TO-DIGITAL CONVERTER WITHIN A PHASE-LOCKED LOOP	1020151102935	102015110293	DE		12/29/2016
1388	METHOD FOR POWER SAVING AND POWER SAVING CIRCUIT FOR A MOBILE DEVICE	1020151103303	102015110330	DE		12/29/2016
1389	METHOD AND DEVICE FOR DETECTING A TRANSMISSION FROM AN INTERFERING RADIO CELL	1020151103389	102015110338	DE		1/19/2017
1390	COMMUNICATION TERMINAL AND METHOD FOR HANDLING UPLOAD TRAFFIC CONGESTION	1020151103494	102015110349	DE		12/29/2016
1391	APPARATUS METHOD AND COMPUTER PROGRAM FOR TRANSCEIVERS OF A MOBILE COMMUNICATION SYSTEM	1020151103583	102015110358	DE		12/29/2016
1392	METHOD AND DEVICE FOR ITERATIVE DECODING A DATA TRANSFER STRUCTURE	1020151106027	102015110602	DE		2/4/2016
1393	COMMUNICATION TERMINAL AND METHOD FOR CONTROLLING A DATA TRANSMISSION	1020151110296	102015111029	DE		3/3/2016

SCHEDULE A

No.	TITLE	Filing Number	Publication Number	Jurisdiction	Filing Date	Publication Date
1394	METHOD AND RELATED MOBILE DEVICE FOR FAST BLIND DECODING	1020151115654		DE		
1395	Beam-frequency scheduler for millimeter wave downlink multiplexing	1020151116383	102015111638	DE		1/19/2017
1396	A METHOD AND A SYSTEM FOR CONTROLLING A PLURALITY OF ELECTRONIC COMPONENTS ARBITRARILY ASSIGNABLE TO A PLURALITY OF INTEGRATED CIRCUITS OF A MOBILE COMMUNICATIONS DEVICE	1020151144891	102015114489	DE		3/2/2017
1397	A RECEIVER AND A METHOD FOR REDUCING A DISTORTION COMPONENT WITHIN A BASEBAND RECEIVE SIGNAL	1020151145413	102015114541	DE		3/2/2017
1398	BEAM TRACKING CONTROL LOOP ADAPTATION BASED ON LINK QUALITY CRITERIA	1020151149753	102015114975	DE		3/9/2017
1399	A DECODER AND A METHOD OF DECODING	1020151152819	102015115281	DE		3/16/2017
1400	COMMUNICATION DEVICE AND METHOD FOR RECEIVING SIGNALS IN A FREQUENCY RANGE	1020151156989	102015115698	DE		3/23/2017
1401	RADIO RECEIVER AND METHOD FOR DETECTING A LAYER OF A MULTI-LAYERED SIGNAL	1020151157160	102015115716	DE		3/23/2017
1402	RADIO RECEIVER AND METHOD FOR PROCESSING AN UPLINK TRANSPORT BLOCK	1020151157543	102015115754	DE		3/23/2017
1403	DEVICE AND METHOD FOR MITIGATING LOWPASS FILTER GROUP DELAY	1020151157608	102015115760	DE		3/23/2017
1404	RECEIVER WITH TUNABLE RECEIVING CHAIN	1020151160714	102015116071	DE		3/23/2017
1405	AN APPARATUS AND A METHOD FOR PREDICTING A FUTURE STATE OF AN ELECTRONIC COMPONENT	1020151160943	102015116094	DE		3/23/2017
1406	COMMUNICATION TERMINAL AND METHOD FOR TRANSMITTING A SIGNALING MESSAGE	1020151162210	102015116221	DE		3/30/2017
1407	A METHOD AND AN APPARATUS FOR DETERMINING A NOISE SHAPED QUANTIZED PARAMETER CONTRIBUTING TO THE GENERATION OF AN OUTPUT SIGNAL	1020151162466	102015116246	DE		3/30/2017
1408	METHODS OF PERFORMING COMMUNICATIONS MOBILE TERMINAL DEVICES AND BASEBAND MODEMS	1020151162474	102015116247	DE		3/30/2017
1409	COMMUNICATION TERMINAL AND METHOD FOR COMMUNICATING DATA	1020151162881		DE		
1410	CELL CHANGE IN A MULTI-CARRIER OPERATING CELLULAR RADIO NETWORK	1020151216108	102015121610	DE		6/14/2017
1411	METHOD AND DEVICE FOR TEMPERATURE CONTROL IN A RADIO RECEIVER	1020151216280	102015121628	DE		6/14/2017

SCHEDULE A

No.	TITLE	Filing Number	Publication Number	Jurisdiction	Filing Date	Publication Date
1412	A CIRCUIT AND A METHOD FOR ATTACHING A TIME STAMP TO A TRACE MESSAGE	1020151219409	102015121940	DE		6/22/2017
1413	METHOD FOR SOLVING CONFLICTS IN SCHEDULING CELL BROADCAST MESSAGE RECEPTION AND IDLE MODE TASKS OF A MOBILE DEVICE	1020151221845	102015122184	DE		6/22/2017
1414	MOBILE TERMINAL DEVICE AND METHOD FOR PROCESSING SIGNALS	1020151223368	102015122336	DE		6/22/2017
1415	A MOBILE COMMUNICATIONS DEVICE AND A METHOD FOR CONTROLLING A MOBILE COMMUNICATIONS DEVICE	1020151223384	102015122338	DE		6/22/2017
1416	COMMUNICATION DEVICE AND METHOD FOR PERFORMING RADIO COMMUNICATION	1020151224313	102015122431	DE		6/22/2017
1417	COMMUNICATION DEVICE AND METHOD FOR PERFORMING RADIO COMMUNICATION	1020151224410	102015122441	DE		6/22/2017
1418	COMMUNICATION DEVICE AND METHOD FOR SIGNAL DETERMINATION	1020151224585	102015122458	DE		6/22/2017
1419	COMMUNICATION TERMINAL AND METHOD FOR SELECTING A COMMUNICATION ANTENNA	1020151225433	102015122543	DE		6/22/2017
1420	METHOD AND DEVICE FOR SCHEDULING CELL QUALITY MEASUREMENTS IN A MOBILE RECEIVER	1020151227762	102015122776	DE		6/29/2017
1421	A TRANSFORMER BASED DUPLEXER	1020160064048	102016006404	DE		12/29/2016
1422	METHODS AND DEVICES FOR MANAGING PACKET DATA NETWORK CONNECTIONS	1020161029831	102016102983	DE		8/24/2017
1423	METHOD FOR TRANSMITTING A PLURALITY OF UPLINK MESSAGES AND MOBILE RADIO COMMUNICATION TERMINAL DEVICE	1020161032212	102016103221	DE		9/29/2016
1424	PROCESSING TRACING INFORMATION OF A RADIO SIGNAL	1020161049786	102016104978	DE		9/21/2017
1425	INTERFERENCE MITIGATION IN CELLULAR NETWORKS	1020161058734	102016105873	DE		10/5/2017
1426	METHOD AND DEVICE FOR REPORTING DRIVE TEST MEASUREMENTS TO A MOBILE NETWORK	1020161059714		DE		
1427	DYNAMIC LOW IF INJECTION SIDE SELECTION	1020161096814	102016109681	DE		12/29/2016
1428	CIRCUIT ARRANGEMENT FOR CLOCK SYNCHRONIZATION	1020161112976	102016111297	DE		12/21/2017
1429	DETERMINATION CIRCUIT AND APPARATUS MOBILE TRANSCEIVER METHOD FOR DETERMINING COMPUTER PROGRAM AND STORAGE TO DETERMINE A SPATIAL TRANSMISSION MODE	1020161121282	102016112128	DE		1/4/2018
1430	REFERENCE SIGNAL POWER MEASUREMENT FILTERING	1120150066489	112015006648	DE	11/28/2017	3/8/2018

SCHEDULE A

No.	TITLE	Filing Number	Publication Number	Jurisdiction	Filing Date	Publication Date
1431	A MOBILE COMMUNICATIONS DEVICE AND A METHOD FOR CONTROLLING A MOBILE COMMUNICATIONS DEVICE RECEIVER	1120150066519	112015006651	DE	12/4/2017	4/12/2018
1432	INDICATION OF TDD UPLINK AND DOWNLINK CONFIGURATIONS	1120150067337	112015006733	DE	2/23/2018	4/19/2018
1433	PERFORMING MISSION CRITICAL COMMUNICATIONS AT A USER EQUIPMENT (UE)	1120150067795	112015006779	DE	2/6/2018	5/24/2018
1434	UCI FOR CARRIER AGGREGATION	1120150067841	112015006784	DE	2/5/2018	4/19/2018
1435	FALLBACK MECHANISM TO DETECT ENHANCED COVERAGE USAGE	1120150068023	112015006802	DE	2/13/2018	6/21/2018
1436	BEAMFORMING TRAINING REFERENCE SIGNAL DESIGN	1120150068112	112015006811	DE	2/16/2018	6/7/2018
1437	MACHINE TYPE COMMUNICATION RELAYING	1120150068198	112015006819	DE	2/12/2018	5/3/2018
1438	MANAGING ASPECTS OF RECEIVE BEAMFORMING	1120150068384	112015006838	DE	2/26/2018	5/17/2018
1439	DUAL CONNECTIVITY FOR RELIABILITY	1120150068635	112015006863	DE	2/27/2018	5/30/2018
1440	WIRELESS PERSONAL AREA NETWORK UNDERLYING CELLULAR NETWORKS	1120150068643	112015006864	DE	2/28/2018	5/17/2018
1441	METHODS AND APPARATUSES FOR CHANNEL ESTIMATION FOR NB-PBCH IN NB-LTE SYSTEMS	1120150068724	112015006872	DE	2/20/2018	5/17/2018
1442	EVOLVED NODE-B (ENB) USER EQUIPMENT (UE) AND METHODS FOR FLEXIBLE DUPLEX COMMUNICATION	1120150068937	112015006893	DE	2/12/2018	5/24/2018
1443	RADIO NETWORK ACCESS OF WEARABLE DEVICES	1120150068945	112015006894	DE	3/5/2018	6/7/2018
1444	BEAM INTERPOLATION IN MASSIVE MIMO SYSTEMS	1120150069070	112015006907	DE	3/12/2018	5/24/2018
1445	ENCODING CIRCUIT METHOD FOR TRANSMITTING DATA OVER A DATA BUS AND RADIO COMMUNICATION DEVICE	1120160028385	112016002838	DE	12/27/2017	3/29/2018
1446	A METHOD FOR FEEDBACK REPORTING AND A MOBILE COMMUNICATIONS DEVICE	1120160028601	112016002860	DE	12/20/2017	3/15/2018
1447	SIGNAL PROCESSING APPARATUS AND METHOD FOR PROCESSING A SIGNAL	1120160028628	112016002862	DE	11/27/2017	3/15/2018
1448	INTERFERENCE CANCELLATION	1120160028725	112016002872	DE	11/29/2017	3/15/2018
1449	COMMUNICATION DEVICE AND METHOD FOR STORING DATA	1120160029144	112016002914	DE	12/7/2017	3/8/2018
1450	DYNAMIC SPECTRUM ACCESS WITH FLEXIBLE BANDWIDTH FOR LICENSED SHARED ACCESS SYSTEMS	1120160035268	112016003526	DE	2/5/2018	4/26/2018
1451	CONFIGURATION OF MEASUREMENT SUBFRAMES FOR A USER EQUIPMENT (UE)	1120160036752	112016003675	DE	2/12/2018	4/26/2018
1452	CIOT ARCHITECTURE FOR EFFICIENT DATA TRANSMISSION	1120160036922	112016003692	DE	2/2/2018	4/26/2018
1453	SLICEABLE RADIO ACCESS NETWORK ARCHITECTURE FOR WIRELESS COMMUNICATIONS	1120160041039	112016004103	DE	3/9/2018	5/30/2018
1454	AIR INTERFACE SLICING ARCHITECTURE FOR WIRELESS	1120160041241	112016004124	DE	3/9/2018	5/24/2018

SCHEDULE A

No.	TITLE	Filing Number	Publication Number	Jurisdiction	Filing Date	Publication Date
	COMMUNICATION SYSTEMS					
1455	ENHANCED PAGING MECHANISM FOR CELLULAR INTERNET OF THINGS	1120160045182	112016004518	DE	3/28/2018	6/21/2018
1456	RRM REQUIREMENT FOR D2D INTER-CARRIER DISCOVERY GAP	1120160045425	112016004542	DE	3/12/2018	7/19/2018
1457	DUAL RADIO OPERATION BETWEEN ACCESS SYSTEMS USING 3GPP RADIO ACCESS TECHNOLOGY	1120160045670	112016004567	DE	3/28/2018	7/5/2018
1458	BEARER-LESS ARCHITECTURE FOR A WIRELESS CELLULAR NETWORK	1120160045700	112016004570	DE	3/7/2018	7/12/2018
1459	NETWORK INITIATED PACKET DATA NETWORK CONNECTION	1120160045956	112016004595	DE	3/9/2018	7/19/2018
1460	SAS INTERFERENCE MITIGATION OPTIONS	1120160047150	112016004715	DE	3/29/2018	9/27/2018
1461	METHOD APPARATUS AND SYSTEM FOR REPORTING BEAM REFERENCE SIGNAL RECEIVING POWER	1120160048084	112016004808	DE	3/21/2018	9/6/2018
1462	DEVICES AND METHODS FOR ROBUST MEASUREMENT AND DATA RECEIVING	1120160049129	112016004912	DE	3/28/2018	7/12/2018
1463	APPARATUSES FOR EVOLVED NODE BS CONFIGURED TO COMMUNICATE USING ROBUST PUNCTURING-BASED MULTIPLEXING	1120160049315	112016004931	DE	4/3/2018	8/2/2018
1464	METHOD APPARATUS AND SYSTEM FOR BEAM ACQUISITION IN A WIRELESS SYSTEM	1120160063563	112016006356	DE	7/31/2018	10/11/2018
1465	BEAMFORMING ARCHITECTURE FOR MULTI-BEAM MULTIPLE-INPUT-MULTIPLE-OUTPUT (MIMO)	1120160066627	112016006662	DE	8/28/2018	12/13/2018
1466	AVOIDING DISCARD OF CRITICAL VIDEO DATA IN MODEM LONG TERM EVOLUTION STACK	1120160068506	112016006850	DE	10/12/2018	2/7/2019
1467	USER EQUIPMENT (UE) AND METHODS FOR RECEPTION OF DOWNLINK DATA SERVICES	1120160069324	112016006932	DE	11/30/2018	2/28/2019
1468	A TRANSMITTER AND A METHOD FOR GENERATING AN ANALOG RADIO FREQUENCY TRANSMIT SIGNAL	1120160071884	112016007188	DE	1/23/2019	5/9/2019
1469	TRANSMIT AMPLITUDE AND PHASE MODULATION BASED ON TWO CONSTANT-AMPLITUDE PHASORS	1120170012155	112017001215	DE	8/7/2018	12/20/2018
1470	HYBRID I-Q POLAR TRANSMITTER WITH QUADRATURE LOCAL OSCILLATOR (LO) PHASE CORRECTION	1120170013275	112017001327	DE	8/16/2018	12/20/2018
1471	METHODS AND COMMUNICATION DEVICES FOR PERFORMING CELL SEARCH AND DETECTION	1120170014867	112017001486	DE	8/20/2018	12/13/2018
1472	DEVICES AND METHOD FOR CELL SEARCH AND DETECTION	1120170016142	112017001614	DE	8/29/2018	12/27/2018
1473	DUAL BEAM TRANSMISSION AND ACK (ACKNOWLEDGEMENT)/NACK (NEGATIVE ACKNOWLEDGEMENT) FEEDBACK MECHANISM FOR PUCCH (PHYSICAL UPLINK CONTROL CHANNEL)	1120170023483	112017002348	DE	10/5/2018	1/24/2019

SCHEDULE A

No.	TITLE	Filing Number	Publication Number	Jurisdiction	Filing Date	Publication Date
1474	RACH-LESS HANDOVER TO SMALL CELL	1120170024528	112017002452	DE	10/12/2018	4/4/2019
1475	TRANSPORT CHANNEL TO PHYSICAL CHANNEL MAPPING WITH SCALABLE TRANSMISSION TIME INTERVALS	1120170024617	112017002461	DE	10/10/2018	1/24/2019
1476	WIRELESS LOCAL AREA NETWORK INTEGRATION WITH INTERNET PROTOCOL SECURITY TUNNEL	1120170037417	112017003741	DE	2/22/2019	5/9/2019
1477	UE CAPABILITY SIGNALING FOR MAKE-BEFORE-BREAK AND RACH-LESS HANDOVER	1120170039207	112017003920	DE	2/1/2019	5/9/2019
1478	ENHANCED LTE-WLAN AGGREGATION X2 AND XW SUPPORT FOR HANDOVER WITHOUT WLAN TERMINATION CHANGE	1120170040043	112017004004	DE	2/7/2019	4/18/2019
1479	X2 SUPPORT FOR ENHANCED MOBILITY (EMOB)	1120170040345	112017004034	DE	2/11/2019	6/13/2019
1480	NETWORK ASSISTED SIGNALING FOR HIGH SPEED DEPLOYMENTS	1120170041740	112017004174	DE	2/22/2019	5/2/2019
1481	UE CAPABILITIES FOR ELWA	1120170042887	112017004288	DE	3/26/2019	5/23/2019
1482	USER EQUIPMENT (UE) EVOLVED NODE-B (ENB) AND METHODS FOR SIGNALING OF NEW RADIO (NR) PHYSICAL UPLINK CONTROL CHANNEL (PUCCH) ALLOCATIONS	1120170044359	112017004435	DE	4/1/2019	6/27/2019
1483	SYSTEMS AND METHODS TO OPTIMIZE REPORTING OF PHYSICAL PARAMETERS IN A TELECOMMUNICATION NETWORK	1120170051258	112017005125	DE	5/6/2019	7/11/2019
1484	SYSTEMS AND METHODS FOR BI-CASTING INFORMATION TO USER EQUIPMENT OF A WIRELESS TELECOMMUNICATION NETWORK	1120170055784	112017005578	DE	5/3/2019	8/29/2019
1485	SYSTEMS METHODS AND DEVICES FOR ALARM NOTIFICATION IN A NETWORK FUNCTION VIRTUALIZATION INFRASTRUCTURE	1120170056438	112017005643	DE	6/6/2019	8/22/2019
1486	RESOURCE ALLOCATION DESIGN AND CONFIGURABLE DM (DEMODULATION)-RS (REFERENCE SIGNAL) FOR NR (NEW RADIO) UL (UPLINK) CONTROL CHANNEL	1120170057019	112017005701	DE	6/5/2019	9/5/2019
1487	MEASUREMENT OF CROSSLINK INTERFERENCE IN A DYNAMIC TIME DIVISION DUPLEX (TDD) NEW RADIO (NR) SYSTEM	1120170057256	112017005725	DE	6/7/2019	8/14/2019
1488	INTERFERENCE MEASUREMENTS WITH UE BEAM INDICATION	1120170060427	112017006042	DE	6/26/2019	11/14/2019
1489	DESIGN OF DISCOVERY REFERENCE SIGNALS	1120170061679	112017006167	DE	6/7/2019	9/12/2019
1490	DEVICE RADAR SENSING	1120170073642		DE	8/29/2019	
1491	APPARATUS AND METHOD FOR INTERPOLATING BETWEEN A FIRST AND A SECOND SIGNAL	1120170073669		DE	8/27/2019	
1492	NEW RADIO (NR) FREQUENCY-DOMAIN RESOURCE ALLOCATION TECHNIQUES	1120180001601	112018000160	DE	6/6/2019	8/1/2019

SCHEDULE A

No.	TITLE	Filing Number	Publication Number	Jurisdiction	Filing Date	Publication Date
1493	System and Method for Phase Noise Compensation	1120180001644	112018000164	DE	6/7/2019	8/1/2019
1494	CONFIGURATION OF GRANT-LESS UPLINK TRANSMISSIONS FOR A USER EQUIPMENT	1120180001660	112018000166	DE	6/11/2019	8/1/2019
1495	CHANNEL DESIGN FOR ENHANCED MACHINE TYPE COMMUNICATION IN AN UNLICENSED SPECTRUM (eMTC-U) SYSTEM	1120180001679	112018000167	DE	6/13/2019	8/1/2019
1496	CHANNEL QUALITY INDICATOR TABLE DESIGN FOR WIDEBAND COVERAGE ENHANCEMENT IN MULTIFIRE SYSTEMS	1120180001857	112018000185	DE	6/26/2019	9/19/2019
1497	eLWA/LWIP ACTIONS UPON WLAN DISCONNECT	1120180001946	112018000194	DE	6/25/2019	10/2/2019
1498	NEW RADIO (NR) SHORT AND LONG DURATION PHYSICAL UPLINK CONTROL CHANNEL (PUCCH) DESIGN	1120180002047	112018000204	DE	6/28/2019	8/14/2019
1499	RESOURCE MAPPING SCHEMES FOR CHANNEL STATE INFORMATION REPORTING ON NEW RADIO PHYSICAL UPLINK CONTROL CHANNEL	1120180002063	112018000206	DE	6/28/2019	8/29/2019
1500	SYSTEMS METHODS AND APPARATUSES FOR CONFIGURING MEASUREMENT GAP PER FREQUENCY GROUP AND PER CELL	1120180002179	112018000217	DE	6/28/2019	8/14/2019
1501	WIDEBAND MEASUREMENTS IN NEW RADIO SYSTEMS	1120180002187	112018000218	DE	7/2/2019	9/19/2019
1502	UE CAPABILITY INDICATION TO POSITIONING SERVER	1120180002195	112018000219	DE	7/3/2019	9/5/2019
1503	RS (Reference Signal) Sequence Generation and Mapping and Precoder Assignment for NR (New Radio)	1120180002225	112018000222	DE	6/28/2019	9/5/2019
1504	PROVISIONS FACILITATING BANDWIDTH ADAPTATION TRANSITION AND MEASUREMENT	1120180002233	112018000223	DE	7/3/2019	9/5/2019
1505	ALLOCATION OF UPLINK RESOURCES BASED ON USER EQUIPMENT POWER CLASSES	1120180002349	112018000234	DE	7/2/2019	9/5/2019
1506	SYSTEM AND METHOD OF SINGLE RADIO VOICE CALL CONTINUITY HANDOVER REDUCTION	1120180002357	112018000235	DE	7/5/2019	8/14/2019
1507	HYBRID AUTOMATIC REPEAT REQUEST-ACKNOWLEDGMENT BUNDLING FOR COMMUNICATION SYSTEMS	1120180002381	112018000238	DE	7/8/2019	10/24/2019
1508	5G RAN1 method of transmission structure of synchronization signals	1120180002446	112018000244	DE	6/28/2019	9/12/2019
1509	RADIO LINK MONITORING BEAM RECOVERY AND RADIO LINK FAILURE HANDLING	1120180002462	112018000246	DE	7/8/2019	9/12/2019
1510	SYSTEMS METHODS AND APPARATUSES FOR MANAGING MULTIPLE ANCHORS FOR MULTI-HOMING	1120180003043	112018000304	DE	7/30/2019	10/2/2019
1511	RSRP METRIC FOR NEW RADIO STANDARD	1120180003191	112018000319	DE	8/2/2019	10/10/2019

SCHEDULE A

No.	TITLE	Filing Number	Publication Number	Jurisdiction	Filing Date	Publication Date
1512	Techniques for Improved Beam Management	1120180003582	112018000358	DE	8/7/2019	9/26/2019
1513	DEVICE AND METHOD TO ALLOW CROSS-TRANSMISSION TIME INTERVAL (TTI) SWITCHING AND HYBRID AUTOMATIC REPEAT REQUEST (HARQ) OPERATION IN A NEW RADIO NETWORK	1120180004708	112018000470	DE	8/19/2019	10/2/2019
1514	SUB-PRB RESOURCE ALLOCATION FOR PUSCH IN EVEN FURTHER ENHANCED MTC	1120180009572		DE	9/19/2019	
1515	FREQUENCY DEPENDENT ENVELOPE TRACKING	1120180010309		DE	7/24/2019	
1516	USER EQUIPMENT (UE) EVOLVED NODE-B (ENB) AND METHODS OF PAGING IN ACCORDANCE WITH A RELAY ARRANGEMENT	1120180012727		DE	8/12/2019	
1517	TIMING DETERMINATION TECHNIQUES FOR 5G RADIO ACCESS NETWORK CELLS	1120180015378		DE	8/23/2019	
1518	Feed-Forward Envelope Tracking	1120180017141		DE	8/27/2019	
1519	ANCHOR CHANNEL DESIGN FOR UNLICENSED INTERNET OF THINGS (IoT)	1120180019977		DE	6/26/2019	
1520	APPARATUS AND METHOD FOR PROVIDING OSCILLATOR SIGNALS	2020141057749		DE		
1521	APPARATUSES AND METHODS FOR MEASURING NEIGHBORING INTER-FREQUENCY OR INTER-RAT CELLS	2020160087496		DE	4/3/2019	
1522	TRANSPORT BLOCK DECODING OPERATION FOR HYBRID TRANSMISSION TIME INTERVAL (TTI) LENGTHS IN WIRELESS COMMUNICATION SYSTEMS	TBA		DE	9/30/2019	
1523	USER EQUIPMENT (UE) GENERATION NODE-B (GNB) AND METHODS FOR PHASE TRACKING REFERENCE SIGNAL (PT-RS) PRE-CODING	TBA		DE	5/28/2019	
1524	METHODS AND DEVICES INDICATING AT LEAST ONE OF A TEMPERATURE AND FREQUENCY DEVIATION			DE		
1525	IMPROVED HANDOVER WITH PING PONG AVOIDANCE IN A WIRELESS NETWORK			DE		
1526	APPARATUS SYSTEM AND METHOD OF CELLULAR NETWORK COMMUNICATIONS CORRESPONDING TO A NON-CELLULAR NETWORK			DE		
1527	WIRELESS LOCAL AREA NETWORK (WLAN) TRAFFIC LOAD MEASUREMENT PROVISIONING TO WIRELESS CELLULAR NETWORKS			DE		
1528	PHYSICAL RESOURCE BLOCK (PRB)-RESTRICTED INTERFERENCE AVERAGING IN A WIRELESS COMMUNICATION SYSTEM			DE		

SCHEDULE A

No.	TITLE	Filing Number	Publication Number	Jurisdiction	Filing Date	Publication Date
1529	PHYSICAL RESOURCE BLOCK (PRB)-RESTRICTED INTERFERENCE AVERAGING IN A WIRELESS COMMUNICATION SYSTEM			DE		
1530	SYSTEMS AND METHODS FOR ENHANCING PROBABILITY OF INTERNAL MEASUREMENTS IN CROWDED ENVIRONMENTS			DE		
1531	SYSTEMS METHODS AND DEVICES FOR SELECTIVE INTERFERENCE COORDINATION IN A CELLULAR PROTOCOL			DE		
1532	APPLICATION SPECIFIC CONGESTION CONTROL IN A WIRELESS NETWORK			DE		
1533	SECURITY KEY REFRESH FOR DUAL CONNECTIVITY			DE		
1534	TECHNIQUES FOR DEVICE-TO-DEVICE COMMUNICATIONS			DE		
1535	COVERAGE ENHANCEMENT AND SEMI-PERSISTENT SCHEDULING SUPPORT IN LTE-TDD SYSTEMS			DE		
1536	RADIO COMMUNICATION DEVICE AND METHOD FOR OPERATION THEREOF			DE		
1537	PRIORITIZED CELL IDENTIFICATION AND MEASUREMENT METHOD			DE		
1538	Crosstalk-Agile and Crosstalk-Adaptive LO generation and LO distribution concept for wireless transceivers			DE		
1539	APPARATUS SYSTEM AND METHOD OF ACCESS NETWORK DISCOVERY AND SELECTION FUNCTION (ANDSF) FOR TRAFFIC OFFLOADING			DE		
1540	POWER HEADROOM REPORTING WITH DUAL CONNECTIVITY			DE		
1541	CONTROL OF TRAFFIC FROM APPLICATIONS WHEN THIRD PARTY SERVERS ENCOUNTER PROBLEMS			DE		
1542	METHODS AND APPARATUS OF EVOLVED NODE B AND USER EQUIPMENT FOR CAPABILITY INFORMATION SETTING			DE		
1543	METHOD FOR PROCESSING RADIO SIGNALS AND MOBILE TERMINAL DEVICE			DE		
1544	CONTENTION FREE PHYSICAL UPLINK SHARED CONTROL CHANNEL (PUSCH) TRANSMISSION USING LISTEN BEFORE TALK			DE		
1545	ATTENTION (AT) COMMANDS FOR PACKET DATA NETWORK CONNECTION OFFLOAD			DE		
1546	CONVERGENCE LAYER FOR 5G COMMUNICATION SYSTEMS			DE		
1547	COMMUNICATION TERMINAL AND METHOD FOR RECEIVING DATA			DE		

SCHEDULE A

No.	TITLE	Filing Number	Publication Number	Jurisdiction	Filing Date	Publication Date
1548	RADIO COMMUNICATION DEVICES AND METHODS FOR PERFORMING WIRELESS PEER-TO-PEER DISCOVERY			DE		
1549	METHODS AND DEVICES FOR CELL SEARCH			DE		
1550	SYSTEM AND METHOD FOR EMERGENCY SECURE USER PLANE LOCATION POSITIONING			DE		
1551	RESTORING VIRTUAL NETWORK FUNCTION (VNF) PERFORMANCE VIA VNF RESET OF LIFECYCLE MANAGEMENT			DE		
1552	APPARATUS OF A USER EQUIPMENT ADAPTED FOR RECEIVING EMERGENCY NOTIFICATION INFORMATION USED IN MOBILE COMMUNICATION AND METHOD FOR RECEIVING EMERGENCY NOTIFICATION INFORMATION			DE		
1553	METHOD AND DEVICE FOR GAIN ADJUSTMENT IN MOBILITY MEASUREMENTS			DE		
1554	SYSTEMS AND METHODS FOR CENTRALIZED AND DECENTRALIZED COMMUNICATION MODES FOR V2X SERVICES			DE		
1555	DIGITAL-CENTRIC FULL-DUPLEX ARCHITECTURE			DE		
1556	CONTEXT-RETENTION CONTROLLER AND METHOD FOR CONTEXT RETENTION IN WIRELESS ACCESS NETWORKS	128463478	2774432	EE	4/15/2014	9/10/2014
1557	A METHOD AND SYSTEM FOR THE MANAGEMENT OF CELL INTERFERENCE IN A WIRELESS COMMUNICATION NETWORK	138705876	2944135	EE	6/10/2015	11/18/2015
1558	IMPROVED TECHNIQUES FOR USER PLANE CONGESTION MITIGATION	138710751	2944115	EE		11/18/2015
1559	CONTENT URL AUTHENTICATION FOR DASH	138719356	2946583	EE		11/25/2015
1560	APPARATUS SYSTEM AND METHOD OF COMMUNICATING NON-CELLULAR ACCESS NETWORK INFORMATION OVER A CELLULAR NETWORK	138721980	2946607	EE		11/25/2015
1561	NETWORK ASSISTED DEVICE TO DEVICE DISCOVERY	138753611	2959734	EE		12/30/2015
1562	UE BASED D2D DISCOVERY	138757950	2959735	EE		12/30/2015
1563	USER EQUIPMENT WITH REDUCED POWER CONSUMPTION OPERATIONAL MODES	138760301	2959729	EE		12/30/2015
1564	MULTICAST-BASED GROUP COMMUNICATIONS IN AD HOC ARRANGEMENTS OF WIRELESS DEVICES	138763842	2962521	EE		1/6/2016
1565	QUALITY-AWARE RATE ADAPTATION TECHNIQUES FOR DASH STREAMING	138805379	2979414	EE		2/3/2016

SCHEDULE A

No.	TITLE	Filing Number	Publication Number	Jurisdiction	Filing Date	Publication Date
1566	EXTENDED PAGING DISCONTINUOUS RECEPTION (DRX) CYCLES IN WIRELESS COMMUNICATION NETWORKS	138806229	2979504	EE		2/3/2016
1567	CONTROL OF WLAN SELECTION POLICIES IN ROAMING SCENARIOS	138806237	2979499	EE	8/27/2015	2/3/2016
1568	RADIO LINK MONITORING FOR EPDCCH	138808100	2982154	EE		2/10/2016
1569	SMALL DATA COMMUNICATIONS	138840335	2995019	EE		3/16/2016
1570	MULTIPLE RADIO LINK CONTROL (RLC) GROUPS	138845284	2997670	EE		3/23/2016
1571	LINK-AWARE STREAMING ADAPTATION	147566350	2962435	EE		1/6/2016
1572	RADIO ACCESS TECHNOLOGY SELECTION IN A HETEROGENEOUS NETWORK	147571194	2962497	EE		1/6/2016
1573	TECHNIQUES FOR WIRELESS NETWORK DISCOVERY AND SELECTION SUPPORT	147725709	2979497	EE	8/20/2015	2/3/2016
1574	QUALITY OF EXPERIENCE AWARE MULTIMEDIA ADAPTIVE STREAMING	147742142	2979427	EE	8/24/2015	2/3/2016
1575	PROVISIONING OF APPLICATION CATEGORIES AT A USER EQUIPMENT DURING NETWORK CONGESTION	147760011	2979495	EE		2/3/2016
1576	NETWORK ASSISTED INTERFERENCE CANCELLATION AND SUPPRESSION WITH RESPECT TO INTERFERING CONTROL CHANNEL TRANSMISSIONS	147763288	2979413	EE		2/3/2016
1577	AN APPARATUS AND METHOD FOR CONGESTION CONTROL IN WIRELESS COMMUNICATION NETWORKS	147879878	2989829	EE		3/2/2016
1578	THROUGHPUT CHARACTERIZATION	147949820	2995022	EE	10/16/2015	3/16/2016
1579	USER EQUIPMENT AND METHODS FOR CODEBOOK SUBSAMPLING FOR ENHANCED 4TX CODEBOOKS	148044126	3005636	EE		4/13/2016
1580	APPARATUS SYSTEM AND METHOD OF SELECTIVELY PROVIDING INTERNET PROTOCOL (IP) SESSION CONTINUITY	148291107	3025533	EE		6/1/2016
1581	DOWNTILT SELECTION IN A FULL DIMENSIONAL MULTIPLE-INPUT MULTIPLE-OUTPUT SYSTEM	148291487	3025435	EE		6/1/2016
1582	COOPERATIVE MULTIPLE BEAM TRANSMISSION	148337041	3031145	EE		6/15/2016
1583	SIGNALING RADIO BEARER OPTIMIZATIONS AND OTHER TECHNIQUES FOR SUPPORTING SMALL DATA TRANSMISSIONS	148341522	3031284	EE		6/15/2016
1584	METHOD APPARATUS AND SYSTEM FOR ELECTRICAL DOWNTILT ADJUSTMENT IN A MULTIPLE INPUT MULTIPLE OUTPUT SYSTEM	148347701	3031146	EE		6/15/2016
1585	METHOD AND SYSTEM OF ADVANCED INTERFERENCE CANCELLATION ON PDSCH AT THE UE	148347768	3031152	EE		6/15/2016
1586	SIGNALING FOR PROXIMITY SERVICES AND D2D DISCOVERY IN AN LTE NETWORK	148350218	3031272	EE		6/15/2016

SCHEDULE A

No.	TITLE	Filing Number	Publication Number	Jurisdiction	Filing Date	Publication Date
1587	NETWORK MANAGEMENT	148354210	3031295	EE		6/15/2016
1588	TECHNIQUES AND CONFIGURATIONS ASSOCIATED WITH MACHINE TYPE COMMUNICATION IN ENHANCED COVERAGE MODE	148451743	3047579	EE		7/27/2016
1589	CONGESTION MEASUREMENT AND REPORTING FOR REAL-TIME DELAY-SENSITIVE APPLICATIONS	148454549	3047672	EE		7/27/2016
1590	CONGESTION CONTROL FOR SHORT MESSAGE SERVICE IN 3RD GENERATION PARTNERSHIP PROJECT (3GPP) SYSTEMS	148462658	3047674	EE		7/27/2016
1591	USER EQUIPMENT AND METHODS FOR FAST HANDOVER FAILURE RECOVERY IN 3GPP LTE NETWORK	148465529	3047679	EE		7/27/2016
1592	GENERATION OF RANDOM ACCESS PREAMBLES	148466865	3047600	EE		7/27/2016
1593	SYSTEMS METHODS AND DEVICES WITH DIFFERENT RADIO LINK FAILURE TIMERS BASED ON USER EQUIPMENT SPEED	148478043	3064027	EE		9/7/2016
1594	SYSTEMS METHODS AND DEVICES FOR TRAFFIC OFFLOADING	148482250	3050349	EE		8/3/2016
1595	REDUCTION OF PACKET RETRANSMISSIONS IN DUAL CONNECTIVITY SYSTEMS	148483605	3050352	EE		8/3/2016
1596	SIGNALING EXTENDED EARFCN AND E-UTRA BANDS IN UMTS NETWORKS	148569197	3064012	EE		9/7/2016
1597	SYSTEMS METHODS AND DEVICES FOR EFFICIENT DEVICE-TO-DEVICE CHANNEL CONTENTION	148581481	3064016	EE		9/7/2016
1598	RESOURCE SELECTION IN DEVICE TO DEVICE COMMUNICATION	148583065	3064007	EE		9/7/2016
1599	USER EQUIPMENT AND EVOLVED NODE-B AND METHODS FOR OPERATION IN A COVERAGE ENHANCEMENT MODE	148588601	3063883	EE		9/7/2016
1600	USER EQUIPMENT AND METHODS OF BEARER OPERATION FOR CARRIER AGGREGATION	148591456	3063982	EE		9/7/2016
1601	METHOD AND EVOLVED NODE-B FOR GEOGRAPHIC BIN DATA COLLECTION AND REPORTING	148773344	3092842	EE		11/16/2016
1602	APPARATUS SYSTEM AND METHOD OF PROVIDING OFFLOADABILITY INFORMATION TO A USER-EQUIPMENT (UE)	157331240	3092845	EE		11/16/2016
1603	SYSTEMS AND METHODS FOR MODULATION AND CODING SCHEME SELECTION AND CONFIGURATION	157332461	3092761	EE		11/16/2016
1604	DISCONTINUOUS RECEPTION (DRX) ALIGNMENT TECHNIQUES FOR DUAL-CONNECTIVITY ARCHITECTURES	157333139	3092854	EE		11/16/2016
1605	DOWNLINK CONTROL INFORMATION (DCI) DESIGN FOR LTE DEVICES	157483660	3202073	EE		8/9/2017

SCHEDULE A

No.	TITLE	Filing Number	Publication Number	Jurisdiction	Filing Date	Publication Date
1606	SCHEDULING FOR AN UNLICENSED CARRIER TYPE	157524422	3111569	EE		1/4/2017
1607	CIRCUIT SWITCHED FALLBACK	157525577	3111699	EE		1/4/2017
1608	USER EQUIPMENT COMPUTER READABLE MEDIUM AND METHOD TO DETERMINE THE MOBILITY OF USER EQUIPMENT IN A LONG-TERM EVOLUTION NETWORK	157527573	3111692	EE		1/4/2017
1609	SYSTEMS METHODS AND DEVICES FOR DEVICE-TO-DEVICE COMMUNICATION MODE SELECTION	157616236	3117673	EE		1/18/2017
1610	SYSTEMS METHODS AND DEVICES FOR DEVICE-TO-DEVICE DISCOVERY AND COMMUNICATION	157619610	3117543	EE		1/18/2017
1611	SMOOTH UE TRANSFER WITHIN AN EVOLVED PACKET CORE	157628652	3198941	EE		8/2/2017
1612	METHODS SYSTEMS AND DEVICES FOR MODULATION AND CODING SCHEME SIGNALING FOR COMMON CONTROL CHANNEL	157652991	3120477	EE		1/25/2017
1613	SYSTEMS METHODS AND DEVICES FOR RADIO ACCESS TECHNOLOGY COORDINATION	157714718	3262887	EE		1/3/2018
1614	USER EQUIPMENT AND METHODS FOR HANDOVER INITIATION	157822800	3135058	EE		3/1/2017
1615	USER EQUIPMENT AND METHODS FOR MEASUREMENT OF REFERENCE SIGNAL RECEIVED QUALITY	157853805	3138316	EE		3/8/2017
1616	SYSTEMS METHODS AND DEVICES FOR DIRECT DEVICE TO DEVICE COMMUNICATION USING ENCAPSULATION	157910936	3248437	EE		11/29/2017
1617	DEVICES AND METHOD FOR RETRIEVING AND UTILIZING NEIGHBORING WLAN INFORMATION FOR LTE LAA OPERATION	158028233	3149993	EE		4/5/2017
1618	MEASUREMENT GAP ENHANCEMENT TO REDUCE MEASUREMENT DELAY	158288969	3295704	EE		3/21/2018
1619	VIRTUALIZED NETWORK FUNCTION MANAGEMENT	158304634	3178199	EE		6/14/2017
1620	NETWORK DISCOVERY AND BEAM ACQUISITION FOR BEAM CELLOPERATION	158346924	3329608	EE		6/6/2018
1621	INTERACTIVE ZOOMING IN VIDEO CONFERENCING	161688809	3094063	EE		11/16/2016
1622	TECHNIQUES FOR WIRELESS NETWORK DISCOVERY AND SELECTION SUPPORT	161690441	3086602	EE		10/26/2016
1623	DRX OPERATION FOR UL/DL RECONFIGURATION	161702980	3101824	EE		12/7/2016
1624	RADIO RESOURCE MANAGEMENT (RRM) REPORTING FOR LICENSED ASSISTED ACCESS (LAA)	167060672	3251402	EE		12/6/2017

SCHEDULE A

No.	TITLE	Filing Number	Publication Number	Jurisdiction	Filing Date	Publication Date
1625	DETERMINATION OF NUMBER OF PHYSICAL UPLINK CONTROL CHANNEL REPETITIONS FOR MACHINE TYPE COMMUNICATIONS	167167592	3353935	EE		8/1/2018
1626	SIGNALING FOR PROXIMITY SERVICES AND D2D DISCOVERY IN AN LTE NETWORK	171654403	3209039	EE		8/23/2017
1627	COVERAGE EXTENSION LEVEL FOR COVERAGE LIMITED DEVICE	171705387	3229517	EE		10/11/2017
1628	UE BASED D2D DISCOVERY	172007726	3300398	EE		3/28/2018
1629	APPARATUS SYSTEM AND METHOD OF CELLULAR NETWORK COMMUNICATIONS CORRESPONDING TO A NON-CELLULAR NETWORK			EE		
1630	CONTROL OF TRAFFIC FROM APPLICATIONS WHEN THIRD PARTY SERVERS ENCOUNTER PROBLEMS			EE		
1631	EMISSION SUPPRESSION FOR WIRELESS COMMUNICATION DEVICES	111653572	2395670	EP		12/14/2011
1632	SYSTEMS AND METHODS FOR SPURIOUS EMISSION CANCELLATION	111806261	2432131	EP		3/21/2012
1633	RECEIVER WITH FEEDBACK CONTINUOUS-TIME DELTA-SIGMA MODULATOR WITH CURRENT-MODE INPUT	111806279	2429081	EP		3/14/2012
1634	METHOD AND SYSTEM FOR CONTROLLING SIGNAL TRANSMISSION OF A WIRELESS COMMUNICATION DEVICE	121540777	2509219	EP		10/10/2012
1635	SYSTEM AND METHOD FOR TUNING AN ANTENNA IN A WIRELESS COMMUNICATION DEVICE	121600852	2503701	EP		9/26/2012
1636	SYSTEM AND METHOD FOR ESTIMATING AND CORRECTING PHASE SHIFT IN A WIRELESS COMMUNICATION DEVICE	121720734	2541764	EP		1/2/2013
1637	SYSTEM AND METHOD FOR REDUCING OR ELIMINATING TEMPERATURE DEPENDENCE OF A COHERENT RECEIVER IN A WIRELESS COMMUNICATION DEVICE	121780407	2560286	EP		2/20/2013
1638	SYSTEM AND METHOD FOR PRESERVING INPUT IMPEDANCE OF A CURRENT-MODE CIRCUIT	121789762	2557685	EP		2/13/2013
1639	SYSTEM AND METHOD FOR IMPROVING POWER EFFICIENCY OF A TRANSMITTER	121800890	2557686	EP		2/13/2013
1640	CONTEXT-RETENTION CONTROLLER AND METHOD FOR CONTEXT RETENTION IN WIRELESS ACCESS NETWORKS	128463478	2774432	EP	4/15/2014	9/10/2014
1641	METHOD AND SYSTEM FOR CONTROLLING SIGNAL TRANSMISSION OF A WIRELESS COMMUNICATION DEVICE	131634487	2615735	EP	4/12/2013	7/24/2013
1642	NETWORK ASSISTED DEVICE-TO-DEVICE DISCOVERY FOR PEER-TO-PEER APPLICATION	138514021	2915373	EP	3/31/2015	9/9/2015

SCHEDULE A

No.	TITLE	Filing Number	Publication Number	Jurisdiction	Filing Date	Publication Date
1643	IMPROVED CHANNEL QUALITY INFORMATION FEEDBACK TECHNIQUE	138703111	2941833	EP	6/3/2015	11/11/2015
1644	A METHOD AND SYSTEM FOR THE MANAGEMENT OF CELL INTERFERENCE IN A WIRELESS COMMUNICATION NETWORK	138705876	2944135	EP	6/10/2015	11/18/2015
1645	IMPROVED TECHNIQUES FOR USER PLANE CONGESTION MITIGATION	138710751	2944115	EP	6/10/2015	11/18/2015
1646	PUCCH RESOURCE COMPRESSION FOR EPDCCH IN TDD MODE	138711239	2944038	EP	6/11/2015	11/18/2015
1647	DISCOVERY SIGNAL IN CLUSTER-BASED SMALL CELL	138713516	2946606	EP	6/16/2015	11/25/2015
1648	SYSTEMS AND METHODS FOR EFFICIENT TRAFFIC OFFLOAD WITHOUT SERVICE DISRUPTION	138714167	2946591	EP	6/16/2015	11/25/2015
1649	LAWFUL INTERCEPTION FOR DEVICE-TO-DEVICE (D2D) COMMUNICATION	138714670	2946490	EP	6/16/2015	11/25/2015
1650	TECHNIQUES FOR DEPLOYING SMALL CELLS AS SECONDARY CELLS FOR USER EQUIPMENT	138714746	2946589	EP	6/16/2015	11/25/2015
1651	DASH-AWARE NETWORK APPLICATION FUNCTION (D-NAF)	138715388	2946539	EP	6/16/2015	11/25/2015
1652	SYSTEMS AND METHODS FOR MOBILITY OPTIMIZATION IN A HETEROGENEOUS NETWORK	138715511	2946604	EP	6/16/2015	11/25/2015
1653	METHOD APPARATUS AND SYSTEM FOR MANAGING BEARERS IN A WIRELESS COMMUNICATION SYSTEM	138715651	2946491	EP	6/16/2015	11/25/2015
1654	PRESENCE SERVICE USING IMS BASED DASH SERVICE	138716865	2946525	EP	6/11/2015	11/25/2015
1655	CONTENT URL AUTHENTICATION FOR DASH	138719356	2946583	EP	6/16/2015	11/25/2015
1656	TECHNIQUES AND SYSTEMS FOR EXTENDED DISCONTINUOUS RECEPTION	138719372	2946492	EP	6/16/2015	11/25/2015
1657	METHOD APPARATUS AND SYSTEM FOR HANDLING IN-DEVICE COEXISTENCE INTERFERENCE IN A WIRELESS NETWORK	138720685	2946590	EP	6/16/2015	11/25/2015
1658	CENTRALIZED PARTITIONING OF USER DEVICES IN A HETEROGENEOUS WIRELESS NETWORK	138721022	2946587	EP	6/16/2015	11/25/2015
1659	COMMUNICATION OF SECURITY KEY INFORMATION	138721089	2946582	EP	6/16/2015	11/25/2015
1660	APPARATUS SYSTEM AND METHOD OF COMMUNICATING NON-CELLULAR ACCESS NETWORK INFORMATION OVER A CELLULAR NETWORK	138721980	2946607	EP	6/11/2015	11/25/2015
1661	DYNAMIC CONFIGURATION OF UPLINK (UL) AND DOWNLINK (DL) FRAME RESOURCES FOR A TIME DIVISION DUPLEX (TDD) TRANSMISSION	138722459	2946496	EP	6/10/2015	11/25/2015
1662	REPORTING OF USER PLANE CONGESTION (UPCON) USING A UPCON CONTAINER	138753447	2959711	EP	7/18/2015	12/30/2015

SCHEDULE A

No.	TITLE	Filing Number	Publication Number	Jurisdiction	Filing Date	Publication Date
1663	NETWORK ASSISTED DEVICE TO DEVICE DISCOVERY	138753611	2959734	EP	7/14/2015	12/30/2015
1664	PATH SWITCHING PROCEDURE FOR DEVICE-TO-DEVICE COMMUNICATION	138754023	2959646	EP	7/14/2015	12/30/2015
1665	IMPROVED HANDOVER WITH PING PONG AVOIDANCE IN A WIRELESS NETWORK	138754031	2959721	EP	7/21/2015	12/30/2015
1666	SYSTEMS AND METHODS FOR WLAN NETWORK SELECTION	138754973	2959725	EP	7/14/2015	12/30/2015
1667	SYSTEMS AND METHODS FOR ACCESS NETWORK SELECTION AND TRAFFIC ROUTING	138757877	2959726	EP	7/18/2015	12/30/2015
1668	UE BASED D2D DISCOVERY	138757950	2959735	EP	7/14/2015	12/30/2015
1669	TARGETED GROUP-BASED DEVICE DISCOVERY FOR WIRELESS COMMUNICATION DEVICES	138760186	2959704	EP	7/18/2015	12/30/2015
1670	USER EQUIPMENT WITH REDUCED POWER CONSUMPTION OPERATIONAL MODES	138760301	2959729	EP	7/23/2015	12/30/2015
1671	MULTICAST-BASED GROUP COMMUNICATIONS IN AD HOC ARRANGEMENTS OF WIRELESS DEVICES	138763842	2962521	EP	7/20/2015	1/6/2016
1672	WIRELESS LOCAL AREA NETWORK (WLAN) TRAFFIC OFFLOADING	138764816	2962485	EP	7/29/2015	1/6/2016
1673	PHYSICAL RESOURCE BLOCK (PRB)-RESTRICTED INTERFERENCE AVERAGING IN A WIRELESS COMMUNICATION SYSTEM	138765441	2962406	EP	7/27/2015	1/6/2016
1674	COORDINATION OF CAPACITY AND COVERAGE OPTIMIZATION OF SELF-ORGANIZING NETWORKS	138765847	2962487	EP	7/29/2015	1/6/2016
1675	WIRELESS LOCAL AREA NETWORK (WLAN) TRAFFIC LOAD MEASUREMENT PROVISIONING TO WIRELESS CELLULAR NETWORKS	138799648	2979481	EP	8/26/2015	2/3/2016
1676	ENODEB REFERENCE SIGNAL REDUCTION	138802509	2979369	EP	8/26/2015	2/3/2016
1677	TECHNIQUES FOR BEAMFORMING TO MITIGATE MULTI-USER LEAKAGE AND INTERFERENCE	138804828	2979368	EP	8/24/2015	2/3/2016
1678	QUALITY-AWARE RATE ADAPTATION TECHNIQUES FOR DASH STREAMING	138805379	2979414	EP	8/20/2015	2/3/2016
1679	EXTENDED PAGING DISCONTINUOUS RECEPTION (DRX) CYCLES IN WIRELESS COMMUNICATION NETWORKS	138806229	2979504	EP	8/21/2015	2/3/2016
1680	CONTROL OF WLAN SELECTION POLICIES IN ROAMING SCENARIOS	138806237	2979499	EP	8/27/2015	2/3/2016
1681	ESTABLISHMENT OF CONNECTION TO THE INTERNET IN CELLULAR NETWORK	138806468	2979471	EP	8/20/2015	2/3/2016
1682	RADIO LINK MONITORING FOR EPDCCH	138808100	2982154	EP	8/26/2015	2/10/2016
1683	NETWORK-ASSISTED LTE CHANNEL ACQUISITION	138809785	2982158	EP	8/28/2015	2/10/2016

SCHEDULE A

No.	TITLE	Filing Number	Publication Number	Jurisdiction	Filing Date	Publication Date
1684	APPARATUS SYSTEM AND METHOD OF USER EQUIPMENT (UE) CENTRIC TRAFFIC ROUTING	138812128	2982216	EP	8/28/2015	2/10/2016
1685	INTERNET PROTOCOL (IP) MULTIMEDIA SUBSYSTEM (IMS) BASED PEER-TO-PEER (P2P) CONTENT DISTRIBUTION	138812342	2982078	EP	8/21/2015	2/10/2016
1686	APPARATUS SYSTEM AND METHOD OF CELLULAR NETWORK COMMUNICATIONS CORRESPONDING TO A NON-CELLULAR NETWORK	138813639	2982219	EP	8/26/2015	2/10/2016
1687	WIRELESS TRANSMISSION PRECODING	138829262	2989726	EP	9/10/2015	3/2/2016
1688	SMALL DATA COMMUNICATIONS	138840335	2995019	EP	10/15/2015	3/16/2016
1689	MULTIPLE RADIO LINK CONTROL (RLC) GROUPS	138845284	2997670	EP	10/15/2015	3/23/2016
1690	INTERFERENCE AID FREQUENCY OFFSET ESTIMATION FOR USER EQUIPMENT	138985254	3078227	EP	4/29/2016	10/12/2016
1691	HYBRID BEAMFORMING FOR DATA TRANSMISSION	139008577	2995111	EP	9/2/2015	3/16/2016
1692	NETWORK-LEVEL DEVICE PROXIMITY DETECTION	147564595	2962482	EP	7/20/2015	1/6/2016
1693	LINK-AWARE STREAMING ADAPTATION	147566350	2962435	EP	7/29/2015	1/6/2016
1694	NETWORK SELECTION IN A HETEROGENEOUS NETWORK	147569008	2962496	EP	7/29/2015	1/6/2016
1695	RADIO ACCESS TECHNOLOGY SELECTION IN A HETEROGENEOUS NETWORK	147571194	2962497	EP	7/18/2015	1/6/2016
1696	TECHNIQUES FOR WIRELESS NETWORK DISCOVERY AND SELECTION SUPPORT	147725709	2979497	EP	8/20/2015	2/3/2016
1697	HARQ TIMING DESIGN FOR A TDD SYSTEM	147728505	2979372	EP	8/26/2015	2/3/2016
1698	MANAGEMENT TECHNIQUES FOR WIRELESS NETWORK MOBILITY PROCEDURES	147735989	2979472	EP	8/14/2015	2/3/2016
1699	DEVICE-TO-DEVICE (D2D) PREAMBLE DESIGN	147740187	2979373	EP	8/26/2015	2/3/2016
1700	QUALITY OF EXPERIENCE AWARE MULTIMEDIA ADAPTIVE STREAMING	147742142	2979427	EP	8/24/2015	2/3/2016
1701	HANDOVER OF USER EQUIPMENT WITH NON-GBR BEARERS	147743553	2979493	EP	8/24/2015	2/3/2016
1702	PROVISIONING OF APPLICATION CATEGORIES AT A USER EQUIPMENT DURING NETWORK CONGESTION	147760011	2979495	EP	8/26/2015	2/3/2016
1703	NETWORK ASSISTED INTERFERENCE CANCELLATION AND SUPPRESSION WITH RESPECT TO INTERFERING CONTROL CHANNEL TRANSMISSIONS	147763288	2979413	EP	8/26/2015	2/3/2016
1704	ENHANCED NODE B AND METHOD FOR RRC CONNECTION ESTABLISHMENT FOR SMALL DATA TRANSFERS	147780746	2982055	EP	8/26/2015	2/10/2016
1705	NETWORK SCHEDULED DEVICE TO DEVICE COMMUNICATION	147783963	2982056	EP	8/26/2015	2/10/2016

SCHEDULE A

No.	TITLE	Filing Number	Publication Number	Jurisdiction	Filing Date	Publication Date
1706	USER EQUIPMENT AND METHODS FOR HANDOVER ENHANCEMENT USING SCALED TIME-TO-TRIGGER AND TIME-OF-STAY	147786578	2982178	EP	8/26/2015	2/10/2016
1707	PATTERN INDICATOR SIGNAL FOR NEW DMRS PATTERN	147789168	2982058	EP	8/28/2015	2/10/2016
1708	RECONFIGURATION CONTROL CHANNEL RESOURCE MAPPING COLLISION AVOIDANCE	147790901	2982059	EP	8/28/2015	2/10/2016
1709	FAST RADIO LINK RECOVERY FOR LTE NETWORKS	147802524	2982161	EP	8/28/2015	2/10/2016
1710	PAGING REPETITION FOR INCREASED ROBUSTNESS FOR EXTENDED PAGING CYCLES	147802706	2982197	EP	8/28/2015	2/10/2016
1711	SYSTEMS METHODS AND DEVICES FOR DISTRIBUTED SCHEDULING FOR DEVICE-TO-DEVICE INTERFERENCE MITIGATION	147875009	2989728	EP	9/10/2015	3/2/2016
1712	SYSTEM AND METHOD FOR INTERFERENCE CANCELLATION AND/OR SUPPRESSION ON PHYSICAL DOWNLINK SHARED CHANNEL AT THE USER EQUIPMENT	147877765	2989734	EP	9/10/2015	3/2/2016
1713	RADIO ACCESS TECHNOLOGY INFORMATION STORAGE IN A MOBILE NETWORK	147878748	2989830	EP	9/10/2015	3/2/2016
1714	AN APPARATUS AND METHOD FOR CONGESTION CONTROL IN WIRELESS COMMUNICATION NETWORKS	147879878	2989829	EP	9/10/2015	3/2/2016
1715	UPLINK ENHANCEMENTS FOR EFFICIENT OPERATION IN SMALL CELL ENVIRONMENTS	147880579	2989729	EP	9/10/2015	3/2/2016
1716	ARCHITECTURE FOR WEB-BASED REAL-TIME COMMUNICATIONS (WEBRTC) TO ACCESS INTERNET PROTOCOL MULTIMEDIA SUBSYSTEM (IMS)	147881924	2989772	EP	9/10/2015	3/2/2016
1717	INTERACTIVE ZOOMING IN VIDEO CONFERENCING	147885891	2989790	EP	9/10/2015	3/2/2016
1718	USER EQUIPMENT AND METHOD FOR FEEDBACK OF USER EQUIPMENT PERFORMANCE METRICS DURING DYNAMIC RADIO SWITCHING	147886741	2989827	EP	9/10/2015	3/2/2016
1719	ENODEB USER EQUIPMENT AND METHOD FOR ADAPTING SYSTEM PARAMETERS BASED ON EXTENDED PAGING CYCLES (as Amended)	147887418	2989842	EP	9/10/2015	3/2/2016
1720	WIRELESS LOCAL AREA NETWORK (WLAN) SELECTION RULES	147888325	2989833	EP	9/10/2015	3/2/2016
1721	DIAMETER/XML PROTOCOL CONVERSION	147889901	2989777	EP	9/10/2015	3/2/2016
1722	MULTIPLE-INPUT MULTIPLE-OUTPUT CELLULAR NETWORK COMMUNICATIONS	147941637	2995012	EP	10/13/2015	3/16/2016
1723	INCREASING SPECTRAL EFFICIENCY IN A HETEROGENEOUS NETWORK	147944060	2995057	EP	10/13/2015	3/16/2016

SCHEDULE A

No.	TITLE	Filing Number	Publication Number	Jurisdiction	Filing Date	Publication Date
1724	DATA RETRANSMISSIONS IN AN ANCHOR-BOOSTER NETWORK	147945547	2995030	EP	10/15/2015	3/16/2016
1725	THROUGHPUT CHARACTERIZATION	147949820	2995022	EP	10/16/2015	3/16/2016
1726	SECURITY KEY REFRESH FOR DUAL CONNECTIVITY	147953145	2995105	EP	10/16/2015	3/16/2016
1727	METHODS APPARATUSES AND SYSTEMS FOR RETRIEVING DATA FROM A WIRELESS LOCAL AREA NETWORK (WLAN) ACCESS POINT	147977763	2997696	EP	10/16/2015	3/23/2016
1728	GENERATION AND USE OF A USER EQUIPMENT LOCATION DISTRIBUTION IN A WIRELESS COMMUNICATION NETWORK	147983985	2997758	EP	10/16/2015	3/23/2016
1729	REDUCTION OF USER PLANE CONGESTION	148034713	3005784	EP	10/23/2015	4/13/2016
1730	EFFICIENT USER SERVICE OR CONTENT REPRESENTATION FOR DEVICE COMMUNICATION	148035934	3005584	EP	10/20/2015	4/13/2016
1731	PROXIMITY-BASED SERVICES DISCOVERY PRIVACY	148041247	3005758	EP	10/20/2015	4/13/2016
1732	USER EQUIPMENT AND METHODS FOR CODEBOOK SUBSAMPLING FOR ENHANCED 4TX CODEBOOKS	148044126	3005636	EP	10/20/2015	4/13/2016
1733	SELECTING A RADIO NODE FOR DATA TRAFFIC OFFLOADING	148289994	3025553	EP	12/14/2015	6/1/2016
1734	APPARATUS SYSTEM AND METHOD OF SELECTIVELY PROVIDING INTERNET PROTOCOL (IP) SESSION CONTINUITY	148291107	3025533	EP	12/7/2015	6/1/2016
1735	DOWNTILT SELECTION IN A FULL DIMENSIONAL MULTIPLE-INPUT MULTIPLE-OUTPUT SYSTEM	148291487	3025435	EP	12/9/2015	6/1/2016
1736	DYNAMICAL TIME DIVISION DUPLEX UPLINK AND DOWNLINK CONFIGURATION IN A COMMUNICATIONS NETWORK	148291578	3025441	EP	12/9/2015	6/1/2016
1737	TECHNIQUES FOR EFFICIENT SMALL CELL DISCOVERY	148291875	3025445	EP	12/15/2015	6/1/2016
1738	ENABLING DIRECT TRANSPORT LAYER CONNECTIVITY	148296791	3025484	EP	12/9/2015	6/1/2016
1739	NETWORK COVERAGE HOLE DETECTION	148297252	3025542	EP	12/28/2015	6/1/2016
1740	USER EQUIPMENT AND EVOLVED NODE-B SUPPORTING MACHINE TYPE COMMUNICATION AND SMALL DATA COMMUNICATION	148300395	3025546	EP	12/2/2015	6/1/2016
1741	SIGNALING MESSAGE SYNCHRONIZATION	148302649	3025555	EP	12/14/2015	6/1/2016
1742	COOPERATIVE MULTIPLE BEAM TRANSMISSION	148337041	3031145	EP	1/5/2016	6/15/2016
1743	USER EQUIPMENT DISTRIBUTION INFORMATION COLLECTION	148337462	3031229	EP	1/5/2016	6/15/2016
1744	APPARATUS SYSTEM AND METHOD OF STEERING DATA RADIO BEARER TRAFFIC TO A WIRELESS LOCAL AREA NETWORK LINK	148339054	3031290	EP	1/8/2016	6/15/2016

SCHEDULE A

No.	TITLE	Filing Number	Publication Number	Jurisdiction	Filing Date	Publication Date
1745	USER EQUIPMENT REALLOCATION BETWEEN NODES	148339138	3031252	EP	1/7/2016	6/15/2016
1746	POWER SAVING MODE OPTIMIZATIONS AND RELATED PROCEDURES	148339278	3030950	EP	1/8/2016	6/15/2016
1747	SIGNALING RADIO BEARER OPTIMIZATIONS AND OTHER TECHNIQUES FOR SUPPORTING SMALL DATA TRANSMISSIONS	148341522	3031284	EP	1/12/2016	6/15/2016
1748	TECHNIQUES FOR DEVICE-TO-DEVICE COMMUNICATIONS	148346414	3031287	EP	1/14/2016	6/15/2016
1749	USER EQUIPMENT AND METHOD FOR PACKET BASED DEVICE-TO-DEVICE (D2D) DISCOVERY IN AN LTE NETWORK	148347065	3031189	EP	1/7/2016	6/15/2016
1750	COVERAGE EXTENSION LEVEL FOR COVERAGE LIMITED DEVICE	148347107	3031147	EP	1/7/2016	6/15/2016
1751	METHOD APPARATUS AND SYSTEM FOR ELECTRICAL DOWNTILT ADJUSTMENT IN A MULTIPLE INPUT MULTIPLE OUTPUT SYSTEM	148347701	3031146	EP	1/5/2016	6/15/2016
1752	METHOD AND SYSTEM OF ADVANCED INTERFERENCE CANCELLATION ON PDSCH AT THE UE	148347768	3031152	EP	1/21/2016	6/15/2016
1753	SIGNALING FOR PROXIMITY SERVICES AND D2D DISCOVERY IN AN LTE NETWORK	148350218	3031272	EP	1/7/2016	6/15/2016
1754	SYSTEMS AND METHODS FOR MOBILITY STATE ESTIMATION FRAMEWORK FOR LTE NETWORK	148350796	3031224	EP	1/5/2016	6/15/2016
1755	COVERAGE EXTENSION LEVEL FOR COVERAGE LIMITED DEVICE	148351059	3031150	EP	1/7/2016	6/15/2016
1756	NETWORK MANAGEMENT	148354210	3031295	EP	1/20/2016	6/15/2016
1757	TECHNIQUES AND CONFIGURATIONS ASSOCIATED WITH MACHINE TYPE COMMUNICATION IN ENHANCED COVERAGE MODE	148451743	3047579	EP	2/17/2016	7/27/2016
1758	EARLY TTT TERMINATION	148454192	3047671	EP	2/17/2016	7/27/2016
1759	CONGESTION MEASUREMENT AND REPORTING FOR REAL-TIME DELAY-SENSITIVE APPLICATIONS	148454549	3047672	EP	2/5/2016	7/27/2016
1760	CONGESTION CONTROL FOR SHORT MESSAGE SERVICE IN 3RD GENERATION PARTNERSHIP PROJECT (3GPP) SYSTEMS	148462658	3047674	EP	1/19/2016	7/27/2016
1761	DRX OPERATION FOR UL/DL RECONFIGURATION	148462690	3047580	EP	2/11/2016	7/27/2016
1762	TECHNIQUES FOR IDENTIFYING PHYSICAL HYBRID AUTOMATIC REQUEST INDICATOR CHANNEL RESOURCES	148462799	3047599	EP	1/28/2016	7/27/2016
1763	DEVICES AND METHODS FOR SENDING OR RECEIVING ASSISTANCE DATA	148463219	3047692	EP	1/25/2016	7/27/2016
1764	TRANSMISSION OF PHYSICAL BROADCAST CHANNEL (PBCH) CONTENTS	148464258	3047581	EP	1/28/2016	7/27/2016
1765	DELIVERY OF TARGETED MEDIA	148464910	3047666	EP	2/15/2016	7/27/2016

SCHEDULE A

No.	TITLE	Filing Number	Publication Number	Jurisdiction	Filing Date	Publication Date
	CONTENT					
1766	USER EQUIPMENT AND METHODS FOR FAST HANDOVER FAILURE RECOVERY IN 3GPP LTE NETWORK	148465529	3047679	EP	2/15/2016	7/27/2016
1767	GENERATION OF RANDOM ACCESS PREAMBLES	148466865	3047600	EP	2/8/2016	7/27/2016
1768	MITIGATION OF TRAFFIC CONGESTION IN DUAL CONNECTIVITY SYSTEMS	148470339	3050348	EP	2/5/2016	8/3/2016
1769	TRANSMISSION CONTROL PROTOCOL (TCP) BASED VIDEO STREAMING	148472517	3053313	EP	2/24/2016	8/10/2016
1770	HARQ TIMELINES FOR TDDFDD CARRIER AGGREGATION	148475577	3050227	EP	2/15/2016	8/3/2016
1771	SYSTEMS METHODS AND DEVICES FOR DEVICE-TO-DEVICE DISCOVERY	148475866	3050268	EP	2/15/2016	8/3/2016
1772	SYSTEMS METHODS AND DEVICES WITH DIFFERENT RADIO LINK FAILURE TIMERS BASED ON USER EQUIPMENT SPEED	148478043	3064027	EP	2/16/2016	9/7/2016
1773	SYSTEMS METHODS AND DEVICES FOR TRAFFIC OFFLOADING	148482250	3050349	EP	2/26/2016	8/3/2016
1774	REDUCTION OF PACKET RETRANSMISSIONS IN DUAL CONNECTIVITY SYSTEMS	148483605	3050352	EP	2/5/2016	8/3/2016
1775	BEARER SPLIT RATIOS FOR DUAL CONNECTIVITY SYSTEMS	148487648	3050350	EP	2/5/2016	8/3/2016
1776	METHODS FOR APERIODIC CSI REPORT TRIGGERING FOR FLEXIBLE SUBFRAMES IN LTE TDD EIMTA SYSTEMS WITH DYNAMIC UL-DL RECONFIGURATION	148492036	3050345	EP	2/23/2016	8/3/2016
1777	USER EQUIPMENT AND PROTOCOL AND METHODS FOR DEVICE-TO-DEVICE COMMUNICATION	148494727	3050395	EP	2/16/2016	8/3/2016
1778	APPLICATION CONTEXT MIGRATION FRAMEWORK AND PROTOCOL	148498959	3049955	EP	2/5/2016	8/3/2016
1779	MOBILITY INFORMATION REPORTING	148552292	3061277	EP	3/7/2016	8/31/2016
1780	METRICS FOR TRAFFIC STEERING IN A WIRELESS NETWORK	148553506	3061286	EP	3/1/2016	8/31/2016
1781	EMERGENCY CALL HANDLING	148553639	3061275	EP	3/7/2016	8/31/2016
1782	USER EQUIPMENT (UE) SUPPORTING PACKET-SWITCHED EMERGENCY CALLS OVER IP MULTIMEDIA SUBSYSTEM (IMS)	148556525	3061312	EP	3/22/2016	8/31/2016
1783	APPARATUS SYSTEM AND METHOD OF INTERFACING BETWEEN A CELLULAR MANAGER AND A WLAN ACCESS DEVICE	148563869	3061315	EP	3/7/2016	8/31/2016
1784	COVERAGE ENHANCEMENT AND SEMI-PERSISTENT SCHEDULING SUPPORT IN LTE-TDD SYSTEMS	148564404	3061199	EP	3/16/2016	8/31/2016
1785	SIGNALING EXTENDED EARFCN AND E-UTRA BANDS IN UMTS NETWORKS	148569197	3064012	EP	3/3/2016	9/7/2016
1786	USER EQUIPMENT AND MOBILITY MANAGEMENT ENTITY AND METHODS FOR PERIODIC UPDATE IN CELLULAR NETWORKS	148573926	3064003	EP	3/3/2016	9/7/2016

SCHEDULE A

No.	TITLE	Filing Number	Publication Number	Jurisdiction	Filing Date	Publication Date
1787	SYSTEMS METHODS AND DEVICES FOR EFFICIENT DEVICE-TO-DEVICE CHANNEL CONTENTION	148581481	3064016	EP	3/16/2016	9/7/2016
1788	RESOURCE SELECTION IN DEVICE TO DEVICE COMMUNICATION	148583065	3064007	EP	3/9/2016	9/7/2016
1789	SYNCHRONIZATION OF DEVICE TO DEVICE COMMUNICATION	148583792	3064001	EP	3/21/2016	9/7/2016
1790	SIGNALLING FOR INTER-CELL D2D DISCOVERY IN AN LTE NETWORK	148584303	3063882	EP	3/9/2016	9/7/2016
1791	WIRELESS LOCAL AREA NETWORK (WLAN) CONNECTIVITY OPTION DISCOVERY	148584790	3063992	EP	3/16/2016	9/7/2016
1792	GATEWAY ARRANGEMENTS FOR WIRELESS COMMUNICATION NETWORKS	148586183	3063905	EP	3/16/2016	9/7/2016
1793	RESOURCE ALLOCATION FOR D2D DISCOVERY IN AN LTE NETWORK	148586662	3064013	EP	3/16/2016	9/7/2016
1794	USER EQUIPMENT AND EVOLVED NODE-B AND METHODS FOR OPERATION IN A COVERAGE ENHANCEMENT MODE	148588601	3063883	EP	3/16/2016	9/7/2016
1795	USER EQUIPMENT AND METHODS OF BEARER OPERATION FOR CARRIER AGGREGATION	148591456	3063982	EP	3/3/2016	9/7/2016
1796	TECHNIQUES AND CONFIGURATIONS ASSOCIATED WITH USER EQUIPMENT-INITIATED CONGESTION REPORTING	148592835	3063980	EP	3/3/2016	9/7/2016
1797	POWER HEADROOM REPORTING WITH DUAL CONNECTIVITY	148762065	3092856	EP	6/1/2016	11/16/2016
1798	AUTONOMOUS ENHANCED NODE B	148769144	3092866	EP	6/1/2016	11/16/2016
1799	METHOD AND EVOLVED NODE-B FOR GEOGRAPHIC BIN DATA COLLECTION AND REPORTING	148773344	3092842	EP	6/2/2016	11/16/2016
1800	METHOD AND APPARATUS FOR WI-FI LOCATION DETERMINATION	148876055	3123793	EP	8/25/2016	2/1/2017
1801	METHOD APPARATUS AND SYSTEM FOR MEASURING A POSITION OF A USER EQUIPMENT IN A WIRELESS NETWORK	148905771	3138333	EP	9/15/2016	3/8/2017
1802	SYSTEM AND METHOD FOR TUNING AN ANTENNA IN A WIRELESS COMMUNICATION DEVICE	151713989	2947781	EP	6/10/2015	11/25/2015
1803	PHASE TRACKER FOR A PHASE LOCKED LOOP	151814787	3001567	EP		3/30/2016
1804	METHOD OF PROCESSING RECEIVED DIGITIZED SIGNALS AND MOBILE RADIO COMMUNICATION TERMINAL DEVICE	151939568	3043602	EP		7/13/2016
1805	INJECTION LOCKED RING OSCILLATOR BASED DIGITAL-TO-TIME CONVERTER AND METHOD FOR PROVIDING A FILTERED INTERPOLATED PHASE SIGNAL	151943958	3041144	EP		7/6/2016
1806	APPARATUS AND METHODS FOR A CAPACITIVE DIGITAL-TO- ANALOG CONVERTER BASED POWER AMPLIFIER	151943966	3035526	EP		6/22/2016

SCHEDULE A

No.	TITLE	Filing Number	Publication Number	Jurisdiction	Filing Date	Publication Date
1807	CELLULAR UP-LINK HARMONIC SPURS MITIGATION IN WI-FI AND BLUETOOTH RECEIVERS	151947769	3035545	EP		6/22/2016
1808	CALIBRATING RF PATH DELAY AND IQ PHASE IMBALANCE FOR POLAR TRANSMIT SYSTEM	151947926	3035625	EP		6/22/2016
1809	HIGH-SPEED DIGITAL SIGNAL PROCESSING SYSTEMS	151948007	3038260	EP		6/29/2016
1810	RADIO COMMUNICATION DEVICE AND METHOD FOR OPERATION THEREOF	151948338	3035745	EP		6/22/2016
1811	COARSE TUNING SELECTION FOR PHASE LOCKED LOOPS	151952652	3038259	EP		6/29/2016
1812	EQUALIZER AND METHOD FOR EQUALIZING A RECEIVE SIGNAL	151995388	3179680	EP		6/14/2017
1813	APPARATUS FOR REDUCING AN AMPLITUDE IMBALANCE AND A PHASE IMBALANCE BETWEEN AN IN-PHASE SIGNAL AND A QUADRATURE SIGNAL	151999075	3182604	EP		6/21/2017
1814	COMMUNICATION TERMINAL AND METHOD FOR RECEIVING DATA	152001236	3182662	EP		6/21/2017
1815	APPARATUS FOR REDUCING A MAGNETIC COUPLING BETWEEN A FIRST ELECTRONIC CIRCUIT AND A SECOND ELECTRONIC CIRCUIT	152001517	3182618	EP		6/21/2017
1816	COMMUNICATION TERMINAL AND METHOD FOR PERFORMING A CELL SEARCH	152019147	3185616	EP		6/28/2017
1817	METHOD FOR SHARING A WIRELESS TRANSMISSION MEDIUM IN A TERMINAL DEVICE AND WIRELESS COMMUNICATION DEVICE AND WIRELESS COMMUNICATION CIRCUIT RELATED THERETO	152019667	3185646	EP		6/28/2017
1818	TECHNIQUES FOR A DEVICE TRIGGER RECALL/REPLACE PROCEDURE	157330713	3092868	EP	6/2/2016	11/16/2016
1819	APPARATUS SYSTEM AND METHOD OF PROVIDING OFFLOADABILITY INFORMATION TO A USER-EQUIPMENT (UE)	157331240	3092845	EP	6/8/2016	11/16/2016
1820	SYSTEMS METHODS AND DEVICES TO SUPPORT A FAST TDD CONFIGURATION INDICATION	157331653	3092727	EP	6/1/2016	11/16/2016
1821	CLIENT/SERVER SIGNALING COMMANDS FOR DASH	157331885	3092754	EP	6/1/2016	11/16/2016
1822	SYSTEMS METHODS AND DEVICES FOR HYBRID FULL-DIMENSIONAL MULTIPLE-INPUT MULTIPLE-OUTPUT	157332024	3092724	EP	6/3/2016	11/16/2016
1823	INTERACTIVE VIDEO CONFERENCING	157332222	3092793	EP	6/3/2016	11/16/2016
1824	SYSTEMS METHODS AND DEVICES FOR MULTIPLE SIGNAL CO-EXISTENCE IN MULTIPLE-USE FREQUENCY SPECTRUM	157332370	3092848	EP	6/1/2016	11/16/2016
1825	SYSTEMS AND METHODS FOR MODULATION AND CODING SCHEME SELECTION AND CONFIGURATION	157332461	3092761	EP	6/1/2016	11/16/2016

SCHEDULE A

No.	TITLE	Filing Number	Publication Number	Jurisdiction	Filing Date	Publication Date
1826	SYSTEMS METHODS AND DEVICES FOR APPLICATION AWARE ACCESS CONTROL FOR COMMUNICATION ON A MOBILE NETWORK	157332503	3092850	EP	6/3/2016	11/16/2016
1827	APPARATUS SYSTEM AND METHOD OF ACCESS NETWORK DISCOVERY AND SELECTION FUNCTION (ANDSF) FOR TRAFFIC OFFLOADING	157332636	3092851	EP	6/2/2016	11/16/2016
1828	SYSTEMS METHODS AND DEVICES FOR ENHANCING SPECTRAL EFFICIENCY WITH NETWORK-ASSISTED ADVANCED RECEIVERS	157332735	3092728	EP	6/1/2016	11/16/2016
1829	SYSTEMS AND METHODS FOR MODULATION AND CODING SCHEME SELECTION AND CONFIGURATION	157332982	3092762	EP	6/1/2016	11/16/2016
1830	DISCONTINUOUS RECEPTION (DRX) ALIGNMENT TECHNIQUES FOR DUAL-CONNECTIVITY ARCHITECTURES	157333139	3092854	EP	6/6/2016	11/16/2016
1831	APPARATUSES SYSTEMS AND METHODS FOR PROBABILISTIC TRANSMISSION OF DEVICE-TO-DEVICE (D2D) DISCOVERY MESSAGES	157363649	3198970	EP	2/13/2017	8/2/2017
1832	MODIFIED ARCHITECTURE FOR CLOUD RADIO ACCESS NETWORKS AND APPROACH FOR COMPRESSION OF FRONT-HAUL DATA	157368887	3192324	EP	1/25/2017	7/19/2017
1833	APPARATUSES SYSTEMS AND METHODS FOR PAGING ENHANCEMENTS FOR LOW COMPLEXITY USER EQUIPMENT	157382177	3165017	EP	11/21/2016	5/10/2017
1834	NETWORK FUNCTIONS VIRTUALIZATION	157382193	3198797	EP	2/20/2017	8/2/2017
1835	INCREASED CARRIER MONITORING	157394107	3198923	EP	2/20/2017	8/2/2017
1836	SYSTEMS METHODS AND DEVICES FOR IMPROVED INTER-FREQUENCY MEASUREMENT	157426487	3100494	EP	6/10/2016	12/7/2016
1837	SYSTEMS METHODS AND DEVICES FOR CHANNEL RESERVATION	157431024	3100508	EP	6/14/2016	12/7/2016
1838	APPLICATION SPECIFIC CONGESTION CONTROL IN A WIRELESS NETWORK	157433897	3100520	EP	6/14/2016	12/7/2016
1839	SYSTEMS METHODS AND DEVICES FOR SELECTIVE INTERFERENCE COORDINATION IN A CELLULAR PROTOCOL	157435272	3100509	EP	6/10/2016	12/7/2016
1840	APPARATUS SYSTEM AND METHOD OF SECURING COMMUNICATIONS OF A USER EQUIPMENT (UE) IN A WIRELESS LOCAL AREA NETWORK	157435637	3100483	EP	6/17/2016	12/7/2016
1841	SYSTEMS METHODS AND DEVICES FOR APPLICATION SPECIFIC ROUTING IN DUAL CONNECTIVITY	157437666	3100517	EP	6/14/2016	12/7/2016
1842	ENABLING D2D FUNCTIONALITY FOR PUBLIC SAFETY APPLICATIONS	157437674	3100522	EP	6/10/2016	12/7/2016

SCHEDULE A

No.	TITLE	Filing Number	Publication Number	Jurisdiction	Filing Date	Publication Date
1843	APPARATUS SYSTEM AND METHOD OF CONTROLLING RADIO ACCESS TECHNOLOGY (RAT) COMMUNICATION MANAGERS	157440033	3100583	EP	6/14/2016	12/7/2016
1844	CODEBOOK FOR FULL-DIMENSION MULTIPLE INPUT MULTIPLE OUTPUT COMMUNICATIONS	157473166	3198740	EP	2/16/2017	8/2/2017
1845	METHODS AND APPARATUSES OF WLAN ALARM NOTIFICATION IN CELLULAR NETWORKS	157476987	3205053	EP	3/6/2017	8/16/2017
1846	DOWNLINK CONTROL INFORMATION (DCI) DESIGN FOR LTE DEVICES	157483660	3202073	EP	3/2/2017	8/9/2017
1847	MEASUREMENT GAP PATTERNS	157514456	3111691	EP	7/25/2016	1/4/2017
1848	USER EQUIPMENT AND EVOLVED NODE-B AND METHODS FOR RANDOM ACCESS FOR MACHINE TYPE COMMUNICATION	157516360	3111582	EP	7/22/2016	1/4/2017
1849	DEVICE SYSTEM AND METHOD OF CONFIGURING A RADIO TRANSCEIVER	157516980	3111605	EP	7/22/2016	1/4/2017
1850	SCHEDULING FOR AN UNLICENSED CARRIER TYPE	157524422	3111569	EP	7/22/2016	1/4/2017
1851	CIRCUIT SWITCHED FALLBACK	157525577	3111699	EP	7/22/2016	1/4/2017
1852	USER EQUIPMENT COMPUTER READABLE MEDIUM AND METHOD TO DETERMINE THE MOBILITY OF USER EQUIPMENT IN A LONG-TERM EVOLUTION NETWORK	157527573	3111692	EP	7/22/2016	1/4/2017
1853	PRINCIPAL EIGEN BEAM QUANTIZATION FOR MIMO SYSTEMS	157567207	3175558	EP	12/6/2016	6/7/2017
1854	CONNECTION CONTROL FOR MACHINE TYPE COMMUNICATION (MTC) DEVICES	157573601	3210427	EP	3/17/2017	8/30/2017
1855	APPARATUS SYSTEM AND METHOD OF IDENTIFYING A WIRELESS DOCKING STATION	157577750	3114896	EP	7/25/2016	1/11/2017
1856	SYSTEMS AND METHODS FOR MANAGING CIRCUIT SWITCHED FALLBACK CALLS	157603556	3202182	EP	3/2/2017	8/9/2017
1857	ENHANCED NODE B UE AND METHOD FOR SELECTING CELL DISCOVERY SIGNALS IN LTE NETWORKS	157609744	3117542	EP	7/28/2016	1/18/2017
1858	APPARATUSES SYSTEMS AND METHODS FOR MEASURING QUALITY OF CELL DISCOVERY SIGNAL	157611922	3117651	EP	8/1/2016	1/18/2017
1859	METHOD AND APPARATUS TO ASSIST NETWORK TRAFFIC	157612359	3117657	EP	7/28/2016	1/18/2017
1860	SYSTEMS METHODS AND DEVICES FOR OPPORTUNISTIC NETWORKING	157614322	3117678	EP	7/28/2016	1/18/2017
1861	SYSTEMS METHODS AND DEVICES FOR DEVICE-TO-DEVICE COMMUNICATION MODE SELECTION	157616236	3117673	EP	8/9/2016	1/18/2017
1862	SYSTEMS METHODS AND DEVICES FOR DEVICE-TO-DEVICE DISCOVERY AND COMMUNICATION	157619610	3117543	EP	7/28/2016	1/18/2017

SCHEDULE A

No.	TITLE	Filing Number	Publication Number	Jurisdiction	Filing Date	Publication Date
1863	CONVEYANCE OF APPLICATION COMMUNICATION PATTERNS FROM AN EXTERNAL APPLICATION SERVER TO A 3RD GENERATION PARTNERSHIP PROJECT SYSTEM	157622671	3117688	EP	7/28/2016	1/18/2017
1864	SMOOTH UE TRANSFER WITHIN AN EVOLVED PACKET CORE	157628652	3198941	EP	2/16/2017	8/2/2017
1865	APPARATUS AND METHODS FOR REDUCING SOFT BUFFER SIZE IN MTC DEVICES	157645995	3120481	EP	8/5/2016	1/25/2017
1866	METHODS SYSTEMS AND DEVICES FOR MODULATION AND CODING SCHEME SIGNALING FOR COMMON CONTROL CHANNEL	157652991	3120477	EP	8/5/2016	1/25/2017
1867	REFERENCE SIGNAL ENHANCEMENT FOR SHARED CELL	157655564	3120491	EP	8/5/2016	1/25/2017
1868	METHOD APPARATUS AND COMPUTER READABLE MEDIUM FOR SWITCHING BETWEEN LOWER ENERGY AND HIGHER ENERGY WIRELESS COMMUNICATION TECHNIQUES	157659699	3120530	EP	7/28/2016	1/25/2017
1869	METHODS AND APPARATUSES FOR MACHINE-TYPE COMMUNICATIONS IN CELLULAR NETWORKS	157673823	3284305	EP	9/15/2017	2/21/2018
1870	USER EQUIPMENT GENERATION AND SIGNALING OF FEEDBACK FOR SUPPORTING ADAPTIVE DEMODULATION REFERENCE SIGNAL TRANSMISSION	157688839	3123654	EP	8/25/2016	2/1/2017
1871	APPARATUSES SYSTEMS AND METHODS FOR DIFFERENTIATION OF PAYLOAD SIZE FOR D2D DISCOVERY	157692609	3123769	EP	8/11/2016	2/1/2017
1872	APPARATUS SYSTEM AND METHOD OF SECURING COMMUNICATIONS OF A USER EQUIPMENT (UE) IN A WIRELESS LOCAL AREA NETWORK	157698234	3123756	EP	8/11/2016	2/1/2017
1873	TECHNIQUES FOR COORDINATED APPLICATION OF WIRELESS NETWORK SELECTION AND TRAFFIC ROUTING RULES	157702168	3123785	EP	8/30/2016	2/1/2017
1874	SYSTEMS METHODS AND DEVICES FOR DISTRIBUTED SETUP FOR A DEVICE-TO-DEVICE SESSION	157702788	3123810	EP	8/22/2016	2/1/2017
1875	CARRIAGE OF MEDIA CONTENT QUALITY INFORMATION	157707522	3207713	EP	3/13/2017	8/23/2017
1876	SYSTEMS METHODS AND DEVICES FOR RADIO ACCESS TECHNOLOGY COORDINATION	157714718	3262887	EP	8/28/2017	1/3/2018
1877	SYSTEMS METHODS AND APPARATUSES FOR BEARER SPLITTING IN MULTI-RADIO HETNET	157753120	3210412	EP	3/17/2017	8/30/2017
1878	AN APPARATUS AND A METHOD FOR GENERATING A RADIO FREQUENCY SIGNAL	157790189	3353974	EP	2/19/2018	8/1/2018
1879	AN APPARATUS AND A METHOD FOR GENERATING A RADIO FREQUENCY	157790205	3353975	EP	2/19/2018	8/1/2018

SCHEDULE A

No.	TITLE	Filing Number	Publication Number	Jurisdiction	Filing Date	Publication Date
	SIGNAL					
1880	SYSTEMS METHODS AND DEVICES FOR UPLINK TRANSMISSIONS WITH REDUCED SIGNALING OVERHEAD	157814773	3275268	EP	9/11/2017	1/31/2018
1881	USER EQUIPMENT AND METHODS FOR HANDOVER INITIATION	157822800	3135058	EP	9/13/2016	3/1/2017
1882	SYSTEM AND METHOD TO ADDRESS RESOURCE COLLISION FOR ASYMMETRIC REGION ALLOCATION	157848276	3216153	EP	4/6/2017	9/13/2017
1883	COMPUTING APPARATUS WITH CROSS-SUBFRAME SCHEDULING	157848383	3216154	EP	4/6/2017	9/13/2017
1884	LISTEN BEFORE TALK PROTOCOL SELECTION	157853078	3138350	EP	9/15/2016	3/8/2017
1885	DYNAMIC DECLARATION OF CONFORMITY AND CERTIFICATION FOR RADIO APPLICATION DISTRIBUTION	157853425	3138354	EP	9/19/2016	3/8/2017
1886	USER EQUIPMENT AND METHODS FOR MEASUREMENT OF REFERENCE SIGNAL RECEIVED QUALITY	157853805	3138316	EP	9/15/2016	3/8/2017
1887	SYSTEM AND METHOD TO MEASURE AN ERROR RATE OF A WIRELESS LOCAL AREA NETWORK	157859422	3138318	EP	9/15/2016	3/8/2017
1888	SOLUTION TO SKIP AUTHENTICATION PROCEDURE DURING CIRCUIT-SWITCHED FALLBACK (CSFB) TO SHORTEN CALL SETUP TIME	157861832	3138310	EP	9/15/2016	3/8/2017
1889	USER EQUIPMENT AND METHODS FOR HANDOVER USING MEASUREMENT REPORTING BASED ON MULTIPLE EVENTS	157863341	3138325	EP	9/19/2016	3/8/2017
1890	NON-ORTHOGONAL MULTIPLE ACCESS (NOMA) WIRELESS SYSTEMS AND METHODS	157863721	3138227	EP	9/15/2016	3/8/2017
1891	CHANNEL ACCESS PRIORITY FOR DISTRIBUTED D2D	157863770	3138342	EP	9/19/2016	3/8/2017
1892	SIMULTANEOUS SCHEDULING REQUEST TRANSMISSION IN DUAL CONNECTIVITY	157864117	3138347	EP	9/15/2016	3/8/2017
1893	APPARATUS METHOD AND SYSTEM OF ESTABLISHING A CONNECTION BETWEEN A CELLULAR NODE AND A CORE NETWORK	157864448	3138359	EP	9/15/2016	3/8/2017
1894	LOAD BALANCING IN A WIRELESS CELLULAR NETWORK BASED ON USER EQUIPMENT MOBILITY	157866443	3138326	EP	9/15/2016	3/8/2017
1895	CHANNEL RESERVATION FOR OPERATION IN AN UNLICENSED SPECTRUM	157866542	3138322	EP	9/15/2016	3/8/2017
1896	METHODS AND APPARATUSES FOR FLEXIBLE MOBILE STEERING IN CELLULAR NETWORKS	157885179	3207737	EP	3/29/2017	8/23/2017
1897	LAWFUL INTERCEPT REPORTING IN WIRELESS NETWORKS USING PUBLIC SAFETY RELAYS	157886300	3141011	EP	10/6/2016	3/15/2017

SCHEDULE A

No.	TITLE	Filing Number	Publication Number	Jurisdiction	Filing Date	Publication Date
1898	SYSTEMS METHODS AND DEVICES FOR CELL SELECTION BASED ON PRIORITIZED NODES	157886367	3141045	EP	10/7/2016	3/15/2017
1899	SYSTEMS METHODS AND DEVICES FOR CONFIGURING MEASUREMENT GAPS FOR DUAL CONNECTIVITY	157886987	3141020	EP	10/7/2016	3/15/2017
1900	MOBILITY MANAGEMENT ENTITY USER EQUIPMENT AND METHODS FOR MACHINE TYPE COMMUNICATION	157887944	3141027	EP	10/6/2016	3/15/2017
1901	SYSTEMS DEVICES AND METHODS FOR ALIGNMENT PROCEDURES IN DUAL-CONNECTIVITY NETWORKS	157888272	3141082	EP	10/7/2016	3/15/2017
1902	SYSTEMS METHODS AND DEVICES FOR PRIORITIZING INTER-FREQUENCY MEASUREMENTS	157888355	3141021	EP	10/7/2016	3/15/2017
1903	USER EQUIPMENT AND METHODS TO INDICATE POWER SAVING MODE CONFIGURATION TO RAN NODES	157888462	3141047	EP	10/6/2016	3/15/2017
1904	PRIORITIZED CELL IDENTIFICATION AND MEASUREMENT METHOD	157894551	3141023	EP	10/6/2016	3/15/2017
1905	SYSTEMS DEVICES AND METHODS FOR LONG TERM EVOLUTION AND WIRELESS LOCAL AREA INTERWORKING	157894783	3141028	EP	10/6/2016	3/15/2017
1906	TENTATIVE GRANT FOR EFFICIENT DEVICE TO DEVICE COMMUNICATIONS	157896374	3141069	EP	10/6/2016	3/15/2017
1907	APPARATUS SYSTEM AND METHOD OF COMMUNICATING WIRELESS LOCAL AREA NETWORK (WLAN) OFFLOADING INFORMATION BETWEEN CELLULAR MANAGERS	157896747	3141031	EP	10/7/2016	3/15/2017
1908	SYSTEMS METHODS AND DEVICES FOR SYNCHRONIZATION SOURCE SELECTION FOR DEVICE-TO-DEVICE COMMUNICATION	157897810	3141055	EP	10/7/2016	3/15/2017
1909	SYSTEMS METHODS AND DEVICES FOR FLEXIBLE RETRANSMISSIONS	157897828	3141030	EP	10/6/2016	3/15/2017
1910	SYSTEMS DEVICES AND METHODS FOR INTERWORKING BETWEEN A UNIVERSAL MOBILE TELECOMMUNICATIONS SYSTEM (UMTS) NETWORK AND A WIRELESS LOCAL AREA NETWORK (WLAN)	157898180	3141080	EP	8/17/2016	3/15/2017
1911	TECHNIQUES TO MANAGE RADIO FREQUENCY CHAINS	157898370	3141019	EP	10/6/2016	3/15/2017
1912	METHODS AND APPARATUSES TO FORM SELF-ORGANIZED MULTI-HOP MILLIMETER WAVE BACKHAUL LINKS	157903949	3210435	EP	3/17/2017	8/30/2017
1913	SYSTEMS AND METHODS FOR SIGNALING IN AN INCREASED CARRIER MONITORING WIRELESS COMMUNICATION ENVIRONMENT	157910852	3221992	EP	4/18/2017	9/27/2017
1914	SYSTEMS METHODS AND DEVICES FOR DIRECT DEVICE TO DEVICE COMMUNICATION USING ENCAPSULATION	157910936	3248437	EP	6/21/2017	11/29/2017

SCHEDULE A

No.	TITLE	Filing Number	Publication Number	Jurisdiction	Filing Date	Publication Date
1915	SYSTEMS METHODS AND DEVICES FOR DIRECT COMMUNICATION USING A PC5 PROTOCOL	157939703	3248438	EP	6/21/2017	11/29/2017
1916	INTERACTIVE VIDEO CONFERENCING	157944323	3228080	EP	5/1/2017	10/11/2017
1917	ENHANCED PHYSICAL DOWNLINK CONTROL CHANNEL IN MACHINE-TYPE COMMUNICATION	157982802	3216160	EP	4/5/2017	9/13/2017
1918	LISTEN BEFORE TALK (LBT) DESIGN FOR UPLINK LICENSED ASSISTED ACCESS (LAA) OPERATION IN UNLICENSED BAND	158010843	3222102	EP	4/17/2017	9/27/2017
1919	DEVICES AND METHOD FOR RETRIEVING AND UTILIZING NEIGHBORING WLAN INFORMATION FOR LTE LAA OPERATION	158028233	3149993	EP	10/19/2016	4/5/2017
1920	COMMUNICATION SYSTEMS AND METHODS	158030494	3150024	EP	10/26/2016	4/5/2017
1921	EVOLVED NODE-B USER EQUIPMENT AND METHODS FOR HYBRID AUTOMATIC REPEAT REQUEST (HARQ) COMMUNICATION	158036723	3149876	EP	10/19/2016	4/5/2017
1922	METHOD AND APPARATUS OF UE AND ENB FOR MTC WITH NARROWBAND DEPLOYMENT	158113589	3161989	EP	11/18/2016	5/3/2017
1923	COMMUNICATION SYSTEMS AND METHODS	158121830	3158826	EP	11/11/2016	4/26/2017
1924	METHODS APPARATUS OF ENB AND UE FOR MTC WITH NARROWBAND DEPLOYMENT	158127043	3161975	EP	11/18/2016	5/3/2017
1925	LTE-U COMMUNICATION DEVICES AND METHODS FOR APERIODIC BEACON AND REFERENCE SIGNAL TRANSMISSION	158128223	3158663	EP	11/11/2016	4/26/2017
1926	TRANSMISSION DESIGNS FOR RADIO ACCESS TECHNOLOGIES	158139907	3286866	EP	9/18/2017	2/28/2018
1927	PREVENTING A MOBILE DEVICE FROM REPEATING A REQUEST TOWARD A MOBILE NETWORK	158140160	3162124	EP	11/18/2016	5/3/2017
1928	AN APPARATUS AND METHOD ENHANCING QUALITY OF SERVICE ARCHITECTURE FOR LTE	158146316	3162011	EP	11/18/2016	5/3/2017
1929	TECHNIQUES FOR SECURELY RECEIVING CRITICAL COMMUNICATION CONTENT ASSOCIATED WITH A CRITICAL COMMUNICATION SERVICE	158150680	3162105	EP	11/18/2016	5/3/2017
1930	SYSTEM AND METHOD FOR MEASUREMENT REPORTING IN AN UNLICENSED SPECTRUM	158155523	3165024	EP	11/21/2016	5/10/2017
1931	JOINT PROCESSING OF TRANSPORT BLOCKS ON MULTIPLE COMPONENT CARRIERS FOR CA (CARRIER AGGREGATION) AND LAA (LICENSE ASSISTED ACCESS)	158199851	3238359	EP	5/23/2017	11/1/2017
1932	PUBLIC SAFETY DISCOVERY AND COMMUNICATION USING A UE-TO-UE RELAY	158206946	3245837	EP	6/21/2017	11/22/2017

SCHEDULE A

No.	TITLE	Filing Number	Publication Number	Jurisdiction	Filing Date	Publication Date
1933	UE-TO-NETWORK RELAY INITIATION AND CONFIGURATION	158207035	3295757	EP	10/24/2017	3/21/2018
1934	LAA (LICENSE ASSISTED ACCESS) BURST CONTROL INFORMATION	158209429	3251458	EP	6/22/2017	12/6/2017
1935	POSITIONING REFERENCE SYSTEM (PRS) DESIGN ENHANCEMENT	158234682	3281373	EP	9/7/2017	2/14/2018
1936	CONVERGENCE LAYER FOR 5G COMMUNICATION SYSTEMS	158234765	3326408	EP	1/2/2018	5/30/2018
1937	USER EQUIPMENT CAPABILITY REPORTING	158234799	3335450	EP	1/17/2018	6/20/2018
1938	OTDOA (OBSERVED TIME DIFFERENCE OF ARRIVAL) POSITIONING ENHANCEMENT BY USING HETEROGENEOUS REFERENCE SIGNALS	158239004	3250937	EP	6/21/2017	12/6/2017
1939	SYSTEM AND METHOD FOR TDD COMMUNICATIONS	158241919	3172848	EP	12/12/2016	5/31/2017
1940	NEIGHBOR CELL SYSTEM INFORMATION PROVISIONING	158241927	3172934	EP	12/12/2016	5/31/2017
1941	SYSTEMS APPARATUSES AND METHODS FOR LIGHTWEIGHT OVER-THE-AIR SIGNALING MECHANISMS IN DATA COMMUNICATIONS	158245415	3172935	EP	12/12/2016	5/31/2017
1942	COMMUNICATION OF CONGESTION CONTROL INFORMATION	158256511	3248413	EP	6/21/2017	11/29/2017
1943	SYSTEMS METHODS AND DEVICES FOR LICENSED SHARED ACCESS MANAGEMENT WITH DISTRIBUTED INFORMATION STORAGE	158257154	3245808	EP	6/21/2017	11/22/2017
1944	SYSTEMS METHODS AND DEVICES FOR SHARING A WIRELESS MEDIUM USING LISTEN BEFORE TALK	158257238	3354099	EP	2/19/2018	8/1/2018
1945	LATENCY REDUCTION TECHNIQUES FOR RADIO ACCESS NETWORKS	158261065	3304998	EP	11/3/2017	4/11/2018
1946	LAYER 2 RELAY PROTOCOLS AND MOBILITY RELAY METHOD	158262089	3326423	EP	1/2/2018	5/30/2018
1947	HARQ FEEDBACK CONFIGURATION TECHNIQUES FOR BROADBAND WIRELESS COMMUNICATION NETWORKS	158262113	3335347	EP	1/20/2018	6/20/2018
1948	IMS EMERGENCY CALL ROUTING TECHNIQUES	158262519	3332525	EP	1/20/2018	6/13/2018
1949	ADAPTIVE VIDEO STREAMING USING DYNAMIC RADIO ACCESS NETWORK INFORMATION	158262568	3311577	EP	11/14/2017	4/25/2018
1950	SYSTEMS AND METHODS FOR VARIED CELL BARRING TIMES	158264408	3175648	EP	12/22/2016	6/7/2017
1951	PDCCH DESIGN FOR NARROWBAND DEPLOYMENT	158272906	3175574	EP	1/12/2017	6/7/2017
1952	PAGING ENHANCEMENT FOR EXTENDED DRX IN CELLULAR SYSTEMS	158284091	3295719	EP	10/31/2017	3/21/2018
1953	VIRTUAL MOBILE MANAGEMENT ENTITY MANAGEMENT	158288944	3329703	EP	1/12/2018	6/6/2018
1954	MEASUREMENT GAP ENHANCEMENT TO REDUCE MEASUREMENT DELAY	158288969	3295704	EP	10/27/2017	3/21/2018

SCHEDULE A

No.	TITLE	Filing Number	Publication Number	Jurisdiction	Filing Date	Publication Date
1955	RADIO RESOURCE CONTROL IN CELLULAR/WLAN AGGREGATION	158288993	3338479	EP	1/18/2018	6/27/2018
1956	ENHANCED SUPPORT VEHICLE-TO-ANYTHING (V2X) COMMUNICATION	158289017	3314918	EP	11/15/2017	5/2/2018
1957	CONTROL OF TRAFFIC FROM APPLICATIONS WHEN THIRD PARTY SERVERS ENCOUNTER PROBLEMS	158300095	3178200	EP	1/11/2017	6/14/2017
1958	SYSTEMS METHODS AND DEVICES FOR PROXIMITY SERVICES FOR MULTI-CARRIER CAPABLE MOBILE DEVICES	158300509	3178286	EP	1/11/2017	6/14/2017
1959	VIRTUALIZED NETWORK FUNCTION MANAGEMENT	158304634	3178199	EP	1/11/2017	6/14/2017
1960	CONTENTION FREE PHYSICAL UPLINK SHARED CONTROL CHANNEL (PUSCH) TRANSMISSION USING LISTEN BEFORE TALK	158312504	3295727	EP	10/26/2017	3/21/2018
1961	METHODS AND APPARATUS OF EVOLVED NODE B AND USER EQUIPMENT FOR CAPABILITY INFORMATION SETTING	158313973	3180930	EP	1/17/2017	6/21/2017
1962	LOAD BALANCING SCHEMES FOR IDLE MODE USER EQUIPMENT	158319483	3180941	EP	1/11/2017	6/21/2017
1963	NETWORK DISCOVERY AND BEAM ACQUISITION FOR BEAM CELLOPERATION	158346924	3329608	EP	1/11/2018	6/6/2018
1964	ENERGY DETECTION THRESHOLD ADAPTATION FOR LICENSED ASSISTED ACCESS OF LTE IN UNLICENSED BAND	158346965	3335508	EP	1/17/2018	6/20/2018
1965	RECEIVED SIGNAL STRENGTH INDICATOR MEASUREMENT FOR LICENSED ASSISTED ACCESS	158346981	3335468	EP	1/18/2018	6/20/2018
1966	DISCOVERY REFERENCE SIGNAL TRANSMISSION FOR LTE IN UNLICENSED BAND	158410266	3335353	EP	1/18/2018	6/20/2018
1967	APPARATUS SYSTEM AND METHOD OF RELAY BACKHAULING WITH MILLIMETER WAVE CARRIER AGGREGATION	158416677	3195496	EP	2/2/2017	7/26/2017
1968	TRANSMISSION OF COMMON CONTROL MESSAGES FOR MACHINE-TYPE COMMUNICATION (MTC) USER EQUIPMENTS WITH REDUCED BANDWIDTH	158431940	3198747	EP	2/13/2017	8/2/2017
1969	APPARATUS SYSTEM AND METHOD OF WIRELESS LOCAL AREA NETWORK (WLAN) SETTING OF A USER EQUIPMENT (UE)	158441469	3198986	EP	2/13/2017	8/2/2017
1970	SYSTEM AND METHOD OF MTC DEVICE OPERATIONS	158446310	3198749	EP	2/13/2017	8/2/2017
1971	SYSTEM AND METHOD OF HANDLING UPLINK TRANSMISSION COLLISION FOR ENHANCED COVERAGE MODE UES	158446815	3198778	EP	2/13/2017	8/2/2017
1972	MOBILE COMMUNICATION IN MACRO-CELL ASSISTED SMALL CELL NETWORKS	158469825	3202188	EP	2/28/2017	8/9/2017

SCHEDULE A

No.	TITLE	Filing Number	Publication Number	Jurisdiction	Filing Date	Publication Date
1973	UPLINK TRAFFIC CONTROL METHOD IN TIGHTLY INTEGRATED WIFI/LTE	158508911	3207738	EP	3/8/2017	8/23/2017
1974	LOW OVERHEAD SYSTEM INFORMATION ACQUISITION FOR WIRELESS COMMUNICATION	158516344	3308580	EP	11/10/2017	4/18/2018
1975	USER EQUIPMENT AND METHOD FOR COMMUNICATING ON CELLS CONFIGURED FOR LICENSED ASSISTED ACCESS (LAA)	158567586	3216136	EP	4/26/2017	9/13/2017
1976	EARLY TERMINATION OF REPEATED TRANSMISSIONS FOR MTC	158573808	3216149	EP	4/6/2017	9/13/2017
1977	QUANTIZED EIGEN BEAMS FOR CONTROLLING ANTENNA ARRAY ELEMENTS IN A WIRELESS NETWORK	158600882	3221982	EP	4/19/2017	9/27/2017
1978	AN APPARATUS AND METHOD FOR NETWORK ASSISTED DOMAIN SELECTION	158615393	3222109	EP	4/13/2017	9/27/2017
1979	SYSTEMS APPARATUSES AND METHODS FOR MANAGING USER EQUIPMENT MOBILITY INFORMATION	158674218	3231212	EP	5/10/2017	10/18/2017
1980	TRAFFIC ENGINEERING IN HETEROGENEOUS MILLIMETER-WAVE AND LTE SMALL CELL SYSTEMS	158705608	3235288	EP	5/19/2017	10/25/2017
1981	USER EQUIPMENT AND METHOD FOR TRANSMITTING A DATA STREAM TO AN EVOLVED NODE B	158706556	3235153	EP	5/17/2017	10/25/2017
1982	NETWORK-INITIATED DISCOVERY AND PATH SELECTION PROCEDURES FOR MULTI-HOP UNDERLAY NETWORKS	158758847	3241386	EP	5/30/2017	11/8/2017
1983	APPARATUS AND METHOD OF PROVIDING A FLEXIBLE GUARD INTERVAL FOR BLOCK SINGLE CARRIER TRANSMISSION	158782540	3245771	EP	6/21/2017	11/22/2017
1984	TECHNIQUES FOR MONITORING VIRTUALIZED NETWORK FUNCTIONS OR NETWORK FUNCTIONS	158782763	3245766	EP	6/21/2017	11/22/2017
1985	APPARATUS SYSTEM AND METHOD OF PROCESSING PDCP PDUs OF AN E-RAB	158791384	3248409	EP	6/21/2017	11/29/2017
1986	DEVICES AND METHODS FOR HARQ-ACK FEEDBACK SCHEME ON PUSCH IN WIRELESS COMMUNICATION SYSTEMS	158792333	3248316	EP	6/21/2017	11/29/2017
1987	DEVICES AND METHODS FOR EPDCCH MONITORING IN WIRELESS COMMUNICATION SYSTEMS	158792341	3248312	EP	6/21/2017	11/29/2017
1988	APPLICATION SPECIFIC CONGESTION CONTROL FOR DATA COMMUNICATIONS	158792580	3248341	EP	6/21/2017	11/29/2017
1989	SYSTEM AND METHODS FOR PRECODED TRANSMISSIONS FOR NARROWBAND TRANSMISSIONS WITHIN WIDER SYSTEM BANDWIDTH	158803429	3251315	EP	6/21/2017	12/6/2017
1990	DEVICE AND METHOD TO IMPROVE HORIZONTAL AND VERTICAL POSITIONING ACCURACY	158806323	3251235	EP	6/21/2017	12/6/2017

SCHEDULE A

No.	TITLE	Filing Number	Publication Number	Jurisdiction	Filing Date	Publication Date
1991	SYSTEM AND METHODS FOR SUPPORT OF FREQUENCY HOPPING FOR UES WITH REDUCED BANDWIDTH SUPPORT	158806414	3251265	EP	6/23/2017	12/6/2017
1992	UPLINK SCHEDULING FOR LICENSE ASSISTED ACCESS	158806430	3251455	EP	6/22/2017	12/6/2017
1993	POWER HEADROOM REPORTING WITH CHANNEL SELECTION	158806497	3251430	EP	6/23/2017	12/6/2017
1994	IPCARRIER AGGREGATION ENHANCEMENTS FOR UNLICENSED SPECTRUM AND 5G	158806539	3251443	EP	6/22/2017	12/6/2017
1995	DEVICE SYSTEM AND METHOD EMPLOYING UNIFIED FLEXIBLE 5G AIR INTERFACE	158822551	3257308	EP	8/15/2017	12/20/2017
1996	DEVICE SYSTEM AND METHOD OF QUASI-ORTHOGONAL MULTIPLE ACCESS	158867044	3275280	EP	9/11/2017	1/31/2018
1997	USER EQUIPMENT RADIO-FREQUENCY AND BAND CAPABILITY FOR CARRIER AGGREGATION MEASUREMENT GAP	158887174	3281438	EP	9/12/2017	2/14/2018
1998	USER EQUIPMENT CONTROLLED MOBILITY IN AN EVOLVED RADIO ACCESS NETWORK	158887190	3281428	EP	9/12/2017	2/14/2018
1999	USER EQUIPMENT AND METHODS FOR PHYSICAL UPLINK CONTROL CHANNEL (PUCCH) RESOURCE ALLOCATION AND COMMUNICATION	158901421	3286864	EP	9/18/2017	2/28/2018
2000	DEVICE AND METHOD OF CONFIGURABLE SYNCHRONIZATION SIGNAL AND CHANNEL DESIGN	158920520	3295632	EP	10/24/2017	3/21/2018
2001	ATTENTION (AT) COMMANDS FOR PACKET DATA NETWORK CONNECTION OFFLOAD	158927848	3298819	EP	10/31/2017	3/28/2018
2002	PDCP STATUS REPORTING FOR MULTI-RAT OFFLOADING	158927913	3298820	EP	10/24/2017	3/28/2018
2003	NON-CONTENTION BASED LOW LATENCY SCHEDULING REQUEST TRANSMISSION	158927921	3298843	EP	10/24/2017	3/28/2018
2004	SEAMLESS MOBILITY FOR 5G AND LTE SYSTEMS AND DEVICES	158944926	3304974	EP	11/3/2017	4/11/2018
2005	UPLINK RESOURCE COLLISION REDUCTION IN FD-MIMO	158958462	3311516	EP	11/15/2017	4/25/2018
2006	ACK/NACK SIGNALS FOR NEXT GENERATION LTE DEVICES AND SYSTEMS	158958496	3311522	EP	11/16/2017	4/25/2018
2007	DYNAMIC PARTITION RESOURCE ALLOCATION IN 5G NETWORKS	158965905	3314967	EP	11/19/2017	5/2/2018
2008	DISTRIBUTED LINK SCHEDULING TECHNIQUE FOR DEVICE TO DEVICE COMMUNICATION	158973768	3318092	EP	11/27/2017	5/9/2018
2009	USER EQUIPMENT (UE) AND METHODS FOR COMMUNICATION USING DIRECTIONAL TRANSMISSION AND RECEPTION	158978924	3320639	EP	1/2/2018	5/16/2018

SCHEDULE A

No.	TITLE	Filing Number	Publication Number	Jurisdiction	Filing Date	Publication Date
2010	APPARATUS SYSTEM AND METHOD OF COMMUNICATING BETWEEN A CELLULAR MANAGER AND A USER EQUIPMENT (UE) VIA A WLAN NODE	158997742	3326424	EP	1/12/2018	5/30/2018
2011	USER EQUIPMENT (UE) AND METHODS FOR DYNAMIC MILLIMETER WAVE PENCIL CELL COMMUNICATION	158999052	3329712	EP	1/11/2018	6/6/2018
2012	PHYSICAL BROADCAST CHANNEL DESIGN	158999060	3329626	EP	1/12/2018	6/6/2018
2013	SECURE DIRECT DISCOVERY AMONG USER EQUIPMENT	159011642	3335400	EP	1/18/2018	6/20/2018
2014	AN APPARATUS AND METHOD FOR REPORTING SYSTEM FRAME NUMBER (SFN) AND SUBFRAME OFFSET IN DUAL CONNECTIVITY (DC) ENHANCEMENT	159024652	3342203	EP	1/24/2018	7/4/2018
2015	TRANSMISSION OF UPLINK CONTROL INFORMATION IN WIRELESS SYSTEMS	159037084	3348012	EP	2/5/2018	7/18/2018
2016	TRANSMISSION OF UPLINK CONTROL INFORMATION IN WIRELESS SYSTEMS	159042167	3350951	EP	2/19/2018	7/25/2018
2017	DEVICES AND METHODS OF USING NETWORK FUNCTION VIRTUALIZATION AND VIRTUALIZED RESOURCES PERFORMANCE DATA TO IMPROVE PERFORMANCE	159056456	3357193	EP	2/19/2018	8/8/2018
2018	ARCHITECTURE FOR WIRELESS NETWORK ACCESS	159059658	3360268	EP	2/27/2018	8/15/2018
2019	COMMUNICATION TERMINAL AND METHOD FOR CHANNEL ESTIMATION	159109438	3391601	EP	5/25/2018	10/24/2018
2020	MULTIBAND DATA DELIVERY DEVICE AND METHOD	159114859	3395106	EP	5/23/2018	10/31/2018
2021	COMMUNICATION DEVICE AND METHOD FOR PERFORMING RADIO COMMUNICATION	159115781	3395026	EP		10/31/2018
2022	METHOD AND DEVICE FOR CANCELING A BIAS OF A RADIO CHANNEL SEQUENCE	161515804	3062447	EP		8/31/2016
2023	HIGH LINEARITY PUSH-PULL COMMON-GATE AMPLIFIER	161523238	3062439	EP		8/31/2016
2024	METHOD FOR PERFORMING MOBILE COMMUNICATIONS AND MOBILE TERMINAL DEVICE	161523261	3068090	EP		9/14/2016
2025	HYSTERETIC CURRENT CONTROL WITH EVENT DITHERING	161523279	3068045	EP		9/14/2016
2026	METHOD AND DEVICE FOR PROTECTING A DATA TRANSPORT BLOCK AGAINST MEMORY ERRORS AND TRANSMISSION ERRORS	161536420	3070865	EP		9/21/2016
2027	MAPPING DATA PRIORITY TO CHANNEL QUALITY IN UPLINK CARRIER AGGREGATION	161536776	3070871	EP		9/21/2016
2028	PHASED ARRAY WEIGHTING FOR POWER EFFICIENCY IMPROVEMENT WITH HIGH PEAK-TO-AVERAGE POWER RATIO SIGNALS	161539010	3073572	EP		9/28/2016

SCHEDULE A

No.	TITLE	Filing Number	Publication Number	Jurisdiction	Filing Date	Publication Date
2029	ADJUSTING POWER AMPLIFIER STIMULI BASED ON OUTPUT SIGNALS	161545793	3070839	EP		9/21/2016
2030	METHOD FOR PERFORMING MOBILE COMMUNICATIONS AND MOBILE RADIO COMMUNICATION TERMINAL DEVICE	161547146	3073785	EP		9/28/2016
2031	ANTENNA SYSTEM	161570312	3073563	EP		9/28/2016
2032	OPTIMIZING APPLICATIONS BEHAVIOR IN A DEVICE FOR POWER AND PERFORMANCE	161577531	3073689	EP		9/28/2016
2033	SYNTHESIS DEVICE AND SYSTEM FOR GENERATING CHANNEL ESTIMATION FILTER COEFFICIENTS	161590146	3217617	EP		9/13/2017
2034	APPARATUSES AND METHODS FOR COMPENSATING PHASE FLUCTUATIONS	161598743	3217554	EP		9/13/2017
2035	APPARATUSES AND METHODS FOR GENERATING A SECOND DIGITAL SIGNAL BASED ON A FIRST DIGITAL SIGNAL	161632534	3226499	EP		10/4/2017
2036	TRANSCIVER TRANSMITTER RECEIVER AND METHOD FOR DETERMINING A MINIMUM SUPPLY VOLTAGE FOR RECEIVERS AND TRANSMITTERS	161632609	3226624	EP		10/4/2017
2037	COMMUNICATION DEVICE AND METHOD FOR TRANSMITTING DATA	161632922	3226501	EP		10/4/2017
2038	COMMUNICATION TERMINAL AND METHOD FOR ESTABLISHING A CSFB CALL	161641279	3091784	EP		11/9/2016
2039	METHOD AND DEVICE FOR GAIN ADJUSTMENT IN MOBILITY MEASUREMENTS	161686910	3244662	EP		11/15/2017
2040	METHOD AND DEVICE FOR MITIGATING INTERFERENCE DUE TO A WIRELESS CHARGING SIGNAL	161687496	3244542	EP		11/15/2017
2041	INTERACTIVE ZOOMING IN VIDEO CONFERENCING	161688809	3094063	EP	5/10/2016	11/16/2016
2042	METHODS AND DEVICES FOR CIRCUIT-SWITCHED FALLBACK PROCEDURES	161689419	3244655	EP		11/15/2017
2043	TECHNIQUES FOR WIRELESS NETWORK DISCOVERY AND SELECTION SUPPORT	161690441	3086602	EP	5/10/2016	10/26/2016
2044	DRX OPERATION FOR UL/DL RECONFIGURATION	161702980	3101824	EP	5/19/2016	12/7/2016
2045	METHOD FOR PROCESSING RADIO SIGNALS AND MOBILE TERMINAL DEVICE	161711874	3113543	EP		1/4/2017
2046	Architecture and Control of Analog Self-Interference Cancellation	161711882	3110018	EP		12/28/2016
2047	MOBILE TERMINAL DEVICES AND METHODS OF PERFORMING RADIO MEASUREMENTS	161711890	3110200	EP		12/28/2016
2048	DEVICE AND METHOD FOR RECOVERING SERVICES FROM NETWORK REJECTIONS TO WIRELESS COMMUNICATION DEVICES	161723937	3253172	EP		12/6/2017

SCHEDULE A

No.	TITLE	Filing Number	Publication Number	Jurisdiction	Filing Date	Publication Date
2049	INTERFERENCE DETECTION DEVICE INTERFERENCE DETECTION APPARATUS INTERFERENCE DETECTION METHOD COMPUTER PROGRAM RECEIVER MOBILE TERMINAL AND BASE STATION	161738570	3255800	EP		12/13/2017
2050	AMPLIFICATION CIRCUIT APPARATUS FOR AMPLIFYING LOW NOISE AMPLIFIER RADIO RECEIVER MOBILE TERMINAL BASE STATION AND METHOD FOR AMPLIFYING	161742267	3258597	EP		12/20/2017
2051	COMMUNICATION TERMINAL AND METHOD FOR USING A SHARED RADIO COMMUNICATION COMPONENT	161761184	3261401	EP		12/27/2017
2052	COMMUNICATION DEVICE AND METHOD FOR OPERATING A COMMUNICATION DEVICE	161768353	3264831	EP		1/3/2018
2053	APPARATUS ADAPTED FOR MAINTAINING RECEIVING DATA QUALITY AND METHOD FOR RECEIVING DATA	161771555	3264779	EP		1/3/2018
2054	APPARATUS OF A USER EQUIPMENT ADAPTED FOR RECEIVING EMERGENCY NOTIFICATION INFORMATION USED IN MOBILE COMMUNICATION AND METHOD FOR RECEIVING EMERGENCY NOTIFICATION INFORMATION	161774682	3264809	EP		1/3/2018
2055	METHOD AND DEVICE FOR MITIGATING INTERFERENCE IN COLLOCATED TRANSCEIVERS	161774773	3264619	EP		1/3/2018
2056	METHODS AND TRANSCEIVERS FOR REDUCING A DISTORTION COMPONENT WITHIN A BASEBAND RECEIVE SIGNAL	161775911	3264620	EP		1/3/2018
2057	AUTOMATIC GAIN CONTROL GAIN ADJUSTMENT	161793583	3131200	EP		2/15/2017
2058	DECODING DEVICE AND METHOD USING CONTEXT REDUNDANCY	161799705	3273604	EP		1/24/2018
2059	ENABLING RADIO FREQUENCY MULTIPLEXING IN A WIRELESS SYSTEM	161820683	3136609	EP		3/1/2017
2060	HYBRID I/Q AND POLAR TRANSMITTER	161845367	3148093	EP		3/29/2017
2061	A MOBILE COMMUNICATIONS DEVICE AND A METHOD FOR CONTROLLING A MOBILE COMMUNICATIONS DEVICE	161851449	3148268	EP		3/29/2017
2062	CLOSED-LOOP POWER CONTROL IN MULTI-TRANSMISSION WIRELESS SYSTEMS	161851563	3148263	EP		3/29/2017
2063	DEVICE SYSTEM AND GLOBAL NAVIGATION SATELLITE SYSTEM METHOD USING LOCAL FINE TIME INFORMATION	161860028	3153886	EP		4/12/2017
2064	MOBILE COMMUNICATION DEVICE AND METHOD FOR SELECTING A BEAM DIRECTION FOR AN ANTENNA	161883582	3293890	EP		3/14/2018
2065	COMMUNICATION DEVICE AND METHOD FOR RESUMING DATA RECEPTION	161907787	3300435	EP		3/28/2018

SCHEDULE A

No.	TITLE	Filing Number	Publication Number	Jurisdiction	Filing Date	Publication Date
2066	APPARATUSES AND METHODS FOR MEASURING NEIGHBORING INTER-FREQUENCY OR INTER-RAT CELLS	161910120	3301975	EP		4/4/2018
2067	COMMUNICATION NETWORK COMPONENT AND METHOD FOR REQUESTING CHANNEL INFORMATION	161911003	3301824	EP		4/4/2018
2068	COMMUNICATION DEVICE AND METHOD FOR PERFORMING POSITIONING	161914007	3301484	EP		4/4/2018
2069	LDPC DECODER FOR DECODING CONVOLUTIONAL CODES OR TURBO CODES	161914718	3301814	EP		4/4/2018
2070	METHOD AND DEVICE FOR PROVIDING CQI REPORTS	161917497	3301839	EP		4/4/2018
2071	A RECEIVER A METHOD FOR CONTROLLING A RECEIVER AND A MOBILE COMMUNICATIONS DEVICE	161917752	3301818	EP		4/4/2018
2072	DELTA SIGMA ANALOG-TO-DIGITAL CONVERTER RADIO FRONT-END RADIO RECEIVER MOBILE TERMINAL AND BASE STATION	161918065	3301813	EP		4/4/2018
2073	METHODS FOR PERFORMING RADIO MEASUREMENTS AND MOBILE TERMINAL DEVICES	161924840	3166356	EP		5/10/2017
2074	USER EQUIPMENT AND METHOD FOR PACKET BASED DEVICE-TO-DEVICE (D2D) DISCOVERY IN AN LTE NETWORK	161929914	3133848	EP	10/10/2016	2/22/2017
2075	RADIO COMMUNICATION DEVICES AND METHODS FOR PERFORMING WIRELESS PEER-TO-PEER DISCOVERY	161941737	3171618	EP		5/24/2017
2076	DOCKING STATION AND METHOD TO CONNECT TO A DOCKING STATION	161961305	3179332	EP		6/14/2017
2077	METHOD FOR COMMUNICATING COMPUTER PROGRAM WIRELESS COMMUNICATION DEVICE WIRELESS COMMUNICATIONS PROCESSOR TRANSMITTER AND APPLICATION PROCESSOR	161965512	3316629	EP		5/2/2018
2078	DEVICE AND METHOD FOR RADIO ACCESS TECHNOLOGY SEARCH	161966122	3179779	EP		6/14/2017
2079	METHODS IN SHORT RANGE RADIO COMMUNICATION MASTER SUBSYSTEMS MOBILE DEVICES AND MULTI-MODE RADIO COMMUNICATION SYSTEMS	161971031	3166366	EP		5/10/2017
2080	ARCHITECTURE AND CONTROL OF HYBRID COUPLER BASED ANALOG SELF-INTERFERENCE CANCELLATION	161984331	3185427	EP		6/28/2017
2081	DEVICE AND METHOD FOR USER ORIGINATED MULTIPLE CONNECTION MANAGEMENT TRANSACTIONS VIA CIRCUIT SWITCHED FALLBACK	161984349	3197234	EP		7/26/2017
2082	SYSTEM AND METHOD FOR EMERGENCY SECURE USER PLANE LOCATION POSITIONING	161984471	3185593	EP		6/28/2017

SCHEDULE A

No.	TITLE	Filing Number	Publication Number	Jurisdiction	Filing Date	Publication Date
2083	ANTENNA ARRANGEMENT	161987573	3185358	EP		6/28/2017
2084	SYSTEMS DEVICES AND METHODS FOR LONG TERM EVOLUTION AND WIRELESS LOCAL AREA INTERWORKING	162063309	3182761	EP	12/22/2016	6/21/2017
2085	RADIO RESOURCE MANAGEMENT (RRM) REPORTING FOR LICENSED ASSISTED ACCESS (LAA)	167060672	3251402	EP	6/23/2017	12/6/2017
2086	METHODS APPARATUSES AND SYSTEMS FOR ENHANCEMENT OF EVOLVED PHYSICAL DOWNLINK CONTROL CHANNEL FOR MACHINE TYPE COMMUNICATIONS	167060888	3281468	EP	9/8/2017	2/14/2018
2087	RANDOM ACCESS PROCEDURE FOR ENHANCED COVERAGE SUPPORT	167060896	3281482	EP	9/12/2017	2/14/2018
2088	SYSTEMS METHODS AND DEVICES FOR SECURE DEVICE-TO-DEVICE DISCOVERY AND COMMUNICATION	167073311	3269166	EP	8/18/2017	1/17/2018
2089	MME OVERLOAD OR UNDERLOAD MITIGATION BY MME VNF APPARATUS AND METHOD	167082411	3272145	EP	8/18/2017	1/24/2018
2090	HORIZONTAL NETWORK SLICING IN A WIRELESS NETWORK	167098995	3387818	EP	5/8/2018	10/17/2018
2091	OPPORTUNISTIC ACCESS OF MILLIMETERWAVE RADIO ACCESS TECHNOLOGY BASED ON EDGE CLOUD MOBILE PROXY	167117274	3266167	EP	8/15/2017	1/10/2018
2092	SCHEDULING REQUEST IN EXTREMELY HIGH FREQUENCY SYSTEMS	167126770	3398391	EP	5/30/2018	11/7/2018
2093	USER PLANE RESOURCE ALLOCATION	167154145	3371942	EP	4/26/2018	9/12/2018
2094	SHORT TRANSMISSION TIME INTERVAL (TTI)	167157825	3371919	EP	4/26/2018	9/12/2018
2095	DESIGN AND TRANSMISSION OF (E)PDCCH WITHIN PARTIAL SUBFRAME IN LICENSED ASSISTED ACCESS (LAA)	167167428	3369202	EP	3/19/2018	9/5/2018
2096	ENHANCED RESOURCE MAPPING SCHEME	167167550	3363173	EP	3/14/2018	8/22/2018
2097	DETERMINATION OF NUMBER OF PHYSICAL UPLINK CONTROL CHANNEL REPETITIONS FOR MACHINE TYPE COMMUNICATIONS	167167592	3353935	EP	2/19/2018	8/1/2018
2098	MAPPING OF PHYSICAL BROADCAST CHANNEL (PBCH) REPETITION SYMBOLS FOR MACHINE-TYPE COMMUNICATION (MTC)	167167741	3353924	EP	2/19/2018	8/1/2018
2099	METHODS FOR CQI FEEDBACK AND RRM MEASUREMENTS WITH DYNAMIC POWER SHARING AMONG MULTIPLE LAA SCELLS FOR DL-ONLY TRANSMISSION	167180686	3335340	EP	1/18/2018	6/20/2018
2100	SYSTEM AND METHODS FOR SYSTEM OPERATION FOR NARROWBAND-LTE FOR CELLULAR IOT	167185552	3329627	EP	1/12/2018	6/6/2018
2101	SIGNALLING FOR PER CARRIER-COMPONENT BASED ENHANCED MEASUREMENT GAP CONFIGURATION	167185826	3281440	EP	9/12/2017	2/14/2018

SCHEDULE A

No.	TITLE	Filing Number	Publication Number	Jurisdiction	Filing Date	Publication Date
2102	TIME GRID WITH TIME DIVISION DUPLEX SWITCHING INTERVALS	167187624	3363128	EP	3/14/2018	8/22/2018
2103	ENHANCED SELF-CONTAINED TIME-DIVISION DUPLEX SUBFRAME STRUCTURE	167187657	3360277	EP	2/27/2018	8/15/2018
2104	MEASUREMENT METHOD IN CARRIER AGGREGATION AND ASYNCHRONOUS DUAL CONNECTIVITY	167202548	3295594	EP	11/10/2017	3/21/2018
2105	ACKNOWLEDGEMENT (ACK) TRANSMISSIONS USING A SELF-CONTAINED SUBFRAME STRUCTURE	167257195	3403350	EP	6/11/2018	11/21/2018
2106	OPTIMIZED SCHEDULING STRATEGIES FOR DUAL CONNECTIVITY AND LINK AGGREGATION	167281682	3459310	EP	10/17/2018	3/27/2019
2107	CARRIER MEASUREMENTS FOR MULTI-CARRIER DEVICES	167302058	3320714	EP	1/10/2018	5/16/2018
2108	PARTIAL SUBFRAME TRANSMISSION IN LICENSED ASSISTED ACCESS	167309905	3371920	EP	4/23/2018	9/12/2018
2109	RESTORING VIRTUAL NETWORK FUNCTION (VNF) PERFORMANCE VIA VNF RESET OF LIFECYCLE MANAGEMENT	167362888	3371703	EP	4/23/2018	9/12/2018
2110	SYSTEMS AND METHODS FOR REDUCING INTERRUPTIONS IN DATA TRANSMISSIONS DUE TO HANDOVER OPERATIONS	167414317	3414943	EP	7/9/2018	12/19/2018
2111	SIXTY GIGAHERTZ BAND SUPPORT IN CELLULAR AND WIRELESS LOCAL AREA NETWORK AGGREGATION	167452440	3437363	EP	8/21/2018	2/6/2019
2112	UPLINK BEAM REFINEMENT	167452622	3408961	EP	6/18/2018	12/5/2018
2113	LIGHTWEIGHT S-1 LITE PROTOCOL DESIGN FOR CELLULAR INTERNET OF THINGS	167459205	3335401	EP	1/17/2018	6/20/2018
2114	DISCONTINUOUS DOWNLINK TRANSMISSIONS FOR MACHINE TYPE COMMUNICATIONS	167459288	3430747	EP	8/15/2018	1/23/2019
2115	SYSTEMS AND METHODS FOR CENTRALIZED AND DECENTRALIZED COMMUNICATION MODES FOR V2X SERVICES	167514173	3437346	EP	8/21/2018	2/6/2019
2116	ALLOCATIONSRESOURCE FOR BEAMFORMING REFERENCE SIGNALS	167537588	3411983	EP	7/9/2018	12/12/2018
2117	DATA TRANSMISSION USING AN ADAPTIVE TRANSMISSION TIME INTERVAL STRUCTURE IN A WIRELESS COMMUNICATION SYSTEM	167602747	3433959	EP	8/21/2018	1/30/2019
2118	SIGNALING FOR ENHANCED MEASUREMENT GAP FOR SYNCHRONOUS NETWORK	167631787	3414933	EP	7/11/2018	12/19/2018
2119	PROCEDURES TO PROVISION AND ATTACH A CELLULAR INTERNET OF THINGS DEVICE TO A CLOUD SERVICE PROVIDER	167653708	3272158	EP	8/17/2017	1/24/2018
2120	CHANNEL STATE INFORMATION (CSI) MEASUREMENTS AND CSI REPORTING IN LICENSED ASSISTED ACCESS (LAA)	167666973	3371923	EP	4/30/2018	9/12/2018

SCHEDULE A

No.	TITLE	Filing Number	Publication Number	Jurisdiction	Filing Date	Publication Date
2121	DEVICE SYSTEM AND METHOD OF CELL SPECIFIC PROBABILITY LOAD BALANCING	167770072	3281447	EP	9/12/2017	2/14/2018
2122	SYSTEMS METHODS AND DEVICES FOR UPLINK CONTROL INFORMATION ENHANCEMENT	167785534	3449590	EP	9/19/2018	3/6/2019
2123	PHYSICAL RANDOM ACCESS CHANNEL (PRACH) DESIGN	167786292	3456137	EP	10/13/2018	3/20/2019
2124	Method and system to perform performance measurements job operations	167792308	3433735	EP	8/17/2018	1/30/2019
2125	CONFIGURING DOWNLINK LISTEN-BEFORE-TALK PRIORITY CLASS FOR UPLINK GRANT TRANSMISSION IN LICENSED ASSISTED ACCESS	167816131	3369283	EP	3/19/2018	9/5/2018
2126	MECHANISMS FOR AVOIDANCE OF EXPLICIT QUALITY OF SERVICE SIGNALING OVER THE RADIO INTERFACE	167819291	3456085	EP	10/12/2018	3/20/2019
2127	NETWORK ASSISTED MOBILITY STATUS INDICATION AND TRACKING OF HIGH-SPEED MOBILE SCENARIOS	167819598	3437386	EP	8/31/2018	2/6/2019
2128	SCHEDULING UPLINK TRANSMISSIONS FOR A USER EQUIPMENT (UE)	167847706	3366075	EP	3/14/2018	8/29/2018
2129	DOWNLINK HYBRID AUTOMATIC REPEAT REQUEST FEEDBACK FOR NARROWBAND INTERNET OF THINGS DEVICES	167850106	3400667	EP	6/6/2018	11/14/2018
2130	PERFORMANCE MONITORING TECHNIQUES FOR VIRTUALIZED RESOURCES	167904606	3400681	EP	6/6/2018	11/14/2018
2131	EVOLVED NODE-B SHARED SPECTRUM CONTROLLER AND METHOD FOR COMMUNICATION IN SHARED SPECTRUM	167931138	3295703	EP	11/3/2017	3/21/2018
2132	MULTI-HARMONIC MATCHING NETWORKS	168130466	3394986	EP	5/21/2018	10/31/2018
2133	SYSTEMS METHODS AND DEVICES FOR NON-ADAPTIVE RETRANSMISSION USING SEMI-PERSISTENT SCHEDULING RESOURCES	168235224	3455970	EP	10/12/2018	3/20/2019
2134	UPLINK MODULATION CODING SCHEME AND CONFIGURATION	168292118	3437221	EP	8/21/2018	2/6/2019
2135	LOW LATENCY IN WIRELESS COMMUNICATION SYSTEM	168292183	3411986	EP	7/2/2018	12/12/2018
2136	OFDMA-BASED MULTIPLEXING OF UPLINK CONTROL INFORMATION	168309540	3329634	EP	1/11/2018	6/6/2018
2137	MOBILE TERMINAL DEVICES AND METHODS OF DETECTING REFERENCE SIGNALS	168374593	3338420	EP	1/25/2018	6/27/2018
2138	COMMUNICATION DEVICE AND A METHOD FOR OPERATING A COMMUNICATION DEVICE	168470128	3351052	EP	2/5/2018	7/25/2018
2139	POSITIONING DEVICE AND METHOD FOR DETERMINING THE POSITION OF A COMMUNICATION DEVICE	168491793	3353566	EP	2/16/2018	8/1/2018

SCHEDULE A

No.	TITLE	Filing Number	Publication Number	Jurisdiction	Filing Date	Publication Date
2140	METHODS FOR PERFORMING WIRELESS COMMUNICATIONS MOBILE TERMINAL DEVICES AND SERVERS	168492270	3354073	EP	2/16/2018	8/1/2018
2141	ANTENNA SYSTEM	168492429	3353570	EP	2/19/2018	8/1/2018
2142	COMMUNICATION TERMINAL AND METHOD FOR COMMUNICATING DATA	168492494	3354113	EP	2/19/2018	8/1/2018
2143	USER EQUIPMENT (UE) AND METHODS FOR REGISTRATION OF CIRCUIT-SWITCHED (CS) SERVICES IN MULTI-MODE OPERATION	168522134	3357288	EP	2/27/2018	8/8/2018
2144	WIRELESS CIRCUITRY WITH SCALABLE ACCURACY	168522670	3357162	EP	2/19/2018	8/8/2018
2145	DISCOVERY REFERENCE SIGNALING FOR DYNAMICALLY-TIMED TRANSMISSIONS	168604114	3369193	EP	3/19/2018	9/5/2018
2146	DISCOVERY REFERENCE SIGNAL TRANSMISSION WINDOW AND POSITION IDENTIFICATION	168717957	3406041	EP	6/18/2018	11/28/2018
2147	MULTI-SUBFRAME UPLINK SCHEDULING IN UNLICENSED SPECTRUM	168734952	3387871	EP	5/8/2018	10/17/2018
2148	NB-IOT SYNCHRONIZATION SIGNALS WITH OFFSET INFORMATION	168841294	3400663	EP	6/11/2018	11/14/2018
2149	EVOLVED NODE-B (ENB) USER EQUIPMENT (UE) AND METHODS FOR COMMUNICATION OF A CHANNEL RASTER FREQUENCY OFFSET	168853711	3403342	EP	6/11/2018	11/21/2018
2150	SENSING-BASED COLLISION AVOIDANCE FOR V2V COMMUNICATION	168896314	3412103	EP	7/9/2018	12/12/2018
2151	RX-TX TIME DIFFERENCE REPORT FOR TDD SYSTEMS AND ASSOCIATED DEVICES	168901080	3414934	EP	7/13/2018	12/19/2018
2152	DEVICES AND METHODS FOR RRC CONNECTION RE-ESTABLISHMENT	168901205	3414970	EP	7/9/2018	12/19/2018
2153	PHYSICAL UPLINK CONTROL CHANNEL FORMATS FOR 5G	168918597	3420657	EP	7/24/2018	1/2/2019
2154	TRIGGER FOR ATTACH-TAU FOR PENDING IMS CALL REQUEST IN RADIO ACCESS NETWORKS	168974459	3437392	EP	8/21/2018	2/6/2019
2155	DEVICES AND METHODS FOR MEC V2X	168981421	3440870	EP	9/5/2018	2/13/2019
2156	USER EQUIPMENT (UE) AND METHODS FOR RECEPTION OF PACKETS ON A SPLIT RADIO BEARER	169011392	3453131	EP	10/4/2018	3/13/2019
2157	DEVICE AND METHOD FOR NFV LIFE CYCLE MANAGEMENT	169064938	3476080	EP	11/21/2018	5/1/2019
2158	USER EQUIPMENT WITH ADAPTIVE TRANSMISSION POWER SCALING BASED ON DECODING CONFIDENCE	171559800	3361790	EP		8/15/2018
2159	METHODS AND DEVICES FOR CELL SEARCH	171585383	3226621	EP		10/4/2017
2160	METHODS AND DEVICES FOR SPUR CANCELLATION IN DIGITAL PHASE LOCKED LOOPS	171585557	3226420	EP		10/4/2017

SCHEDULE A

No.	TITLE	Filing Number	Publication Number	Jurisdiction	Filing Date	Publication Date
2161	EFFICIENT BEAM SEARCH METHODS FOR THREE-DIMENSIONAL BEAMFORMING WITH NON-PRECODED REFERENCE SIGNALS	171640972	3382904	EP		10/3/2018
2162	SYSTEMS METHODS AND DEVICES FOR DEVICE-TO-DEVICE COMMUNICATION MODE SELECTION	171649841	3223449	EP	4/5/2017	9/27/2017
2163	METHODS AND DEVICES FOR PERFORMING CIRCUIT-SWITCHED FALLBACK	171652902	3242508	EP		11/8/2017
2164	SIGNALING FOR PROXIMITY SERVICES AND D2D DISCOVERY IN AN LTE NETWORK	171654403	3209039	EP	4/7/2017	8/23/2017
2165	SYSTEMS AND METHODS FOR WLAN NETWORK SELECTION	171686959	3226618	EP	4/28/2017	10/4/2017
2166	REFERENCE PATH CIRCUIT FOR GENERATION OF CLOCK SIGNALS WITH AN INJECTION LOCKED MULTIPLIER (ILM)	171689029	3252951	EP		12/6/2017
2167	APPARATUS SYSTEM AND METHOD OF COMMUNICATING NON-CELLULAR ACCESS NETWORK INFORMATION OVER A CELLULAR NETWORK	171696610	3226595	EP	5/5/2017	10/4/2017
2168	MULTIPLE MODULATED SPUR CANCELLATION APPARATUS	171697204	3255801	EP		12/13/2017
2169	METHODS AND DEVICES INDICATING AT LEAST ONE OF A TEMPERATURE AND FREQUENCY DEVIATION	171704521	3402261	EP		11/14/2018
2170	COVERAGE EXTENSION LEVEL FOR COVERAGE LIMITED DEVICE	171705387	3229517	EP	5/11/2017	10/11/2017
2171	METHODS AND DEVICES FOR PERFORMING DUPLEX MODE DETECTION	171706245	3258620	EP		12/20/2017
2172	COMMUNICATION DEVICE AND A METHOD FOR OPERATING A COMMUNICATION DEVICE	171722184	3261369	EP		12/27/2017
2173	COMMUNICATION DEVICE AND METHOD FOR DECODING DATA FROM A NETWORK	171726003	3261279	EP		12/27/2017
2174	APPARATUS AND METHOD FOR DETERMINING A DISTANCE TO AN OBJECT	171728421	3407082	EP		11/28/2018
2175	FREQUENCY RECONFIGURABLE ANTENNA DECOUPLING FOR WIRELESS COMMUNICATION	171731599	3264525	EP		1/3/2018
2176	DIGITAL-CENTRIC FULL-DUPLEX ARCHITECTURE	171735939	3285404	EP		2/21/2018
2177	FREQUENCY BASED BIAS VOLTAGE SCALING FOR PHASE LOCKED LOOPS	171741077	3264606	EP	6/1/2017	1/3/2018
2178	DIGITAL TIME CONVERTER SYSTEMS AND METHODS	171748551	3264599	EP		1/3/2018
2179	PERFORMANCE INDICATOR FOR PHASE LOCKED LOOPS	171755978	3264609	EP		1/3/2018
2180	SHORT RANGE RADIO COMMUNICATION DEVICE AND A METHOD OF CONTROLLING A SHORT RANGE RADIO COMMUNICATION	171779820	3264625	EP		1/3/2018

SCHEDULE A

No.	TITLE	Filing Number	Publication Number	Jurisdiction	Filing Date	Publication Date
	DEVICE					
2181	USER EQUIPMENT AND METHODS FOR CODEBOOK SUBSAMPLING FOR ENHANCED 4TX CODEBOOKS	171821358	3267720	EP	7/19/2017	1/10/2018
2182	USER EQUIPMENT AND METHODS FOR MEASUREMENT OF REFERENCE SIGNAL RECEIVED QUALITY	171854904	3267726	EP	8/9/2017	1/10/2018
2183	SYSTEMS AND METHODS FOR SIGNALING IN AN INCREASED CARRIER MONITORING WIRELESS COMMUNICATION ENVIRONMENT	171890692	3267615	EP	9/1/2017	1/10/2018
2184	CAMPING APPROACH IN MULTI-SIM USER EQUIPMENT WHEN PRESENT IN COVERAGE HOLES OF RESPECTIVE NETWORK OPERATORS	171909781	3301993	EP		4/4/2018
2185	Power efficient DC-offset mitigation method for bandwidth limited eMTC cellular radio devices	171940133	3462696	EP		4/3/2019
2186	NETWORK ASSISTED DEVICE TO DEVICE DISCOVERY	171965528	3291588	EP	10/16/2017	3/7/2018
2187	TECHNIQUES FOR DIGITAL BEAMFORMING AND MIMO DETECTION	171978414	3474506	EP		4/24/2019
2188	EMERGENCY CALL HANDLING	171980691	3294034	EP	10/24/2017	3/14/2018
2189	DISCRETE LEVELS ENVELOPE TRACKING	172002248	3334038	EP		6/13/2018
2190	UE BASED D2D DISCOVERY	172007726	3300398	EP	11/9/2017	3/28/2018
2191	Improved GNSS L1/E1 cross-correlation immunity in presence of L5/E5A/E5B signals	172027922	3486687	EP		5/22/2019
2192	QUALITY OF EXPERIENCE AWARE MULTIMEDIA ADAPTIVE STREAMING	172083990	3324599	EP	12/19/2017	5/23/2018
2193	Temperature to Frequency Conversion Sharing of Learned Information between Subsystems	172110462	3506580	EP		7/3/2019
2194	UL (UPLINK) CONTROL DESIGN FOR UNLICENSED SPECTRUM	177013679	3400671	EP	5/31/2018	11/14/2018
2195	METHOD AND APPARATUS FOR CHANNEL ACCESS FOR TRANSMISSION OF PUSCH AND UL CONTROL	177014024	3400745	EP	5/31/2018	11/14/2018
2196	RESOURCE ALLOCATION IN LOW-LATENCY WIRELESS SYSTEMS	177049566	3412091	EP	7/9/2018	12/12/2018
2197	SYSTEMS METHODS AND DEVICES FOR MEASUREMENT AND COMMUNICATION OF NUMEROLOGY OF SUBCARRIER SPACING	177115284	3520461	EP	3/1/2019	8/7/2019
2198	END-TO-END TECHNIQUES TO COLLECT PM (PERFORMANCE MEASUREMENT) DATA FROM A NVF (NETWORK FUNCTION VIRTUALIZATION) INFRASTRUCTURE	177118544	3472975	EP	11/20/2018	4/24/2019
2199	IoT goes Unlicensed	177190576		EP	9/16/2019	

SCHEDULE A

No.	TITLE	Filing Number	Publication Number	Jurisdiction	Filing Date	Publication Date
2200	UPLINK DEMODULATION REFERENCE SIGNAL ENHANCEMENT IN FULL-DIMENSION MULTIPLE-INPUT MULTIPLE-OUTPUT SYSTEMS	177194636	3443700	EP	9/10/2018	2/20/2019
2201	MEASUREMENT ENHANCEMENT IN HIGH SPEED COMMUNICATION	177202900	3437372	EP	8/31/2018	2/6/2019
2202	TECHNIQUES FOR CHANNEL STATE DETERMINATION	177206042		EP	9/16/2019	
2203	METHODS FOR MULTI-CARRIER OPERATION WITH MULTIPLE ANCHOR CARRIERS IN NARROW-BAND INTERNET-OF-THINGS	177235900	3453207	EP	10/2/2018	3/13/2019
2204	SECURITY FOR PAGING MESSAGES	177241650		EP	9/16/2019	
2205	INCREASE OF SPECTRAL CAPACITY OF EMBMS-CELL WHEN DEPLOYED AS A SUPPLEMENTARY DOWNLINK CARRIER	177254521	3456070	EP	10/10/2018	3/20/2019
2206	BANDWIDTH UTILIZATION DURING SILENCE FRAMES	177277613		EP	9/19/2019	
2207	HARMONIC SUPPRESSING LOCAL OSCILLATOR SIGNAL GENERATION	177302924	3472949	EP	11/21/2018	4/24/2019
2208	SYSTEMS AND METHODS FOR DELIVERING RADIO APPLICATIONS TO RECONFIGURABLE RADIO EQUIPMENT	177371317		EP	9/25/2019	
2209	UPLINK SOUNDING REFERENCE SIGNAL (SRS) TRANSMISSION IN CARRIER AGGREGATION SYSTEM	177376696	3476074	EP	11/21/2018	5/1/2019
2210	OPTIMIZED PAGING MECHANISM FOR IP MULTIMEDIA SUBSYSTEM (IMS)	177379567	3479630	EP	11/29/2018	5/8/2019
2211	CONFIGURATION OF DISCONTINUOUS RECEPTION (DRX) PARAMETERS IN LIGHT CONNECTION	177379658	3520555	EP	2/28/2019	8/7/2019
2212	APPARATUSES TO AUTHORIZE AND ENABLE/DISABLE ENHANCED COVERAGE FUNCTIONALITY	177379807	3479619	EP	11/29/2018	5/8/2019
2213	BUFFER STATUS REPORTING METHODS AND PROCEDURES	177398153	3498002	EP	1/10/2019	6/19/2019
2214	PHASE NOISE COMPENSATION	177405750	3482541	EP	12/6/2018	5/15/2019
2215	DATA COMMUNICATION OVER SHORTENED TTI (TRANSMISSION TIME INTERVAL)	177466224	3491768	EP	12/21/2018	6/5/2019
2216	DOWNLINK CONTROL INFORMATION FOR NON-SCHEDULED UPLINK TRANSMISSIONS	177573698	3420659	EP	7/31/2018	1/2/2019
2217	UPLINK TRANSMISSION FOR MULTIPLE SERVICES AND PHYSICAL CONFIGURATIONS IN WIRELESS NETWORKS	177841012	3520533	EP	2/28/2019	8/7/2019
2218	COLLECTION OF VNF (VIRTUAL NETWORK FUNCTION) PERFORMANCE MEASUREMENTS RELATED TO VIRTUALIZED RESOURCES	177872744	3491783	EP	12/25/2018	6/5/2019
2219	BEAM RECIPROCITY INDICATION AND JOINT UPLINK DOWNLINK BEAM MANAGEMENT	178050316	3536101	EP	4/2/2019	9/11/2019

SCHEDULE A

No.	TITLE	Filing Number	Publication Number	Jurisdiction	Filing Date	Publication Date
2220	SYSTEMS METHODS AND DEVICES FOR HANDLING STICKINESS OF UE-SPECIFIC RAN-CN ASSOCIATION	178082442	3535996	EP	4/5/2019	9/11/2019
2221	DEVICES AND METHODS FOR BAND PAUSE TESTING	178106753	3466147	EP	11/2/2018	4/10/2019
2222	LWA ENHANCEMENTS FOR TRI-BAND (24 GHZ 5 GHZ AND 60 GHZ) WI-FI EQUIPMENT	178314555	3488630	EP	12/19/2018	5/29/2019
2223	MULTIPLE MAC ENTITIES PER USER EQUIPMENT	178399549	3498047	EP	1/13/2019	6/19/2019
2224	FILTERING FOR MEASUREMENT IN FIFTH GENERATION NETWORKS	178417762	3501200	EP	1/14/2019	6/26/2019
2225	BEAM ACQUISITION USING A REFERENCE SIGNAL STRUCTURE FOR COMMUNICATION SYSTEMS	178477485	3566527	EP	6/6/2019	11/13/2019
2226	PDCP RLC HANDLING IN DC SPLIT BEARER	178569364	3520470	EP	2/28/2019	8/7/2019
2227	MESSAGE 3 TRANSMISSION IN RANDOM ACCESS PROCEDURE FOR NR	178676185	3536102	EP	4/2/2019	9/11/2019
2228	DEVICES FOR PER-CC MEASUREMENT GAP CONFIGURATION	178701900	3539351	EP	4/10/2019	9/18/2019
2229	5G MMWAVE WIRELESS REMOTE RADIO HEAD SYSTEM	178725800	3542467	EP	4/12/2019	9/25/2019
2230	5G RAN1 Mechanisms on monitoring PDCCH with CSS and USS in beamformed system	180007171	3451553	EP		3/6/2019
2231	CALIBRATING RF PATH DELAY AND IQ PHASE IMBALANCE FOR POLAR TRANSMIT SYSTEM	181500554	3334114	EP	1/2/2018	6/13/2018
2232	SYSTEMS METHODS AND DEVICES FOR OPPORTUNISTIC NETWORKING	181503509	3324682	EP	1/9/2018	5/23/2018
2233	SYSTEMS AND METHODS FOR EFFICIENT TRAFFIC OFFLOAD WITHOUT SERVICE DISRUPTION	181518580	3328122	EP	1/16/2018	5/30/2018
2234	PROVISIONING OF APPLICATION CATEGORIES AT A USER EQUIPMENT DURING NETWORK CONGESTION	181522772	3327948	EP	1/18/2018	5/30/2018
2235	RESOURCE ALLOCATION FOR D2D DISCOVERY IN AN LTE NETWORK	181590779	3346740	EP	2/28/2018	7/11/2018
2236	Efficient and private hash-based addressing mechanism with collision resolution for D2D systems	181616699	3541008	EP		9/18/2019
2237	SIGNALING EXTENDED EARFCN AND E-UTRA BANDS IN UMTS NETWORKS	181681313	3367737	EP	4/19/2018	8/29/2018
2238	TECHNIQUES FOR CONTROLLING SPECIFIC ABSORPTION RATE OF RADIO ENERGY TRANSMISSION	181718552	3567940	EP	5/11/2018	11/13/2019
2239	METHOD AND SYSTEM FOR CONTROLLING SIGNAL TRANSMISSION OF A WIRELESS COMMUNICATION DEVICE	181729641	3399647	EP	5/17/2018	11/7/2018
2240	A new methodology to calculate front-end delay on polar transmitter systems	181809955		EP		

SCHEDULE A

No.	TITLE	Filing Number	Publication Number	Jurisdiction	Filing Date	Publication Date
2241	DISCONTINUOUS RECEPTION (DRX) ALIGNMENT TECHNIQUES FOR DUAL-CONNECTIVITY ARCHITECTURES	181813247	3402302	EP	7/3/2018	11/14/2018
2242	USER EQUIPMENT AND METHODS OF BEARER OPERATION FOR CARRIER AGGREGATION	181886524	3419317	EP	8/13/2018	12/26/2018
2243	Channel Profile Sensitive LLR Quantization	181914862		EP		
2244	INTERFERENCE MEASUREMENT IN NEW RADIO SYSTEMS	181938168	3454477	EP		3/13/2019
2245	SYSTEMS METHODS AND DEVICES FOR TRAFFIC OFFLOADING	181939695	3432634	EP	9/12/2018	1/23/2019
2246	Multiple TNL associations between RAN and AMF for virtualized deployments stage-3 support	181977760	3462770	EP	9/28/2018	4/3/2019
2247	5G RAN1 Frequency hopping for NR PUSCH in case of multiple bandwidth parts and different data durations	181981689	3462795	EP		4/3/2019
2248	SPUR CANCELATION USING INVERSE SPUR INJECTION	187052774		EP		
2249	DOWNLINK CONTROL SIGNALING SEGMENTATION	187052915	3577986	EP	8/15/2019	12/11/2019
2250	CONTROL SIGNALING FOR BEAM MANAGEMENT	187057542	3577788	EP	8/15/2019	12/11/2019
2251	Determining Timing Differences Between Primary and Secondary Component Carriers Having Variable Transmission Time Intervals	187058037	3577957	EP	8/15/2019	12/11/2019
2252	RADIO RESOURCE CONTROL (RRC) LIGHT CONNECTION	187068853	3578002	EP	6/26/2019	12/11/2019
2253	HANDLING OF USER EQUIPMENT COVERAGE ENHANCEMENT MODE B RADIO CAPABILITY MISMATCH DUE TO CHANGE IN USER EQUIPMENT USAGE SETTING	187068887		EP	9/23/2019	
2254	SYSTEMS METHODS AND DEVICES FOR VIRTUAL RESOURCE METRIC MANAGEMENT	187069141	3580894	EP	8/15/2019	12/18/2019
2255	MANAGEMENT OF VOICE SERVICES FOR USER EQUIPMENTS IN COVERAGE ENHANCEMENT (CE) MODE B	187071709		EP	8/15/2019	
2256	PHYSICAL DOWNLINK CONTROL CHANNEL (PDCCH) DEMODULATION REFERENCE SIGNAL (DMRS) TRANSMISSION AND RECEPTION	187075650		EP	8/15/2019	
2257	NETWORK RESOURCE MODEL TO SUPPORT NEXT GENERATION NODE B	187079967	3577857	EP	8/15/2019	12/11/2019
2258	REPORTING A NUMBER OF EFFECTIVE FREQUENCIES FOR RADIO RESOURCE MANAGEMENT PURPOSES	187080080		EP	8/13/2019	
2259	SYSTEM INFORMATION DECODING IN WIRELESS NETWORKS	187085170		EP	9/13/2019	
2260	Frequency domain based digital cancellation of modulated spur interference in LTE-CA transceivers	187088836		EP	8/23/2019	

SCHEDULE A

No.	TITLE	Filing Number	Publication Number	Jurisdiction	Filing Date	Publication Date
2261	EXIT CONDITIONS FOR CONDITIONAL HANDOVERS AND BEAM BASED MOBILITY STATE ESTIMATION	187098546		EP	8/27/2019	
2262	High Speed train in New Radio (NR)	187120662		EP	9/12/2019	
2263	CONTROL RESOURCE BLOCK SET SEARCH SPACE DESIGN	187122866		EP	8/15/2019	
2264	MONITORING CONTROL CHANNELS IN CONTROL RESOURCE SETS FOR NEW RADIO	187134846		EP	8/15/2019	
2265	DESIGN OF DOWNLINK CONTROL INFORMATION FOR WIDEBAND COVERAGE ENHANCEMENT	187144027		EP	8/15/2019	
2266	METHODS AND SYSTEMS FOR INSTANTIATING AND CONNECTING RADIO ACCESS NETWORK VIRTUALIZED NETWORK FUNCTION AND CORE NETWORK VIRTUALIZED NETWORK FUNCTION	187146626		EP	8/15/2019	
2267	PHASE TRACKING REFERENCE SIGNAL INDICATION IN MULTI-USER SUPERPOSITION TRANSMISSION	187151469		EP	8/15/2019	
2268	DETERMINATION OF NEW RADIO (NR) PHYSICAL UPLINK CONTROL CHANNEL(PUCCH) RESOURCE FOR HYBRID AUTOMATIC REPEAT REQUEST ACKNOWLEDGEMENT (HARQ-ACK) FEEDBACK	187151733		EP	8/15/2019	
2269	TRANSMISSION OF SYNCHRONIZATION SIGNALS	187152897		EP	8/15/2019	
2270	INSTANTIATION OF A VIRTUAL NETWORK FUNCTION (VNF) AS PART OF A GNODEB (GNB)	187153168		EP	8/15/2019	
2271	SYSTEMS METHODS AND DEVICES FOR SELECTING CELLULAR TIMING CONFIGURATIONS	187153762		EP	9/18/2019	
2272	SYSTEMS METHODS AND DEVICES FOR MEASUREMENT CONFIGURATION BY A SECONDARY NODE IN EN-DC	187167531		EP	8/22/2019	
2273	PARTIAL UPLINK SUBFRAME TRANSMISSIONS ON UNLICENSED CARRIERS	187167556		EP	8/23/2019	
2274	Design of Cell Specific Reference Signal (CRS) Muting for Even Further Enhanced Machine Type Communication (EFEMTC)	187168018		EP	8/23/2019	
2275	SUPPORTING SON FUNCTIONS ON NETWORK SLICE INSTANCES	187171517		EP	8/16/2019	
2276	NR (New Radio) PRACH (Physical Random Access Channel) Configuration and Multi-Beam Operation	187171780		EP	8/23/2019	
2277	DESIGN OF SCHEDULING REQUEST FOR FURTHER ENHANCED NARROWBAND INTERNET OF THINGS (feNB-IoT)	187171830		EP	8/23/2019	

SCHEDULE A

No.	TITLE	Filing Number	Publication Number	Jurisdiction	Filing Date	Publication Date
2278	Beam Recovery Frame Structure and Recovery Request for Communication Systems	187171939		EP	8/23/2019	
2279	CONTROL SIGNALING FOR DEMODULATION REFERENCE SIGNAL ANTENNA PORT INDICATION	187172010		EP	9/12/2019	
2280	ENHANCED CONDITIONAL HANDOVER	187174768		EP	8/22/2019	
2281	DOWNLINK CONTROL INFORMATION TO SUPPORT UPLINK PARTIAL SUBFRAME TRANSMISSION ON LICENSED ASSISTED ACCESS SECONDARY CELL	187174867		EP	9/20/2019	
2282	EXPIRATION HANDLING OF TWO-STAGE GRANT VALIDITY DURATION	187177738		EP	9/17/2019	
2283	TRACKING REFERENCE SIGNALS FOR NEW RADIO	187177753		EP	9/12/2019	
2284	MECHANISMS FOR HANDLING UPLINK GRANTS INDICATING DIFFERENT PHYSICAL UPLINK SHARED CHANNEL STARTING POSITIONS IN A SAME SUBFRAME	187185491		EP	9/16/2019	
2285	BEAM MANAGEMENT PROCEDURE TRIGGERING AND SIGNALING DELIVERY IN FALL-BACK MODE	187190186		EP	8/29/2019	
2286	SUPPORT OF 64 QAM FOR EFEMTC PDSCH TRANSMISSION	187193396		EP	9/23/2019	
2287	AUTONOMOUS HANDOVER FOR WIRELESS NETWORKS	187193602		EP	9/18/2019	
2288	Method for Interference Measurement in New Radio (NR) Communication Systems	187200522		EP	8/29/2019	
2289	MAXIMUM CHANNEL OCCUPANCY TIME SHARING AND CO-EXISTENCE	187206966		EP	8/30/2019	
2290	COMMON SEARCH SPACE DESIGN IN ENHANCED PHYSICAL DOWNLINK CONTROL CHANNEL	187215322		EP	8/30/2019	
2291	COMMON PHYSICAL DOWNLINK CONTROL CHANNEL (cPDCCH) DESIGN FOR MULTIFIRE WIDEBAND COVERAGE ENHANCEMENT (WCE) SYSTEMS	187215330		EP	9/30/2019	
2292	TECHNIQUES TO ENABLE PHYSICAL DOWNLINK CONTROL CHANNEL COMMUNICATIONS	187218805		EP	8/23/2019	
2293	REG BUNDLING SIZE AND DM-RS PATTERN FOR PHYSICAL DOWNLINK CONTROL CHANNEL	187222658		EP	9/2/2019	
2294	SIGNALING OF A CHANNEL STATE INFORMATION REFERENCE SIGNAL (CSI-RS) MAPPING CONFIGURATION FOR A NEW RADIO (NR) SYSTEM	187266861		EP	10/7/2019	
2295	HANDLING COLLISION FOR MINI-SLOT-BASED AND SLOT-BASED TRANSMISSION	187268891		EP	10/2/2019	
2296	ABSOLUTE POWER CONTROL TOLERANCE FOR NB-IOT/MTC	187271085		EP	9/11/2019	

SCHEDULE A

No.	TITLE	Filing Number	Publication Number	Jurisdiction	Filing Date	Publication Date
2297	DOWNLINK CONTROL INFORMATION (DCI) FORMAT FOR GRANT-LESS UPLINK TRANSMISSION (GUL)	187285036		EP	10/16/2019	
2298	GRANTLESS UPLINK (GUL) CONFIGURATION	187293071		EP	9/27/2019	
2299	QUASI CO-LOCATION (QCL) FOR ANTENNA PORTS IN NEW RADIO (NR)	187298278		EP	10/2/2019	
2300	SUPPORT OF FLEXIBLE PDCCH MONITORING IN NEW RADIO (NR)	187308879		EP	9/23/2019	
2301	SYSTEMS METHODS AND DEVICES FOR SELECTING A PUBLIC LAND MOBILE NETWORK USING COVERAGE ENHANCEMENT INDICATORS	187316831		EP	10/25/2019	
2302	GAP PATTERN DESIGN FOR NEW RADIO (NR) SYSTEMS	187319249		EP	10/7/2019	
2303	BANDWIDTH PART CONFIGURATION AND OPERATION FOR NEW RADIO (NR) WIDEBAND USER EQUIPMENT (UE)	187319272		EP	10/4/2019	
2304	New Radio (NR) Physical Uplink Structures and Schemes	187325105		EP	9/16/2019	
2305	MEASUREMENT DESIGN FOR NEXT RADIO (NR) AND LONG TERM EVOLUTION (LTE)	187329982		EP	10/10/2019	
2306	BEAMFORMED MEASUREMENT FOR NEW RADIO (NR)	187334446		EP	9/11/2019	
2307	SOUNDING REFERENCE SIGNAL SEQUENCE DESIGN	187370903		EP	10/1/2019	
2308	CHANNEL STATE INFORMATION CONCATENATION AND ANTENNA PORT MEASUREMENT	187371083		EP	10/10/2019	
2309	Paging and Essential System Information Block (SIB) Transmission in the Unlicensed Internet of Things (U-IOT) System	187374665		EP	9/16/2019	
2310	PHYSICAL RESOURCE BLOCK INDEXING FOR COEXISTENCE OF NARROW BAND CARRIER AGGREGATION AND WIDE BAND USER EQUIPMENT IN NEW RADIO	187374863		EP	10/21/2019	
2311	CONCURRENT TRANSMISSION OF ACKNOWLEDGMENT AND SCHEDULING REQUEST INFORMATION ON A CONTROL CHANNEL	187377486		EP	10/7/2019	
2312	Performance Measurements Related to Virtualized Resources	187384037		EP	9/24/2019	
2313	MEASUREMENT CONFIGURATION TECHNIQUES FOR WIDEBAND COVERAGE ENHANCEMENT (WCE)-CAPABLE DEVICES	187399688		EP	10/7/2019	
2314	SYSTEM AND METHOD FOR PHASE TRACKING REFERENCE SIGNAL (PT-RS) MULTIPLEXING	187406723		EP	10/7/2019	
2315	Access Control for User Equipment with Coverage Enhancement Level Support	187407168		EP	10/1/2019	

SCHEDULE A

No.	TITLE	Filing Number	Publication Number	Jurisdiction	Filing Date	Publication Date
2316	SYSTEMS METHODS AND DEVICES FOR LEGACY SYSTEM FALLBACK IN A CELLULAR COMMUNICATIONS SYSTEM	187409313		EP	9/24/2019	
2317	CONFIGURABILITY AND SIGNALING FOR HALF-TONE SHIFT	187428727		EP	10/2/2019	
2318	IMPROVED HANDLING OF TIMER EXPIRY FOR MT CSFB	187463476		EP	9/24/2019	
2319	CONTROL CHANNEL DESIGN FOR WIDEBAND COVERAGE ENHANCEMENT (WCE) SYSTEM INFORMATION BLOCK (SIB) TRANSMISSION	187463492		EP	11/13/2019	
2320	USER EQUIPMENT (UE) EVOLVED NODE-B (ENB) AND METHODS TO INDICATE PARAMETERS FOR A RELAY ARRANGEMENT	187471867	3577958	EP	8/15/2019	12/11/2019
2321	RETRANSMISSION MECHANISMS FOR CBG-BASED HARQ OPERATIONS	187482591	3577822	EP	8/15/2019	12/11/2019
2322	RELIABLE DATA SERVICE PROTOCOL FOR CIOT DEVICES	187484308		EP	6/28/2019	
2323	TIMING ADVANCE FOR GRANTLESS UPLINK TRANSMISSION	187499553		EP	10/15/2019	
2324	MULTIRADIO INTERFACE FOR SOFTWARE RECONFIGURATION	187559737		EP	10/28/2019	
2325	EVOLVED NODE-B (ENB) USER EQUIPMENT (UE) AND METHODS OF SWITCHING BETWEEN DIRECT AND INDIRECT COMMUNICATION FOR A RELAY ARRANGEMENT	187631056		EP	8/15/2019	
2326	MulteFire RAN1method and apparaturs for cross retransmission between GUL and SUL	187633342		EP	9/12/2019	
2327	TECHNOLOGY COORDINATION FOR DEVICE-TO-DEVICE DISCOVERY	187639935		EP	8/15/2019	
2328	DEVICES AND METHODS FOR DYNAMIC RACH	187677604		EP	10/11/2019	
2329	5G RAN4 one RRM interuption requirements for the wider bandwidth in NR	187704184		EP	9/17/2019	
2330	SCHEDULING AND HYBRID AUTOMATIC REPEAT REQUEST OPERATION AND CODEBOOK DESIGN FOR NEW RADIO CARRIER AGGREGATION	187704283		EP	10/2/2019	
2331	ENHANCED CELL SEARCH AND SYSTEM INFORMATION ACQUISITION	187716386		EP	9/17/2019	
2332	NARROWBAND INTERNET-OF-THINGS (NB-IOT) ENHACEMENTS	187718648		EP	9/12/2019	
2333	PRIORITIZED MESSAGING AND RESOURCE SELECTION IN VEHICLE-TO-VEHICLE (V2V) SIDELINK COMMUNICATION	187718747		EP	9/16/2019	
2334	DESIGN OF EARLY TERMINATION SIGNAL AND HARQ-ACK FEEDBACK FOR PUSCH	187722947		EP	9/16/2019	

SCHEDULE A

No.	TITLE	Filing Number	Publication Number	Jurisdiction	Filing Date	Publication Date
2335	BINARY STOCHASTIC TIME-TO-DIGITAL CONVERTER AND METHOD	187743729		EP	10/1/2019	
2336	RF TRANSMIT ARCHITECTURE METHODS	187750310		EP	6/26/2019	
2337	SYSTEM AND METHOD FOR BEAM MANAGEMENT PROCEDURE CONFIGURATION	187782230		EP	9/16/2019	
2338	HYBRID AUTOMATIC REPEAT REQUEST (HARQ) FOR GRANT-LESS UPLINK (GUL) AND SCHEDULED UPLINK (SUL) IN LICENSED ASSISTED ACCESS (LAA) SYSTEMS	187849104		EP	8/29/2019	
2339	5G RAN1 System and Method for numerology configuration in Non-Coherent Joint Transmission	187873831		EP	9/16/2019	
2340	NETWORK FUNCTION VIRTUALIZATION INFRASTRUCTURE PERFORMANCE	187902408		EP	9/18/2019	
2341	MULTEFIRE ARCHITECTURE FOR CELLULAR INTERNET-OF-THINGS (CIOT)	187909510		EP		
2342	MANAGEMENT OF GNB IN NETWORK FUNCTIONS VIRTUALIZATION FRAMEWORK	187916002		EP	9/17/2019	
2343	ENHANCED NETWORK SLICE MANAGEMENT FOR WIRELESS COMMUNICATIONS	187917620		EP	9/18/2019	
2344	PHYSICAL DOWNLINK CONTROL CHANNELS (PDCCH) AND ENHANCED PDCCHS (EPDCCH) IN WIDEBAND COVERAGE ENHANCEMENT (WCE) ARRANGEMENTS	187918495		EP	9/6/2019	
2345	CENTRALIZED UNIT AND DISTRIBUTED UNIT CONNECTION IN A VIRTUALIZED RADIO ACCESS NETWORK	187920244		EP	9/18/2019	
2346	5G RAN1 A Method for Interference Measurement Using Beam Management Reference Signal	187938014		EP	9/17/2019	
2347	METHODS AND ARRANGEMENTS TO SIGNAL FOR AERIAL VEHICLES	187939434		EP	10/4/2019	
2348	MULTEFIRE DESIGN OF RANDOM ACCESS CHANNEL AND RANDOM ACCESS CHANNEL PROCEDURE FOR INTERNET OF THINGS DEVICE OPERATION IN UNLICENSED SPECTRUM	187941026		EP	9/16/2019	
2349	ACCESS CONTROL MECHANISM	187944590		EP	11/5/2019	
2350	NEW RADIO CONTROL CHANNEL RESOURCE SET DESIGN	187949482		EP	10/2/2019	
2351	5G RAN1 System and method for beam and radio link monitor	188025712		EP	9/17/2019	
2352	PER UE NETWORK CONTROLLED SMALL GAP (NCSG) SIGNALLING	188027254		EP	9/27/2019	
2353	EMTC-U MEASUREMENT	188131106		EP	10/1/2019	
2354	APPARATUS OF GNB TO ENABLE AN INACTIVE MODE IN DUAL	188166938		EP	9/12/2019	

SCHEDULE A

No.	TITLE	Filing Number	Publication Number	Jurisdiction	Filing Date	Publication Date
	CONNECTIVITY					
2355	MulteFire RAN1 Design of frame structure and configuration for eMTCU system	188177893		EP	10/1/2019	
2356	POWER RAMPING AND CONTROL IN NEW RADIO (NR) DEVICES	188182604		EP	9/12/2019	
2357	ENHANCEMENT ON SCHEDULING AND HARQ-ACK FEEDBACK FOR URLLC MULTIPLEXING SCHEME FOR CONTROL/DATA CHANNEL AND DM-RS FOR NR AND ACTIVATION MECHANISM SCHEDULING ASPECTS AND SYNCHRONIZATION SIGNAL (SS) BLOCKS FOR NEW RADIO (NR) SYSTEM WITH MULTIPLE BANDWIDTH PARTS (BWPS)	188187405		EP	11/6/2019	
2358	RESOURCE ELEMENT (RE) MAPPING IN NEW RADIO (NR)	188189179		EP	9/19/2019	
2359	COLLISION HANDLING OF SYNCHRONIZATION SIGNAL (SS) BLOCKS	188198105		EP	10/11/2019	
2360	MULTEFIRE ARCHITECTURE SUPPORTING ACCESS CLASSES AND BARRING	188203707		EP	9/16/2019	
2361	DEVICES AND METHODS FOR FLOW-CONTROL TRIGGERING AND FEEDBACK	188204614		EP	11/5/2019	
2362	DEVICES AND METHODS FOR UE-SPECIFIC RAN-CN ASSOCIATIONS	188206676		EP	11/4/2019	
2363	COLLISION HANDLING OF REFERENCE SIGNALS	188234215		EP	10/17/2019	
2364	UPLINK CONTROL INFORMATION (UCI) TRANSMISSION AND HYBRID AUTOMATIC REPEAT REQUEST (HARQ) PROCESS IDENTIFICATION FOR GRANT-FREE PHYSICAL UPLINK SHARED CHANNEL (PUSCH)	188239933		EP	10/7/2019	
2365	DEMODULATION REFERENCE SIGNAL FOR PHYSICAL BROADCAST CHANNEL IN NEW RADIO	188384481		EP	9/30/2019	
2366	SCRAMBLING OF PHYSICAL BROADCAST CHANNEL (PBCH)	188385694		EP	11/12/2019	
2367	5G RAN1 System and Method for Robust UL Codebook based Transmission	188391379		EP	9/16/2019	
2368	DYNAMIC CONFIGURATION OF UPLINK (UL) AND DOWNLINK (DL) FRAME RESOURCES FOR A TIME DIVISION DUPLEX (TDD) TRANSMISSION	191736925	3544221	EP	5/10/2019	9/25/2019
2369	DEVICE AND METHOD FOR RADIO ACCESS TECHNOLOGY SEARCH	191959030		EP	9/6/2019	
2370	POLAR TRANSMITTER WITH JOINED MODULATOR			EP		
2371	NETWORK ASSISTED DEVICE TO DEVICE DISCOVERY			EP		

SCHEDULE A

No.	TITLE	Filing Number	Publication Number	Jurisdiction	Filing Date	Publication Date
2372	EXTENDED PAGING DISCONTINUOUS RECEPTION (DRX) CYCLES IN WIRELESS COMMUNICATION NETWORKS			EP		
2373	DRX OPERATION FOR UL/DL RECONFIGURATION			EP		
2374	METHOD AND EVOLVED NODE-B FOR GEOGRAPHIC BIN DATA COLLECTION AND REPORTING			EP		
2375	POWER HEADROOM REPORTING WITH DUAL CONNECTIVITY			EP		
2376	LOAD BALANCING SCHEMES FOR IDLE MODE USER EQUIPMENT			EP		
2377	AT COMMAND FOR SECURE ESM INFORMATION			EP		
2378	CONTEXT-RETENTION CONTROLLER AND METHOD FOR CONTEXT RETENTION IN WIRELESS ACCESS NETWORKS	128463478	2774432	ES		9/10/2014
2379	A METHOD AND SYSTEM FOR THE MANAGEMENT OF CELL INTERFERENCE IN A WIRELESS COMMUNICATION NETWORK	138705876	2944135	ES		11/18/2015
2380	IMPROVED TECHNIQUES FOR USER PLANE CONGESTION MITIGATION	138710751	2944115	ES		11/18/2015
2381	CONTENT URL AUTHENTICATION FOR DASH	138719356	2946583	ES		11/25/2015
2382	APPARATUS SYSTEM AND METHOD OF COMMUNICATING NON-CELLULAR ACCESS NETWORK INFORMATION OVER A CELLULAR NETWORK	138721980	2946607	ES		11/25/2015
2383	NETWORK ASSISTED DEVICE TO DEVICE DISCOVERY	138753611	2959734	ES		12/30/2015
2384	UE BASED D2D DISCOVERY	138757950	2959735	ES		12/30/2015
2385	USER EQUIPMENT WITH REDUCED POWER CONSUMPTION OPERATIONAL MODES	138760301	2959729	ES		12/30/2015
2386	MULTICAST-BASED GROUP COMMUNICATIONS IN AD HOC ARRANGEMENTS OF WIRELESS DEVICES	138763842	2962521	ES		1/6/2016
2387	QUALITY-AWARE RATE ADAPTATION TECHNIQUES FOR DASH STREAMING	138805379	2979414	ES		2/3/2016
2388	EXTENDED PAGING DISCONTINUOUS RECEPTION (DRX) CYCLES IN WIRELESS COMMUNICATION NETWORKS	138806229	2979504	ES		2/3/2016
2389	CONTROL OF WLAN SELECTION POLICIES IN ROAMING SCENARIOS	138806237	2979499	ES		2/3/2016
2390	RADIO LINK MONITORING FOR EPDCCCH	138808100	2982154	ES		2/10/2016
2391	SMALL DATA COMMUNICATIONS	138840335	2995019	ES		3/16/2016
2392	MULTIPLE RADIO LINK CONTROL (RLC) GROUPS	138845284	2997670	ES		3/23/2016
2393	LINK-AWARE STREAMING ADAPTATION	147566350	2962435	ES		1/6/2016
2394	RADIO ACCESS TECHNOLOGY SELECTION IN A HETEROGENEOUS NETWORK	147571194	2962497	ES		1/6/2016

SCHEDULE A

No.	TITLE	Filing Number	Publication Number	Jurisdiction	Filing Date	Publication Date
2395	TECHNIQUES FOR WIRELESS NETWORK DISCOVERY AND SELECTION SUPPORT	147725709	2979497	ES		2/3/2016
2396	QUALITY OF EXPERIENCE AWARE MULTIMEDIA ADAPTIVE STREAMING	147742142	2979427	ES		2/3/2016
2397	PROVISIONING OF APPLICATION CATEGORIES AT A USER EQUIPMENT DURING NETWORK CONGESTION	147760011	2979495	ES		2/3/2016
2398	NETWORK ASSISTED INTERFERENCE CANCELLATION AND SUPPRESSION WITH RESPECT TO INTERFERING CONTROL CHANNEL TRANSMISSIONS	147763288	2979413	ES		2/3/2016
2399	AN APPARATUS AND METHOD FOR CONGESTION CONTROL IN WIRELESS COMMUNICATION NETWORKS	147879878	2989829	ES		3/2/2016
2400	THROUGHPUT CHARACTERIZATION	147949820	2995022	ES		3/16/2016
2401	USER EQUIPMENT AND METHODS FOR CODEBOOK SUBSAMPLING FOR ENHANCED 4TX CODEBOOKS	148044126	3005636	ES		4/13/2016
2402	APPARATUS SYSTEM AND METHOD OF SELECTIVELY PROVIDING INTERNET PROTOCOL (IP) SESSION CONTINUITY	148291107	3025533	ES		6/1/2016
2403	DOWNTILT SELECTION IN A FULL DIMENSIONAL MULTIPLE-INPUT MULTIPLE-OUTPUT SYSTEM	148291487	3025435	ES		6/1/2016
2404	COOPERATIVE MULTIPLE BEAM TRANSMISSION	148337041	3031145	ES		6/15/2016
2405	SIGNALING RADIO BEARER OPTIMIZATIONS AND OTHER TECHNIQUES FOR SUPPORTING SMALL DATA TRANSMISSIONS	148341522	3031284	ES		6/15/2016
2406	METHOD APPARATUS AND SYSTEM FOR ELECTRICAL DOWNTILT ADJUSTMENT IN A MULTIPLE INPUT MULTIPLE OUTPUT SYSTEM	148347701	3031146	ES		6/15/2016
2407	METHOD AND SYSTEM OF ADVANCED INTERFERENCE CANCELLATION ON PDSCH AT THE UE	148347768	3031152	ES		6/15/2016
2408	SIGNALING FOR PROXIMITY SERVICES AND D2D DISCOVERY IN AN LTE NETWORK	148350218	3031272	ES		6/15/2016
2409	NETWORK MANAGEMENT	148354210	3031295	ES		6/15/2016
2410	TECHNIQUES AND CONFIGURATIONS ASSOCIATED WITH MACHINE TYPE COMMUNICATION IN ENHANCED COVERAGE MODE	148451743	3047579	ES		7/27/2016
2411	CONGESTION MEASUREMENT AND REPORTING FOR REAL-TIME DELAY-SENSITIVE APPLICATIONS	148454549	3047672	ES		7/27/2016
2412	CONGESTION CONTROL FOR SHORT MESSAGE SERVICE IN 3RD GENERATION PARTNERSHIP PROJECT (3GPP) SYSTEMS	148462658	3047674	ES		7/27/2016
2413	USER EQUIPMENT AND METHODS FOR FAST HANDOVER FAILURE RECOVERY IN 3GPP LTE NETWORK	148465529	3047679	ES		7/27/2016

SCHEDULE A

No.	TITLE	Filing Number	Publication Number	Jurisdiction	Filing Date	Publication Date
2414	GENERATION OF RANDOM ACCESS PREAMBLES	148466865	3047600	ES		7/27/2016
2415	SYSTEMS METHODS AND DEVICES WITH DIFFERENT RADIO LINK FAILURE TIMERS BASED ON USER EQUIPMENT SPEED	148478043	3064027	ES		9/7/2016
2416	SYSTEMS METHODS AND DEVICES FOR TRAFFIC OFFLOADING	148482250	3050349	ES		8/3/2016
2417	REDUCTION OF PACKET RETRANSMISSIONS IN DUAL CONNECTIVITY SYSTEMS	148483605	3050352	ES		8/3/2016
2418	SIGNALING EXTENDED EARFCN AND E-UTRA BANDS IN UMTS NETWORKS	148569197	3064012	ES		9/7/2016
2419	SYSTEMS METHODS AND DEVICES FOR EFFICIENT DEVICE-TO-DEVICE CHANNEL CONTENTION	148581481	3064016	ES		9/7/2016
2420	RESOURCE SELECTION IN DEVICE TO DEVICE COMMUNICATION	148583065	3064007	ES		9/7/2016
2421	USER EQUIPMENT AND EVOLVED NODE-B AND METHODS FOR OPERATION IN A COVERAGE ENHANCEMENT MODE	148588601	3063883	ES		9/7/2016
2422	USER EQUIPMENT AND METHODS OF BEARER OPERATION FOR CARRIER AGGREGATION	148591456	3063982	ES		9/7/2016
2423	METHOD AND EVOLVED NODE-B FOR GEOGRAPHIC BIN DATA COLLECTION AND REPORTING	148773344	3092842	ES		11/16/2016
2424	APPARATUS SYSTEM AND METHOD OF PROVIDING OFFLOADABILITY INFORMATION TO A USER-EQUIPMENT (UE)	157331240	3092845	ES		11/16/2016
2425	SYSTEMS AND METHODS FOR MODULATION AND CODING SCHEME SELECTION AND CONFIGURATION	157332461	3092761	ES		11/16/2016
2426	DISCONTINUOUS RECEPTION (DRX) ALIGNMENT TECHNIQUES FOR DUAL-CONNECTIVITY ARCHITECTURES	157333139	3092854	ES		11/16/2016
2427	DOWNLINK CONTROL INFORMATION (DCI) DESIGN FOR LTE DEVICES	157483660	3202073	ES		8/9/2017
2428	SCHEDULING FOR AN UNLICENSED CARRIER TYPE	157524422	3111569	ES		1/4/2017
2429	CIRCUIT SWITCHED FALLBACK	157525577	3111699	ES		1/4/2017
2430	USER EQUIPMENT COMPUTER READABLE MEDIUM AND METHOD TO DETERMINE THE MOBILITY OF USER EQUIPMENT IN A LONG-TERM EVOLUTION NETWORK	157527573	3111692	ES		1/4/2017
2431	SYSTEMS METHODS AND DEVICES FOR DEVICE-TO-DEVICE COMMUNICATION MODE SELECTION	157616236	3117673	ES		1/18/2017
2432	SYSTEMS METHODS AND DEVICES FOR DEVICE-TO-DEVICE DISCOVERY AND COMMUNICATION	157619610	3117543	ES		1/18/2017
2433	SMOOTH UE TRANSFER WITHIN AN EVOLVED PACKET CORE	157628652	3198941	ES		8/2/2017

SCHEDULE A

No.	TITLE	Filing Number	Publication Number	Jurisdiction	Filing Date	Publication Date
2434	METHODS SYSTEMS AND DEVICES FOR MODULATION AND CODING SCHEME SIGNALING FOR COMMON CONTROL CHANNEL	157652991	3120477	ES		1/25/2017
2435	SYSTEMS METHODS AND DEVICES FOR RADIO ACCESS TECHNOLOGY COORDINATION	157714718	3262887	ES		1/3/2018
2436	USER EQUIPMENT AND METHODS FOR HANDOVER INITIATION	157822800	3135058	ES		3/1/2017
2437	USER EQUIPMENT AND METHODS FOR MEASUREMENT OF REFERENCE SIGNAL RECEIVED QUALITY	157853805	3138316	ES		3/8/2017
2438	SYSTEMS METHODS AND DEVICES FOR DIRECT DEVICE TO DEVICE COMMUNICATION USING ENCAPSULATION	157910936	3248437	ES		11/29/2017
2439	DEVICES AND METHOD FOR RETRIEVING AND UTILIZING NEIGHBORING WLAN INFORMATION FOR LTE LAA OPERATION	158028233	3149993	ES		4/5/2017
2440	MEASUREMENT GAP ENHANCEMENT TO REDUCE MEASUREMENT DELAY	158288969	3295704	ES		3/21/2018
2441	VIRTUALIZED NETWORK FUNCTION MANAGEMENT	158304634	3178199	ES		6/14/2017
2442	NETWORK DISCOVERY AND BEAM ACQUISITION FOR BEAM CELLOPERATION	158346924	3329608	ES		6/6/2018
2443	INTERACTIVE ZOOMING IN VIDEO CONFERENCING	161688809	3094063	ES		11/16/2016
2444	TECHNIQUES FOR WIRELESS NETWORK DISCOVERY AND SELECTION SUPPORT	161690441	3086602	ES		10/26/2016
2445	DRX OPERATION FOR UL/DL RECONFIGURATION	161702980	3101824	ES		12/7/2016
2446	RADIO RESOURCE MANAGEMENT (RRM) REPORTING FOR LICENSED ASSISTED ACCESS (LAA)	167060672	3251402	ES		12/6/2017
2447	DETERMINATION OF NUMBER OF PHYSICAL UPLINK CONTROL CHANNEL REPETITIONS FOR MACHINE TYPE COMMUNICATIONS	167167592	3353935	ES		8/1/2018
2448	SIGNALING FOR PROXIMITY SERVICES AND D2D DISCOVERY IN AN LTE NETWORK	171654403	3209039	ES		8/23/2017
2449	COVERAGE EXTENSION LEVEL FOR COVERAGE LIMITED DEVICE	171705387	3229517	ES		10/11/2017
2450	UE BASED D2D DISCOVERY	172007726	3300398	ES		3/28/2018
2451	APPARATUS SYSTEM AND METHOD OF CELLULAR NETWORK COMMUNICATIONS CORRESPONDING TO A NON-CELLULAR NETWORK			ES		
2452	CONTROL OF TRAFFIC FROM APPLICATIONS WHEN THIRD PARTY SERVERS ENCOUNTER PROBLEMS			ES		
2453	EMISSION SUPPRESSION FOR WIRELESS COMMUNICATION DEVICES	111653572	2395670	FR	1/4/2017	12/14/2011

SCHEDULE A

No.	TITLE	Filing Number	Publication Number	Jurisdiction	Filing Date	Publication Date
2454	SYSTEMS AND METHODS FOR SPURIOUS EMISSION CANCELLATION	111806261	2432131	FR	11/30/2016	3/21/2012
2455	METHOD AND SYSTEM FOR CONTROLLING SIGNAL TRANSMISSION OF A WIRELESS COMMUNICATION DEVICE	121540777	2509219	FR		10/10/2012
2456	SYSTEM AND METHOD FOR TUNING AN ANTENNA IN A WIRELESS COMMUNICATION DEVICE	121600852	2503701	FR		9/26/2012
2457	SYSTEM AND METHOD FOR ESTIMATING AND CORRECTING PHASE SHIFT IN A WIRELESS COMMUNICATION DEVICE	121720734	2541764	FR	1/26/2015	1/2/2013
2458	SYSTEM AND METHOD FOR REDUCING OR ELIMINATING TEMPERATURE DEPENDENCE OF A COHERENT RECEIVER IN A WIRELESS COMMUNICATION DEVICE	121780407	2560286	FR		2/20/2013
2459	CONTEXT-RETENTION CONTROLLER AND METHOD FOR CONTEXT RETENTION IN WIRELESS ACCESS NETWORKS	128463478	2774432	FR	4/15/2014	9/10/2014
2460	METHOD AND SYSTEM FOR CONTROLLING SIGNAL TRANSMISSION OF A WIRELESS COMMUNICATION DEVICE	131634487	2615735	FR		7/24/2013
2461	IMPROVED CHANNEL QUALITY INFORMATION FEEDBACK TECHNIQUE	138703111	2941833	FR		11/11/2015
2462	A METHOD AND SYSTEM FOR THE MANAGEMENT OF CELL INTERFERENCE IN A WIRELESS COMMUNICATION NETWORK	138705876	2944135	FR	6/10/2015	11/18/2015
2463	IMPROVED TECHNIQUES FOR USER PLANE CONGESTION MITIGATION	138710751	2944115	FR		11/18/2015
2464	CONTENT URL AUTHENTICATION FOR DASH	138719356	2946583	FR		11/25/2015
2465	APPARATUS SYSTEM AND METHOD OF COMMUNICATING NON-CELLULAR ACCESS NETWORK INFORMATION OVER A CELLULAR NETWORK	138721980	2946607	FR		11/25/2015
2466	NETWORK ASSISTED DEVICE TO DEVICE DISCOVERY	138753611	2959734	FR		12/30/2015
2467	SYSTEMS AND METHODS FOR ACCESS NETWORK SELECTION AND TRAFFIC ROUTING	138757877	2959726	FR		12/30/2015
2468	UE BASED D2D DISCOVERY	138757950	2959735	FR		12/30/2015
2469	USER EQUIPMENT WITH REDUCED POWER CONSUMPTION OPERATIONAL MODES	138760301	2959729	FR		12/30/2015
2470	MULTICAST-BASED GROUP COMMUNICATIONS IN AD HOC ARRANGEMENTS OF WIRELESS DEVICES	138763842	2962521	FR		1/6/2016
2471	WIRELESS LOCAL AREA NETWORK (WLAN) TRAFFIC OFFLOADING	138764816	2962485	FR		1/6/2016
2472	QUALITY-AWARE RATE ADAPTATION TECHNIQUES FOR DASH STREAMING	138805379	2979414	FR		2/3/2016

SCHEDULE A

No.	TITLE	Filing Number	Publication Number	Jurisdiction	Filing Date	Publication Date
2473	EXTENDED PAGING DISCONTINUOUS RECEPTION (DRX) CYCLES IN WIRELESS COMMUNICATION NETWORKS	138806229	2979504	FR		2/3/2016
2474	CONTROL OF WLAN SELECTION POLICIES IN ROAMING SCENARIOS	138806237	2979499	FR	8/27/2015	2/3/2016
2475	RADIO LINK MONITORING FOR EPDCCH	138808100	2982154	FR		2/10/2016
2476	WIRELESS TRANSMISSION PRECODING	138829262	2989726	FR		3/2/2016
2477	SMALL DATA COMMUNICATIONS	138840335	2995019	FR		3/16/2016
2478	MULTIPLE RADIO LINK CONTROL (RLC) GROUPS	138845284	2997670	FR		3/23/2016
2479	LINK-AWARE STREAMING ADAPTATION	147566350	2962435	FR		1/6/2016
2480	RADIO ACCESS TECHNOLOGY SELECTION IN A HETEROGENEOUS NETWORK	147571194	2962497	FR		1/6/2016
2481	TECHNIQUES FOR WIRELESS NETWORK DISCOVERY AND SELECTION SUPPORT	147725709	2979497	FR		2/3/2016
2482	QUALITY OF EXPERIENCE AWARE MULTIMEDIA ADAPTIVE STREAMING	147742142	2979427	FR	8/24/2015	2/3/2016
2483	PROVISIONING OF APPLICATION CATEGORIES AT A USER EQUIPMENT DURING NETWORK CONGESTION	147760011	2979495	FR		2/3/2016
2484	NETWORK ASSISTED INTERFERENCE CANCELLATION AND SUPPRESSION WITH RESPECT TO INTERFERING CONTROL CHANNEL TRANSMISSIONS	147763288	2979413	FR		2/3/2016
2485	AN APPARATUS AND METHOD FOR CONGESTION CONTROL IN WIRELESS COMMUNICATION NETWORKS	147879878	2989829	FR		3/2/2016
2486	USER EQUIPMENT AND METHODS FOR ADAPTING SYSTEM PARAMETERS BASED ON EXTENDED PAGING CYCLES	147887418	2989842	FR		3/2/2016
2487	WIRELESS LOCAL AREA NETWORK (WLAN) SELECTION RULES	147888325	2989833	FR		3/2/2016
2488	THROUGHPUT CHARACTERIZATION	147949820	2995022	FR	10/16/2015	3/16/2016
2489	EFFICIENT USER SERVICE OR CONTENT REPRESENTATION FOR DEVICE COMMUNICATION	148035934	3005584	FR		4/13/2016
2490	USER EQUIPMENT AND METHODS FOR CODEBOOK SUBSAMPLING FOR ENHANCED 4TX CODEBOOKS	148044126	3005636	FR		4/13/2016
2491	APPARATUS SYSTEM AND METHOD OF SELECTIVELY PROVIDING INTERNET PROTOCOL (IP) SESSION CONTINUITY	148291107	3025533	FR		6/1/2016
2492	DOWNTILT SELECTION IN A FULL DIMENSIONAL MULTIPLE-INPUT MULTIPLE-OUTPUT SYSTEM	148291487	3025435	FR		6/1/2016
2493	COOPERATIVE MULTIPLE BEAM TRANSMISSION	148337041	3031145	FR		6/15/2016
2494	POWER SAVING MODE OPTIMIZATIONS AND RELATED PROCEDURES	148339278	3030950	FR		6/15/2016

SCHEDULE A

No.	TITLE	Filing Number	Publication Number	Jurisdiction	Filing Date	Publication Date
2495	SIGNALING RADIO BEARER OPTIMIZATIONS AND OTHER TECHNIQUES FOR SUPPORTING SMALL DATA TRANSMISSIONS	148341522	3031284	FR		6/15/2016
2496	USER EQUIPMENT AND METHOD FOR PACKET BASED DEVICE-TO-DEVICE (D2D) DISCOVERY IN AN LTE NETWORK	148347065	3031189	FR		6/15/2016
2497	COVERAGE EXTENSION LEVEL FOR COVERAGE LIMITED DEVICE	148347107	3031147	FR		6/15/2016
2498	METHOD APPARATUS AND SYSTEM FOR ELECTRICAL DOWNTILT ADJUSTMENT IN A MULTIPLE INPUT MULTIPLE OUTPUT SYSTEM	148347701	3031146	FR		6/15/2016
2499	METHOD AND SYSTEM OF ADVANCED INTERFERENCE CANCELLATION ON PDSCH AT THE UE	148347768	3031152	FR		6/15/2016
2500	SIGNALING FOR PROXIMITY SERVICES AND D2D DISCOVERY IN AN LTE NETWORK	148350218	3031272	FR		6/15/2016
2501	COVERAGE EXTENSION LEVEL FOR COVERAGE LIMITED DEVICE	148351059	3031150	FR		6/15/2016
2502	NETWORK MANAGEMENT	148354210	3031295	FR		6/15/2016
2503	TECHNIQUES AND CONFIGURATIONS ASSOCIATED WITH MACHINE TYPE COMMUNICATION IN ENHANCED COVERAGE MODE	148451743	3047579	FR		7/27/2016
2504	CONGESTION MEASUREMENT AND REPORTING FOR REAL-TIME DELAY-SENSITIVE APPLICATIONS	148454549	3047672	FR		7/27/2016
2505	CONGESTION CONTROL FOR SHORT MESSAGE SERVICE IN 3RD GENERATION PARTNERSHIP PROJECT (3GPP) SYSTEMS	148462658	3047674	FR		7/27/2016
2506	TRANSMISSION OF PHYSICAL BROADCAST CHANNEL (PBCH) CONTENTS	148464258	3047581	FR		7/27/2016
2507	USER EQUIPMENT AND METHODS FOR FAST HANDOVER FAILURE RECOVERY IN 3GPP LTE NETWORK	148465529	3047679	FR		7/27/2016
2508	GENERATION OF RANDOM ACCESS PREAMBLES	148466865	3047600	FR		7/27/2016
2509	MITIGATION OF TRAFFIC CONGESTION IN DUAL CONNECTIVITY SYSTEMS	148470339	3050348	FR		8/3/2016
2510	SYSTEMS METHODS AND DEVICES WITH DIFFERENT RADIO LINK FAILURE TIMERS BASED ON USER EQUIPMENT SPEED	148478043	3064027	FR		9/7/2016
2511	SYSTEMS METHODS AND DEVICES FOR TRAFFIC OFFLOADING	148482250	3050349	FR		8/3/2016
2512	REDUCTION OF PACKET RETRANSMISSIONS IN DUAL CONNECTIVITY SYSTEMS	148483605	3050352	FR		8/3/2016
2513	SIGNALING EXTENDED EARFCN AND E-UTRA BANDS IN UMTS NETWORKS	148569197	3064012	FR		9/7/2016

SCHEDULE A

No.	TITLE	Filing Number	Publication Number	Jurisdiction	Filing Date	Publication Date
2514	SYSTEMS METHODS AND DEVICES FOR EFFICIENT DEVICE-TO-DEVICE CHANNEL CONTENTION	148581481	3064016	FR		9/7/2016
2515	RESOURCE SELECTION IN DEVICE TO DEVICE COMMUNICATION	148583065	3064007	FR		9/7/2016
2516	USER EQUIPMENT AND EVOLVED NODE-B AND METHODS FOR OPERATION IN A COVERAGE ENHANCEMENT MODE	148588601	3063883	FR		9/7/2016
2517	USER EQUIPMENT AND METHODS OF BEARER OPERATION FOR CARRIER AGGREGATION	148591456	3063982	FR		9/7/2016
2518	METHOD AND EVOLVED NODE-B FOR GEOGRAPHIC BIN DATA COLLECTION AND REPORTING	148773344	3092842	FR		11/16/2016
2519	SYSTEM AND METHOD FOR TUNING AN ANTENNA IN A WIRELESS COMMUNICATION DEVICE	151713989	2947781	FR		11/25/2015
2520	PHASE TRACKER FOR A PHASE LOCKED LOOP	151814787	3001567	FR		3/30/2016
2521	APPARATUS AND METHODS FOR A CAPACITIVE DIGITAL-TO- ANALOG CONVERTER BASED POWER AMPLIFIER	151943966	3035526	FR		6/22/2016
2522	CALIBRATING RF PATH DELAY AND IQ PHASE IMBALANCE FOR POLAR TRANSMIT SYSTEM	151947926	3035625	FR		6/22/2016
2523	METHOD FOR SHARING A WIRELESS TRANSMISSION MEDIUM IN A TERMINAL DEVICE AND WIRELESS COMMUNICATION DEVICE AND WIRELESS COMMUNICATION CIRCUIT RELATED THERETO	152019667	3185646	FR		6/28/2017
2524	APPARATUS SYSTEM AND METHOD OF PROVIDING OFFLOADABILITY INFORMATION TO A USER-EQUIPMENT (UE)	157331240	3092845	FR		11/16/2016
2525	SYSTEMS AND METHODS FOR MODULATION AND CODING SCHEME SELECTION AND CONFIGURATION	157332461	3092761	FR		11/16/2016
2526	SYSTEMS METHODS AND DEVICES FOR ENHANCING SPECTRAL EFFICIENCY WITH NETWORK-ASSISTED ADVANCED RECEIVERS	157332735	3092728	FR		11/16/2016
2527	DISCONTINUOUS RECEPTION (DRX) ALIGNMENT TECHNIQUES FOR DUAL-CONNECTIVITY ARCHITECTURES	157333139	3092854	FR		11/16/2016
2528	APPARATUSES SYSTEMS AND METHODS FOR PAGING ENHANCEMENTS FOR LOW COMPLEXITY USER EQUIPMENT	157382177	3165017	FR		5/10/2017
2529	ENABLING D2D FUNCTIONALITY FOR PUBLIC SAFETY APPLICATIONS	157437674	3100522	FR		12/7/2016
2530	DOWNLINK CONTROL INFORMATION (DCI) DESIGN FOR LTE DEVICES	157483660	3202073	FR		8/9/2017
2531	SCHEDULING FOR AN UNLICENSED CARRIER TYPE	157524422	3111569	FR		1/4/2017

SCHEDULE A

No.	TITLE	Filing Number	Publication Number	Jurisdiction	Filing Date	Publication Date
2532	CIRCUIT SWITCHED FALLBACK	157525577	3111699	FR		1/4/2017
2533	USER EQUIPMENT COMPUTER READABLE MEDIUM AND METHOD TO DETERMINE THE MOBILITY OF USER EQUIPMENT IN A LONG-TERM EVOLUTION NETWORK	157527573	3111692	FR		1/4/2017
2534	SYSTEMS METHODS AND DEVICES FOR DEVICE-TO-DEVICE COMMUNICATION MODE SELECTION	157616236	3117673	FR		1/18/2017
2535	SYSTEMS METHODS AND DEVICES FOR DEVICE-TO-DEVICE DISCOVERY AND COMMUNICATION	157619610	3117543	FR		1/18/2017
2536	SMOOTH UE TRANSFER WITHIN AN EVOLVED PACKET CORE	157628652	3198941	FR		8/2/2017
2537	METHODS SYSTEMS AND DEVICES FOR MODULATION AND CODING SCHEME SIGNALING FOR COMMON CONTROL CHANNEL	157652991	3120477	FR		1/25/2017
2538	SYSTEMS METHODS AND DEVICES FOR RADIO ACCESS TECHNOLOGY COORDINATION	157714718	3262887	FR		1/3/2018
2539	USER EQUIPMENT AND METHODS FOR HANDOVER INITIATION	157822800	3135058	FR		3/1/2017
2540	USER EQUIPMENT AND METHODS FOR MEASUREMENT OF REFERENCE SIGNAL RECEIVED QUALITY	157853805	3138316	FR		3/8/2017
2541	SYSTEMS METHODS AND DEVICES FOR DIRECT DEVICE TO DEVICE COMMUNICATION USING ENCAPSULATION	157910936	3248437	FR		11/29/2017
2542	DEVICES AND METHOD FOR RETRIEVING AND UTILIZING NEIGHBORING WLAN INFORMATION FOR LTE LAA OPERATION	158028233	3149993	FR		4/5/2017
2543	VIRTUAL MOBILE MANAGEMENT ENTITY MANAGEMENT	158288944	3329703	FR		6/6/2018
2544	MEASUREMENT GAP ENHANCEMENT TO REDUCE MEASUREMENT DELAY	158288969	3295704	FR		3/21/2018
2545	VIRTUALIZED NETWORK FUNCTION MANAGEMENT	158304634	3178199	FR		6/14/2017
2546	NETWORK DISCOVERY AND BEAM ACQUISITION FOR BEAM CELLOPERATION	158346924	3329608	FR		6/6/2018
2547	SYSTEM AND METHOD OF HANDLING UPLINK TRANSMISSION COLLISION FOR ENHANCED COVERAGE MODE UES	158446815	3198778	FR		8/2/2017
2548	UPLINK TRAFFIC CONTROL METHOD IN TIGHTLY INTEGRATED WIFI/LTE	158508911	3207738	FR		8/23/2017
2549	QUANTIZED EIGEN BEAMS FOR CONTROLLING ANTENNA ARRAY ELEMENTS IN A WIRELESS NETWORK	158600882	3221982	FR		9/27/2017
2550	PDCP STATUS REPORTING FOR MULTI-RAT OFFLOADING	158927913	3298820	FR		3/28/2018
2551	METHOD AND DEVICE FOR CANCELING A BIAS OF A RADIO CHANNEL SEQUENCE	161515804	3062447	FR		8/31/2016

SCHEDULE A

No.	TITLE	Filing Number	Publication Number	Jurisdiction	Filing Date	Publication Date
2552	METHOD FOR PERFORMING MOBILE COMMUNICATIONS AND MOBILE TERMINAL DEVICE	161523261	3068090	FR		9/14/2016
2553	HYSTERETIC CURRENT CONTROL WITH EVENT DITHERING	161523279	3068045	FR		9/14/2016
2554	METHOD AND DEVICE FOR PROTECTING A DATA TRANSPORT BLOCK AGAINST MEMORY ERRORS AND TRANSMISSION ERRORS	161536420	3070865	FR		9/21/2016
2555	MAPPING DATA PRIORITY TO CHANNEL QUALITY IN UPLINK CARRIER AGGREGATION	161536776	3070871	FR		9/21/2016
2556	PHASED ARRAY WEIGHTING FOR POWER EFFICIENCY IMPROVEMENT WITH HIGH PEAK-TO-AVERAGE POWER RATIO SIGNALS	161539010	3073572	FR		9/28/2016
2557	ADJUSTING POWER AMPLIFIER STIMULI BASED ON OUTPUT SIGNALS	161545793	3070839	FR		9/21/2016
2558	METHOD FOR PERFORMING MOBILE COMMUNICATIONS AND MOBILE RADIO COMMUNICATION TERMINAL DEVICE	161547146	3073785	FR		9/28/2016
2559	APPARATUSES AND METHODS FOR COMPENSATING PHASE FLUCTUATIONS	161598743	3217554	FR		9/13/2017
2560	APPARATUSES AND METHODS FOR GENERATING A SECOND DIGITAL SIGNAL BASED ON A FIRST DIGITAL SIGNAL	161632534	3226499	FR		10/4/2017
2561	COMMUNICATION TERMINAL AND METHOD FOR ESTABLISHING A CSFB CALL	161641279	3091784	FR		11/9/2016
2562	METHOD AND DEVICE FOR MITIGATING INTERFERENCE DUE TO A WIRELESS CHARGING SIGNAL	161687496	3244542	FR		11/15/2017
2563	INTERACTIVE ZOOMING IN VIDEO CONFERENCING	161688809	3094063	FR		11/16/2016
2564	METHODS AND DEVICES FOR CIRCUIT-SWITCHED FALLBACK PROCEDURES	161689419	3244655	FR		11/15/2017
2565	TECHNIQUES FOR WIRELESS NETWORK DISCOVERY AND SELECTION SUPPORT	161690441	3086602	FR		10/26/2016
2566	DRX OPERATION FOR UL/DL RECONFIGURATION	161702980	3101824	FR		12/7/2016
2567	Architecture and Control of Analog Self-Interference Cancellation	161711882	3110018	FR		12/28/2016
2568	MOBILE TERMINAL DEVICES AND METHODS OF PERFORMING RADIO MEASUREMENTS	161711890	3110200	FR		12/28/2016
2569	DEVICE AND METHOD FOR RECOVERING SERVICES FROM NETWORK REJECTIONS TO WIRELESS COMMUNICATION DEVICES	161723937	3253172	FR		12/6/2017
2570	COMMUNICATION TERMINAL AND METHOD FOR USING A SHARED RADIO COMMUNICATION COMPONENT	161761184	3261401	FR		12/27/2017

SCHEDULE A

No.	TITLE	Filing Number	Publication Number	Jurisdiction	Filing Date	Publication Date
2571	METHOD AND DEVICE FOR MITIGATING INTERFERENCE IN COLLOCATED TRANSCIEVERS	161774773	3264619	FR		1/3/2018
2572	DECODING DEVICE AND METHOD USING CONTEXT REDUNDANCY	161799705	3273604	FR		1/24/2018
2573	HYBRID I/Q AND POLAR TRANSMITTER	161845367	3148093	FR		3/29/2017
2574	APPARATUSES AND METHODS FOR MEASURING NEIGHBORING INTER-FREQUENCY OR INTER-RAT CELLS	161910120	3301975	FR		4/4/2018
2575	METHOD AND DEVICE FOR PROVIDING CQI REPORTS	161917497	3301839	FR		4/4/2018
2576	A RECEIVER A METHOD FOR CONTROLLING A RECEIVER AND A MOBILE COMMUNICATIONS DEVICE	161917752	3301818	FR		4/4/2018
2577	DOCKING STATION AND METHOD TO CONNECT TO A DOCKING STATION	161961305	3179332	FR		6/14/2017
2578	ARCHITECTURE AND CONTROL OF HYBRID COUPLER BASED ANALOG SELF-INTERFERENCE CANCELLATION	161984331	3185427	FR		6/28/2017
2579	ANTENNA ARRANGEMENT	161987573	3185358	FR		6/28/2017
2580	RADIO RESOURCE MANAGEMENT (RRM) REPORTING FOR LICENSED ASSISTED ACCESS (LAA)	167060672	3251402	FR		12/6/2017
2581	RANDOM ACCESS PROCEDURE FOR ENHANCED COVERAGE SUPPORT	167060896	3281482	FR		2/14/2018
2582	DETERMINATION OF NUMBER OF PHYSICAL UPLINK CONTROL CHANNEL REPETITIONS FOR MACHINE TYPE COMMUNICATIONS	167167592	3353935	FR		8/1/2018
2583	USER EQUIPMENT WITH ADAPTIVE TRANSMISSION POWER SCALING BASED ON DECODING CONFIDENCE	171559800	3361790	FR		8/15/2018
2584	EFFICIENT BEAM SEARCH METHODS FOR THREE-DIMENSIONAL BEAMFORMING WITH NON-PRECODED REFERENCE SIGNALS	171640972	3382904	FR		10/3/2018
2585	METHODS AND DEVICES FOR PERFORMING CIRCUIT-SWITCHED FALLBACK	171652902	3242508	FR		11/8/2017
2586	SIGNALING FOR PROXIMITY SERVICES AND D2D DISCOVERY IN AN LTE NETWORK	171654403	3209039	FR		8/23/2017
2587	APPARATUS SYSTEM AND METHOD OF COMMUNICATING NON-CELLULAR ACCESS NETWORK INFORMATION OVER A CELLULAR NETWORK	171696610	3226595	FR		10/4/2017
2588	MULTIPLE MODULATED SPUR CANCELLATION APPARATUS	171697204	3255801	FR		12/13/2017
2589	COVERAGE EXTENSION LEVEL FOR COVERAGE LIMITED DEVICE	171705387	3229517	FR		10/11/2017
2590	METHODS AND DEVICES FOR PERFORMING DUPLEX MODE DETECTION	171706245	3258620	FR		12/20/2017
2591	COMMUNICATION DEVICE AND METHOD FOR DECODING DATA FROM A NETWORK	171726003	3261279	FR		12/27/2017

SCHEDULE A

No.	TITLE	Filing Number	Publication Number	Jurisdiction	Filing Date	Publication Date
2592	SHORT RANGE RADIO COMMUNICATION DEVICE AND A METHOD OF CONTROLLING A SHORT RANGE RADIO COMMUNICATION DEVICE	171779820	3264625	FR		1/3/2018
2593	UE BASED D2D DISCOVERY	172007726	3300398	FR		3/28/2018
2594	QUALITY OF EXPERIENCE AWARE MULTIMEDIA ADAPTIVE STREAMING	172083990	3324599	FR		5/23/2018
2595	DISCONTINUOUS RECEPTION (DRX) ALIGNMENT TECHNIQUES FOR DUAL-CONNECTIVITY ARCHITECTURES	181813247	3402302	FR		11/14/2018
2596	METHODS AND DEVICES INDICATING AT LEAST ONE OF A TEMPERATURE AND FREQUENCY DEVIATION			FR		
2597	IMPROVED HANDOVER WITH PING PONG AVOIDANCE IN A WIRELESS NETWORK			FR		
2598	APPARATUS SYSTEM AND METHOD OF CELLULAR NETWORK COMMUNICATIONS CORRESPONDING TO A NON-CELLULAR NETWORK			FR		
2599	WIRELESS LOCAL AREA NETWORK (WLAN) TRAFFIC LOAD MEASUREMENT PROVISIONING TO WIRELESS CELLULAR NETWORKS			FR		
2600	SYSTEMS METHODS AND DEVICES FOR SELECTIVE INTERFERENCE COORDINATION IN A CELLULAR PROTOCOL			FR		
2601	APPLICATION SPECIFIC CONGESTION CONTROL IN A WIRELESS NETWORK			FR		
2602	SECURITY KEY REFRESH FOR DUAL CONNECTIVITY			FR		
2603	TECHNIQUES FOR DEVICE-TO-DEVICE COMMUNICATIONS			FR		
2604	COVERAGE ENHANCEMENT AND SEMI-PERSISTENT SCHEDULING SUPPORT IN LTE-TDD SYSTEMS			FR		
2605	RADIO COMMUNICATION DEVICE AND METHOD FOR OPERATION THEREOF			FR		
2606	PRIORITIZED CELL IDENTIFICATION AND MEASUREMENT METHOD			FR		
2607	APPARATUS SYSTEM AND METHOD OF ACCESS NETWORK DISCOVERY AND SELECTION FUNCTION (ANDSF) FOR TRAFFIC OFFLOADING			FR		
2608	POWER HEADROOM REPORTING WITH DUAL CONNECTIVITY			FR		
2609	CONTROL OF TRAFFIC FROM APPLICATIONS WHEN THIRD PARTY SERVERS ENCOUNTER PROBLEMS			FR		
2610	METHODS AND APPARATUS OF EVOLVED NODE B AND USER EQUIPMENT FOR CAPABILITY INFORMATION SETTING			FR		

SCHEDULE A

No.	TITLE	Filing Number	Publication Number	Jurisdiction	Filing Date	Publication Date
2611	METHOD FOR PROCESSING RADIO SIGNALS AND MOBILE TERMINAL DEVICE			FR		
2612	CONTENTION FREE PHYSICAL UPLINK SHARED CONTROL CHANNEL (PUSCH) TRANSMISSION USING LISTEN BEFORE TALK			FR		
2613	ATTENTION (AT) COMMANDS FOR PACKET DATA NETWORK CONNECTION OFFLOAD			FR		
2614	CONVERGENCE LAYER FOR 5G COMMUNICATION SYSTEMS			FR		
2615	COMMUNICATION TERMINAL AND METHOD FOR RECEIVING DATA			FR		
2616	METHODS AND DEVICES FOR CELL SEARCH			FR		
2617	SYSTEM AND METHOD FOR EMERGENCY SECURE USER PLANE LOCATION POSITIONING			FR		
2618	APPARATUS OF A USER EQUIPMENT ADAPTED FOR RECEIVING EMERGENCY NOTIFICATION INFORMATION USED IN MOBILE COMMUNICATION AND METHOD FOR RECEIVING EMERGENCY NOTIFICATION INFORMATION			FR		
2619	METHOD AND DEVICE FOR GAIN ADJUSTMENT IN MOBILITY MEASUREMENTS			FR		
2620	SYSTEMS AND METHODS FOR CENTRALIZED AND DECENTRALIZED COMMUNICATION MODES FOR V2X SERVICES			FR		
2621	DIGITAL-CENTRIC FULL-DUPLEX ARCHITECTURE			FR		
2622	EMISSION SUPPRESSION FOR WIRELESS COMMUNICATION DEVICES	111653572	2395670	GB	1/4/2017	12/14/2011
2623	SYSTEMS AND METHODS FOR SPURIOUS EMISSION CANCELLATION	111806261	2432131	GB	11/30/2016	3/21/2012
2624	METHOD AND SYSTEM FOR CONTROLLING SIGNAL TRANSMISSION OF A WIRELESS COMMUNICATION DEVICE	121540777	2509219	GB		10/10/2012
2625	SYSTEM AND METHOD FOR TUNING AN ANTENNA IN A WIRELESS COMMUNICATION DEVICE	121600852	2503701	GB		9/26/2012
2626	SYSTEM AND METHOD FOR ESTIMATING AND CORRECTING PHASE SHIFT IN A WIRELESS COMMUNICATION DEVICE	121720734	2541764	GB	1/26/2015	1/2/2013
2627	SYSTEM AND METHOD FOR REDUCING OR ELIMINATING TEMPERATURE DEPENDENCE OF A COHERENT RECEIVER IN A WIRELESS COMMUNICATION DEVICE	121780407	2560286	GB		2/20/2013
2628	CONTEXT-RETENTION CONTROLLER AND METHOD FOR CONTEXT RETENTION IN WIRELESS ACCESS	128463478	2774432	GB	4/15/2014	9/10/2014

SCHEDULE A

No.	TITLE	Filing Number	Publication Number	Jurisdiction	Filing Date	Publication Date
	NETWORKS					
2629	METHOD AND SYSTEM FOR CONTROLLING SIGNAL TRANSMISSION OF A WIRELESS COMMUNICATION DEVICE	131634487	2615735	GB		7/24/2013
2630	IMPROVED CHANNEL QUALITY INFORMATION FEEDBACK TECHNIQUE	138703111	2941833	GB		11/11/2015
2631	A METHOD AND SYSTEM FOR THE MANAGEMENT OF CELL INTERFERENCE IN A WIRELESS COMMUNICATION NETWORK	138705876	2944135	GB	6/10/2015	11/18/2015
2632	IMPROVED TECHNIQUES FOR USER PLANE CONGESTION MITIGATION	138710751	2944115	GB		11/18/2015
2633	CONTENT URL AUTHENTICATION FOR DASH	138719356	2946583	GB		11/25/2015
2634	APPARATUS SYSTEM AND METHOD OF COMMUNICATING NON-CELLULAR ACCESS NETWORK INFORMATION OVER A CELLULAR NETWORK	138721980	2946607	GB		11/25/2015
2635	NETWORK ASSISTED DEVICE TO DEVICE DISCOVERY	138753611	2959734	GB		12/30/2015
2636	SYSTEMS AND METHODS FOR ACCESS NETWORK SELECTION AND TRAFFIC ROUTING	138757877	2959726	GB		12/30/2015
2637	UE BASED D2D DISCOVERY	138757950	2959735	GB		12/30/2015
2638	USER EQUIPMENT WITH REDUCED POWER CONSUMPTION OPERATIONAL MODES	138760301	2959729	GB		12/30/2015
2639	MULTICAST-BASED GROUP COMMUNICATIONS IN AD HOC ARRANGEMENTS OF WIRELESS DEVICES	138763842	2962521	GB		1/6/2016
2640	WIRELESS LOCAL AREA NETWORK (WLAN) TRAFFIC OFFLOADING	138764816	2962485	GB		1/6/2016
2641	QUALITY-AWARE RATE ADAPTATION TECHNIQUES FOR DASH STREAMING	138805379	2979414	GB		2/3/2016
2642	EXTENDED PAGING DISCONTINUOUS RECEPTION (DRX) CYCLES IN WIRELESS COMMUNICATION NETWORKS	138806229	2979504	GB		2/3/2016
2643	CONTROL OF WLAN SELECTION POLICIES IN ROAMING SCENARIOS	138806237	2979499	GB	8/27/2015	2/3/2016
2644	RADIO LINK MONITORING FOR EPDCCH	138808100	2982154	GB		2/10/2016
2645	WIRELESS TRANSMISSION PRECODING	138829262	2989726	GB		3/2/2016
2646	SMALL DATA COMMUNICATIONS	138840335	2995019	GB		3/16/2016
2647	MULTIPLE RADIO LINK CONTROL (RLC) GROUPS	138845284	2997670	GB		3/23/2016
2648	LINK-AWARE STREAMING ADAPTATION	147566350	2962435	GB		1/6/2016
2649	RADIO ACCESS TECHNOLOGY SELECTION IN A HETEROGENEOUS NETWORK	147571194	2962497	GB		1/6/2016
2650	TECHNIQUES FOR WIRELESS NETWORK DISCOVERY AND SELECTION SUPPORT	147725709	2979497	GB		2/3/2016

SCHEDULE A

No.	TITLE	Filing Number	Publication Number	Jurisdiction	Filing Date	Publication Date
2651	QUALITY OF EXPERIENCE AWARE MULTIMEDIA ADAPTIVE STREAMING	147742142	2979427	GB	8/24/2015	2/3/2016
2652	PROVISIONING OF APPLICATION CATEGORIES AT A USER EQUIPMENT DURING NETWORK CONGESTION	147760011	2979495	GB		2/3/2016
2653	NETWORK ASSISTED INTERFERENCE CANCELLATION AND SUPPRESSION WITH RESPECT TO INTERFERING CONTROL CHANNEL TRANSMISSIONS	147763288	2979413	GB		2/3/2016
2654	AN APPARATUS AND METHOD FOR CONGESTION CONTROL IN WIRELESS COMMUNICATION NETWORKS	147879878	2989829	GB		3/2/2016
2655	USER EQUIPMENT AND METHODS FOR ADAPTING SYSTEM PARAMETERS BASED ON EXTENDED PAGING CYCLES	147887418	2989842	GB		3/2/2016
2656	WIRELESS LOCAL AREA NETWORK (WLAN) SELECTION RULES	147888325	2989833	GB		3/2/2016
2657	THROUGHPUT CHARACTERIZATION	147949820	2995022	GB	10/16/2015	3/16/2016
2658	EFFICIENT USER SERVICE OR CONTENT REPRESENTATION FOR DEVICE COMMUNICATION	148035934	3005584	GB		4/13/2016
2659	USER EQUIPMENT AND METHODS FOR CODEBOOK SUBSAMPLING FOR ENHANCED 4TX CODEBOOKS	148044126	3005636	GB		4/13/2016
2660	APPARATUS SYSTEM AND METHOD OF SELECTIVELY PROVIDING INTERNET PROTOCOL (IP) SESSION CONTINUITY	148291107	3025533	GB		6/1/2016
2661	DOWNTILT SELECTION IN A FULL DIMENSIONAL MULTIPLE-INPUT MULTIPLE-OUTPUT SYSTEM	148291487	3025435	GB		6/1/2016
2662	COOPERATIVE MULTIPLE BEAM TRANSMISSION	148337041	3031145	GB		6/15/2016
2663	POWER SAVING MODE OPTIMIZATIONS AND RELATED PROCEDURES	148339278	3030950	GB		6/15/2016
2664	SIGNALING RADIO BEARER OPTIMIZATIONS AND OTHER TECHNIQUES FOR SUPPORTING SMALL DATA TRANSMISSIONS	148341522	3031284	GB		6/15/2016
2665	USER EQUIPMENT AND METHOD FOR PACKET BASED DEVICE-TO-DEVICE (D2D) DISCOVERY IN AN LTE NETWORK	148347065	3031189	GB		6/15/2016
2666	COVERAGE EXTENSION LEVEL FOR COVERAGE LIMITED DEVICE	148347107	3031147	GB		6/15/2016
2667	METHOD APPARATUS AND SYSTEM FOR ELECTRICAL DOWNTILT ADJUSTMENT IN A MULTIPLE INPUT MULTIPLE OUTPUT SYSTEM	148347701	3031146	GB		6/15/2016
2668	METHOD AND SYSTEM OF ADVANCED INTERFERENCE CANCELLATION ON PDSCH AT THE UE	148347768	3031152	GB		6/15/2016
2669	SIGNALING FOR PROXIMITY SERVICES AND D2D DISCOVERY IN AN LTE NETWORK	148350218	3031272	GB		6/15/2016

SCHEDULE A

No.	TITLE	Filing Number	Publication Number	Jurisdiction	Filing Date	Publication Date
2670	COVERAGE EXTENSION LEVEL FOR COVERAGE LIMITED DEVICE	148351059	3031150	GB		6/15/2016
2671	NETWORK MANAGEMENT	148354210	3031295	GB		6/15/2016
2672	TECHNIQUES AND CONFIGURATIONS ASSOCIATED WITH MACHINE TYPE COMMUNICATION IN ENHANCED COVERAGE MODE	148451743	3047579	GB		7/27/2016
2673	CONGESTION MEASUREMENT AND REPORTING FOR REAL-TIME DELAY-SENSITIVE APPLICATIONS	148454549	3047672	GB		7/27/2016
2674	CONGESTION CONTROL FOR SHORT MESSAGE SERVICE IN 3RD GENERATION PARTNERSHIP PROJECT (3GPP) SYSTEMS	148462658	3047674	GB		7/27/2016
2675	TRANSMISSION OF PHYSICAL BROADCAST CHANNEL (PBCH) CONTENTS	148464258	3047581	GB		7/27/2016
2676	USER EQUIPMENT AND METHODS FOR FAST HANDOVER FAILURE RECOVERY IN 3GPP LTE NETWORK	148465529	3047679	GB		7/27/2016
2677	GENERATION OF RANDOM ACCESS PREAMBLES	148466865	3047600	GB		7/27/2016
2678	MITIGATION OF TRAFFIC CONGESTION IN DUAL CONNECTIVITY SYSTEMS	148470339	3050348	GB		8/3/2016
2679	SYSTEMS METHODS AND DEVICES WITH DIFFERENT RADIO LINK FAILURE TIMERS BASED ON USER EQUIPMENT SPEED	148478043	3064027	GB		9/7/2016
2680	SYSTEMS METHODS AND DEVICES FOR TRAFFIC OFFLOADING	148482250	3050349	GB		8/3/2016
2681	REDUCTION OF PACKET RETRANSMISSIONS IN DUAL CONNECTIVITY SYSTEMS	148483605	3050352	GB		8/3/2016
2682	SIGNALING EXTENDED EARFCN AND E-UTRA BANDS IN UMTS NETWORKS	148569197	3064012	GB		9/7/2016
2683	SYSTEMS METHODS AND DEVICES FOR EFFICIENT DEVICE-TO-DEVICE CHANNEL CONTENTION	148581481	3064016	GB		9/7/2016
2684	RESOURCE SELECTION IN DEVICE TO DEVICE COMMUNICATION	148583065	3064007	GB		9/7/2016
2685	USER EQUIPMENT AND EVOLVED NODE-B AND METHODS FOR OPERATION IN A COVERAGE ENHANCEMENT MODE	148588601	3063883	GB		9/7/2016
2686	USER EQUIPMENT AND METHODS OF BEARER OPERATION FOR CARRIER AGGREGATION	148591456	3063982	GB		9/7/2016
2687	METHOD AND EVOLVED NODE-B FOR GEOGRAPHIC BIN DATA COLLECTION AND REPORTING	148773344	3092842	GB		11/16/2016
2688	SYSTEM AND METHOD FOR TUNING AN ANTENNA IN A WIRELESS COMMUNICATION DEVICE	151713989	2947781	GB		11/25/2015
2689	PHASE TRACKER FOR A PHASE LOCKED LOOP	151814787	3001567	GB		3/30/2016

SCHEDULE A

No.	TITLE	Filing Number	Publication Number	Jurisdiction	Filing Date	Publication Date
2690	APPARATUS AND METHODS FOR A CAPACITIVE DIGITAL-TO- ANALOG CONVERTER BASED POWER AMPLIFIER	151943966	3035526	GB		6/22/2016
2691	CALIBRATING RF PATH DELAY AND IQ PHASE IMBALANCE FOR POLAR TRANSMIT SYSTEM	151947926	3035625	GB		6/22/2016
2692	METHOD FOR SHARING A WIRELESS TRANSMISSION MEDIUM IN A TERMINAL DEVICE AND WIRELESS COMMUNICATION DEVICE AND WIRELESS COMMUNICATION CIRCUIT RELATED THERETO	152019667	3185646	GB		6/28/2017
2693	APPARATUS SYSTEM AND METHOD OF PROVIDING OFFLOADABILITY INFORMATION TO A USER-EQUIPMENT (UE)	157331240	3092845	GB		11/16/2016
2694	SYSTEMS AND METHODS FOR MODULATION AND CODING SCHEME SELECTION AND CONFIGURATION	157332461	3092761	GB		11/16/2016
2695	SYSTEMS METHODS AND DEVICES FOR ENHANCING SPECTRAL EFFICIENCY WITH NETWORK-ASSISTED ADVANCED RECEIVERS	157332735	3092728	GB		11/16/2016
2696	DISCONTINUOUS RECEPTION (DRX) ALIGNMENT TECHNIQUES FOR DUAL-CONNECTIVITY ARCHITECTURES	157333139	3092854	GB		11/16/2016
2697	APPARATUSES SYSTEMS AND METHODS FOR PAGING ENHANCEMENTS FOR LOW COMPLEXITY USER EQUIPMENT	157382177	3165017	GB		5/10/2017
2698	ENABLING D2D FUNCTIONALITY FOR PUBLIC SAFETY APPLICATIONS	157437674	3100522	GB		12/7/2016
2699	DOWNLINK CONTROL INFORMATION (DCI) DESIGN FOR LTE DEVICES	157483660	3202073	GB		8/9/2017
2700	SCHEDULING FOR AN UNLICENSED CARRIER TYPE	157524422	3111569	GB		1/4/2017
2701	CIRCUIT SWITCHED FALLBACK	157525577	3111699	GB		1/4/2017
2702	USER EQUIPMENT COMPUTER READABLE MEDIUM AND METHOD TO DETERMINE THE MOBILITY OF USER EQUIPMENT IN A LONG-TERM EVOLUTION NETWORK	157527573	3111692	GB		1/4/2017
2703	SYSTEMS METHODS AND DEVICES FOR DEVICE-TO-DEVICE COMMUNICATION MODE SELECTION	157616236	3117673	GB		1/18/2017
2704	SYSTEMS METHODS AND DEVICES FOR DEVICE-TO-DEVICE DISCOVERY AND COMMUNICATION	157619610	3117543	GB		1/18/2017
2705	SMOOTH UE TRANSFER WITHIN AN EVOLVED PACKET CORE	157628652	3198941	GB		8/2/2017
2706	METHODS SYSTEMS AND DEVICES FOR MODULATION AND CODING SCHEME SIGNALING FOR COMMON CONTROL CHANNEL	157652991	3120477	GB		1/25/2017

SCHEDULE A

No.	TITLE	Filing Number	Publication Number	Jurisdiction	Filing Date	Publication Date
2707	SYSTEMS METHODS AND DEVICES FOR RADIO ACCESS TECHNOLOGY COORDINATION	157714718	3262887	GB		1/3/2018
2708	USER EQUIPMENT AND METHODS FOR HANDOVER INITIATION	157822800	3135058	GB		3/1/2017
2709	USER EQUIPMENT AND METHODS FOR MEASUREMENT OF REFERENCE SIGNAL RECEIVED QUALITY	157853805	3138316	GB		3/8/2017
2710	SYSTEMS METHODS AND DEVICES FOR DIRECT DEVICE TO DEVICE COMMUNICATION USING ENCAPSULATION	157910936	3248437	GB		11/29/2017
2711	DEVICES AND METHOD FOR RETRIEVING AND UTILIZING NEIGHBORING WLAN INFORMATION FOR LTE LAA OPERATION	158028233	3149993	GB		4/5/2017
2712	VIRTUAL MOBILE MANAGEMENT ENTITY MANAGEMENT	158288944	3329703	GB		6/6/2018
2713	MEASUREMENT GAP ENHANCEMENT TO REDUCE MEASUREMENT DELAY	158288969	3295704	GB		3/21/2018
2714	VIRTUALIZED NETWORK FUNCTION MANAGEMENT	158304634	3178199	GB		6/14/2017
2715	NETWORK DISCOVERY AND BEAM ACQUISITION FOR BEAM CELLOPERATION	158346924	3329608	GB		6/6/2018
2716	SYSTEM AND METHOD OF HANDLING UPLINK TRANSMISSION COLLISION FOR ENHANCED COVERAGE MODE UES	158446815	3198778	GB		8/2/2017
2717	UPLINK TRAFFIC CONTROL METHOD IN TIGHTLY INTEGRATED WIFI/LTE	158508911	3207738	GB		8/23/2017
2718	QUANTIZED EIGEN BEAMS FOR CONTROLLING ANTENNA ARRAY ELEMENTS IN A WIRELESS NETWORK	158600882	3221982	GB		9/27/2017
2719	PDCP STATUS REPORTING FOR MULTI-RAT OFFLOADING	158927913	3298820	GB		3/28/2018
2720	METHOD AND DEVICE FOR CANCELING A BIAS OF A RADIO CHANNEL SEQUENCE	161515804	3062447	GB		8/31/2016
2721	METHOD FOR PERFORMING MOBILE COMMUNICATIONS AND MOBILE TERMINAL DEVICE	161523261	3068090	GB		9/14/2016
2722	HYSTERETIC CURRENT CONTROL WITH EVENT DITHERING	161523279	3068045	GB		9/14/2016
2723	METHOD AND DEVICE FOR PROTECTING A DATA TRANSPORT BLOCK AGAINST MEMORY ERRORS AND TRANSMISSION ERRORS	161536420	3070865	GB		9/21/2016
2724	MAPPING DATA PRIORITY TO CHANNEL QUALITY IN UPLINK CARRIER AGGREGATION	161536776	3070871	GB		9/21/2016
2725	PHASED ARRAY WEIGHTING FOR POWER EFFICIENCY IMPROVEMENT WITH HIGH PEAK-TO-AVERAGE POWER RATIO SIGNALS	161539010	3073572	GB		9/28/2016

SCHEDULE A

No.	TITLE	Filing Number	Publication Number	Jurisdiction	Filing Date	Publication Date
2726	ADJUSTING POWER AMPLIFIER STIMULI BASED ON OUTPUT SIGNALS	161545793	3070839	GB		9/21/2016
2727	METHOD FOR PERFORMING MOBILE COMMUNICATIONS AND MOBILE RADIO COMMUNICATION TERMINAL DEVICE	161547146	3073785	GB		9/28/2016
2728	APPARATUSES AND METHODS FOR COMPENSATING PHASE FLUCTUATIONS	161598743	3217554	GB		9/13/2017
2729	APPARATUSES AND METHODS FOR GENERATING A SECOND DIGITAL SIGNAL BASED ON A FIRST DIGITAL SIGNAL	161632534	3226499	GB		10/4/2017
2730	COMMUNICATION TERMINAL AND METHOD FOR ESTABLISHING A CSFB CALL	161641279	3091784	GB		11/9/2016
2731	METHOD AND DEVICE FOR MITIGATING INTERFERENCE DUE TO A WIRELESS CHARGING SIGNAL	161687496	3244542	GB		11/15/2017
2732	INTERACTIVE ZOOMING IN VIDEO CONFERENCING	161688809	3094063	GB		11/16/2016
2733	METHODS AND DEVICES FOR CIRCUIT-SWITCHED FALLBACK PROCEDURES	161689419	3244655	GB		11/15/2017
2734	TECHNIQUES FOR WIRELESS NETWORK DISCOVERY AND SELECTION SUPPORT	161690441	3086602	GB		10/26/2016
2735	DRX OPERATION FOR UL/DL RECONFIGURATION	161702980	3101824	GB		12/7/2016
2736	Architecture and Control of Analog Self-Interference Cancellation	161711882	3110018	GB		12/28/2016
2737	MOBILE TERMINAL DEVICES AND METHODS OF PERFORMING RADIO MEASUREMENTS	161711890	3110200	GB		12/28/2016
2738	DEVICE AND METHOD FOR RECOVERING SERVICES FROM NETWORK REJECTIONS TO WIRELESS COMMUNICATION DEVICES	161723937	3253172	GB		12/6/2017
2739	COMMUNICATION TERMINAL AND METHOD FOR USING A SHARED RADIO COMMUNICATION COMPONENT	161761184	3261401	GB		12/27/2017
2740	METHOD AND DEVICE FOR MITIGATING INTERFERENCE IN COLLOCATED TRANSCEIVERS	161774773	3264619	GB		1/3/2018
2741	DECODING DEVICE AND METHOD USING CONTEXT REDUNDANCY	161799705	3273604	GB		1/24/2018
2742	HYBRID I/Q AND POLAR TRANSMITTER	161845367	3148093	GB		3/29/2017
2743	APPARATUSES AND METHODS FOR MEASURING NEIGHBORING INTER-FREQUENCY OR INTER-RAT CELLS	161910120	3301975	GB		4/4/2018
2744	METHOD AND DEVICE FOR PROVIDING CQI REPORTS	161917497	3301839	GB		4/4/2018
2745	A RECEIVER A METHOD FOR CONTROLLING A RECEIVER AND A MOBILE COMMUNICATIONS DEVICE	161917752	3301818	GB		4/4/2018
2746	DOCKING STATION AND METHOD TO CONNECT TO A DOCKING STATION	161961305	3179332	GB		6/14/2017

SCHEDULE A

No.	TITLE	Filing Number	Publication Number	Jurisdiction	Filing Date	Publication Date
2747	ARCHITECTURE AND CONTROL OF HYBRID COUPLER BASED ANALOG SELF-INTERFERENCE CANCELLATION	161984331	3185427	GB		6/28/2017
2748	ANTENNA ARRANGEMENT	161987573	3185358	GB		6/28/2017
2749	RADIO RESOURCE MANAGEMENT (RRM) REPORTING FOR LICENSED ASSISTED ACCESS (LAA)	167060672	3251402	GB		12/6/2017
2750	RANDOM ACCESS PROCEDURE FOR ENHANCED COVERAGE SUPPORT	167060896	3281482	GB		2/14/2018
2751	DETERMINATION OF NUMBER OF PHYSICAL UPLINK CONTROL CHANNEL REPETITIONS FOR MACHINE TYPE COMMUNICATIONS	167167592	3353935	GB		8/1/2018
2752	USER EQUIPMENT WITH ADAPTIVE TRANSMISSION POWER SCALING BASED ON DECODING CONFIDENCE	171559800	3361790	GB		8/15/2018
2753	EFFICIENT BEAM SEARCH METHODS FOR THREE-DIMENSIONAL BEAMFORMING WITH NON-PRECODED REFERENCE SIGNALS	171640972	3382904	GB		10/3/2018
2754	METHODS AND DEVICES FOR PERFORMING CIRCUIT-SWITCHED FALLBACK	171652902	3242508	GB		11/8/2017
2755	SIGNALING FOR PROXIMITY SERVICES AND D2D DISCOVERY IN AN LTE NETWORK	171654403	3209039	GB		8/23/2017
2756	APPARATUS SYSTEM AND METHOD OF COMMUNICATING NON-CELLULAR ACCESS NETWORK INFORMATION OVER A CELLULAR NETWORK	171696610	3226595	GB		10/4/2017
2757	MULTIPLE MODULATED SPUR CANCELLATION APPARATUS	171697204	3255801	GB		12/13/2017
2758	COVERAGE EXTENSION LEVEL FOR COVERAGE LIMITED DEVICE	171705387	3229517	GB		10/11/2017
2759	METHODS AND DEVICES FOR PERFORMING DUPLEX MODE DETECTION	171706245	3258620	GB		12/20/2017
2760	COMMUNICATION DEVICE AND METHOD FOR DECODING DATA FROM A NETWORK	171726003	3261279	GB		12/27/2017
2761	SHORT RANGE RADIO COMMUNICATION DEVICE AND A METHOD OF CONTROLLING A SHORT RANGE RADIO COMMUNICATION DEVICE	171779820	3264625	GB		1/3/2018
2762	UE BASED D2D DISCOVERY	172007726	3300398	GB		3/28/2018
2763	QUALITY OF EXPERIENCE AWARE MULTIMEDIA ADAPTIVE STREAMING	172083990	3324599	GB		5/23/2018
2764	DISCONTINUOUS RECEPTION (DRX) ALIGNMENT TECHNIQUES FOR DUAL-CONNECTIVITY ARCHITECTURES	181813247	3402302	GB		11/14/2018
2765	METHODS AND DEVICES INDICATING AT LEAST ONE OF A TEMPERATURE AND FREQUENCY DEVIATION			GB		
2766	IMPROVED HANDOVER WITH PING PONG AVOIDANCE IN A WIRELESS NETWORK			GB		

SCHEDULE A

No.	TITLE	Filing Number	Publication Number	Jurisdiction	Filing Date	Publication Date
2767	APPARATUS SYSTEM AND METHOD OF CELLULAR NETWORK COMMUNICATIONS CORRESPONDING TO A NON-CELLULAR NETWORK			GB		
2768	WIRELESS LOCAL AREA NETWORK (WLAN) TRAFFIC LOAD MEASUREMENT PROVISIONING TO WIRELESS CELLULAR NETWORKS			GB		
2769	SYSTEMS METHODS AND DEVICES FOR SELECTIVE INTERFERENCE COORDINATION IN A CELLULAR PROTOCOL			GB		
2770	APPLICATION SPECIFIC CONGESTION CONTROL IN A WIRELESS NETWORK			GB		
2771	SECURITY KEY REFRESH FOR DUAL CONNECTIVITY			GB		
2772	TECHNIQUES FOR DEVICE-TO-DEVICE COMMUNICATIONS			GB		
2773	COVERAGE ENHANCEMENT AND SEMI-PERSISTENT SCHEDULING SUPPORT IN LTE-TDD SYSTEMS			GB		
2774	RADIO COMMUNICATION DEVICE AND METHOD FOR OPERATION THEREOF			GB		
2775	PRIORITIZED CELL IDENTIFICATION AND MEASUREMENT METHOD			GB		
2776	APPARATUS SYSTEM AND METHOD OF ACCESS NETWORK DISCOVERY AND SELECTION FUNCTION (ANDSF) FOR TRAFFIC OFFLOADING			GB		
2777	POWER HEADROOM REPORTING WITH DUAL CONNECTIVITY			GB		
2778	CONTROL OF TRAFFIC FROM APPLICATIONS WHEN THIRD PARTY SERVERS ENCOUNTER PROBLEMS			GB		
2779	METHODS AND APPARATUS OF EVOLVED NODE B AND USER EQUIPMENT FOR CAPABILITY INFORMATION SETTING			GB		
2780	METHOD FOR PROCESSING RADIO SIGNALS AND MOBILE TERMINAL DEVICE			GB		
2781	CONTENTION FREE PHYSICAL UPLINK SHARED CONTROL CHANNEL (PUSCH) TRANSMISSION USING LISTEN BEFORE TALK			GB		
2782	ATTENTION (AT) COMMANDS FOR PACKET DATA NETWORK CONNECTION OFFLOAD			GB		
2783	CONVERGENCE LAYER FOR 5G COMMUNICATION SYSTEMS			GB		
2784	COMMUNICATION TERMINAL AND METHOD FOR RECEIVING DATA			GB		
2785	METHODS AND DEVICES FOR CELL SEARCH			GB		

SCHEDULE A

No.	TITLE	Filing Number	Publication Number	Jurisdiction	Filing Date	Publication Date
2786	SYSTEM AND METHOD FOR EMERGENCY SECURE USER PLANE LOCATION POSITIONING			GB		
2787	APPARATUS OF A USER EQUIPMENT ADAPTED FOR RECEIVING EMERGENCY NOTIFICATION INFORMATION USED IN MOBILE COMMUNICATION AND METHOD FOR RECEIVING EMERGENCY NOTIFICATION INFORMATION			GB		
2788	METHOD AND DEVICE FOR GAIN ADJUSTMENT IN MOBILITY MEASUREMENTS			GB		
2789	SYSTEMS AND METHODS FOR CENTRALIZED AND DECENTRALIZED COMMUNICATION MODES FOR V2X SERVICES			GB		
2790	DIGITAL-CENTRIC FULL-DUPLEX ARCHITECTURE			GB		
2791	CONTEXT-RETENTION CONTROLLER AND METHOD FOR CONTEXT RETENTION IN WIRELESS ACCESS NETWORKS	128463478	2774432	GR		9/10/2014
2792	A METHOD AND SYSTEM FOR THE MANAGEMENT OF CELL INTERFERENCE IN A WIRELESS COMMUNICATION NETWORK	138705876	2944135	GR	6/10/2015	11/18/2015
2793	IMPROVED TECHNIQUES FOR USER PLANE CONGESTION MITIGATION	138710751	2944115	GR		11/18/2015
2794	CONTENT URL AUTHENTICATION FOR DASH	138719356	2946583	GR		11/25/2015
2795	APPARATUS SYSTEM AND METHOD OF COMMUNICATING NON-CELLULAR ACCESS NETWORK INFORMATION OVER A CELLULAR NETWORK	138721980	2946607	GR		11/25/2015
2796	NETWORK ASSISTED DEVICE TO DEVICE DISCOVERY	138753611	2959734	GR		12/30/2015
2797	UE BASED D2D DISCOVERY	138757950	2959735	GR		12/30/2015
2798	USER EQUIPMENT WITH REDUCED POWER CONSUMPTION OPERATIONAL MODES	138760301	2959729	GR		12/30/2015
2799	MULTICAST-BASED GROUP COMMUNICATIONS IN AD HOC ARRANGEMENTS OF WIRELESS DEVICES	138763842	2962521	GR		1/6/2016
2800	QUALITY-AWARE RATE ADAPTATION TECHNIQUES FOR DASH STREAMING	138805379	2979414	GR		2/3/2016
2801	EXTENDED PAGING DISCONTINUOUS RECEPTION (DRX) CYCLES IN WIRELESS COMMUNICATION NETWORKS	138806229	2979504	GR		2/3/2016
2802	CONTROL OF WLAN SELECTION POLICIES IN ROAMING SCENARIOS	138806237	2979499	GR	8/27/2015	2/3/2016
2803	RADIO LINK MONITORING FOR EPDCCH	138808100	2982154	GR		2/10/2016
2804	SMALL DATA COMMUNICATIONS	138840335	2995019	GR		3/16/2016
2805	MULTIPLE RADIO LINK CONTROL (RLC) GROUPS	138845284	2997670	GR		3/23/2016

SCHEDULE A

No.	TITLE	Filing Number	Publication Number	Jurisdiction	Filing Date	Publication Date
2806	LINK-AWARE STREAMING ADAPTATION	147566350	2962435	GR		1/6/2016
2807	RADIO ACCESS TECHNOLOGY SELECTION IN A HETEROGENEOUS NETWORK	147571194	2962497	GR		1/6/2016
2808	TECHNIQUES FOR WIRELESS NETWORK DISCOVERY AND SELECTION SUPPORT	147725709	2979497	GR		2/3/2016
2809	QUALITY OF EXPERIENCE AWARE MULTIMEDIA ADAPTIVE STREAMING	147742142	2979427	GR	8/24/2015	2/3/2016
2810	PROVISIONING OF APPLICATION CATEGORIES AT A USER EQUIPMENT DURING NETWORK CONGESTION	147760011	2979495	GR		2/3/2016
2811	NETWORK ASSISTED INTERFERENCE CANCELLATION AND SUPPRESSION WITH RESPECT TO INTERFERING CONTROL CHANNEL TRANSMISSIONS	147763288	2979413	GR		2/3/2016
2812	AN APPARATUS AND METHOD FOR CONGESTION CONTROL IN WIRELESS COMMUNICATION NETWORKS	147879878	2989829	GR		3/2/2016
2813	THROUGHPUT CHARACTERIZATION	147949820	2995022	GR	10/16/2015	3/16/2016
2814	USER EQUIPMENT AND METHODS FOR CODEBOOK SUBSAMPLING FOR ENHANCED 4TX CODEBOOKS	148044126	3005636	GR		4/13/2016
2815	APPARATUS SYSTEM AND METHOD OF SELECTIVELY PROVIDING INTERNET PROTOCOL (IP) SESSION CONTINUITY	148291107	3025533	GR		6/1/2016
2816	DOWNTILT SELECTION IN A FULL DIMENSIONAL MULTIPLE-INPUT MULTIPLE-OUTPUT SYSTEM	148291487	3025435	GR		6/1/2016
2817	COOPERATIVE MULTIPLE BEAM TRANSMISSION	148337041	3031145	GR		6/15/2016
2818	SIGNALING RADIO BEARER OPTIMIZATIONS AND OTHER TECHNIQUES FOR SUPPORTING SMALL DATA TRANSMISSIONS	148341522	3031284	GR		6/15/2016
2819	METHOD APPARATUS AND SYSTEM FOR ELECTRICAL DOWNTILT ADJUSTMENT IN A MULTIPLE INPUT MULTIPLE OUTPUT SYSTEM	148347701	3031146	GR		6/15/2016
2820	METHOD AND SYSTEM OF ADVANCED INTERFERENCE CANCELLATION ON PDSCH AT THE UE	148347768	3031152	GR		6/15/2016
2821	SIGNALING FOR PROXIMITY SERVICES AND D2D DISCOVERY IN AN LTE NETWORK	148350218	3031272	GR		6/15/2016
2822	NETWORK MANAGEMENT	148354210	3031295	GR		6/15/2016
2823	TECHNIQUES AND CONFIGURATIONS ASSOCIATED WITH MACHINE TYPE COMMUNICATION IN ENHANCED COVERAGE MODE	148451743	3047579	GR		7/27/2016
2824	CONGESTION MEASUREMENT AND REPORTING FOR REAL-TIME DELAY-SENSITIVE APPLICATIONS	148454549	3047672	GR		7/27/2016

SCHEDULE A

No.	TITLE	Filing Number	Publication Number	Jurisdiction	Filing Date	Publication Date
2825	CONGESTION CONTROL FOR SHORT MESSAGE SERVICE IN 3RD GENERATION PARTNERSHIP PROJECT (3GPP) SYSTEMS	148462658	3047674	GR		7/27/2016
2826	USER EQUIPMENT AND METHODS FOR FAST HANDOVER FAILURE RECOVERY IN 3GPP LTE NETWORK	148465529	3047679	GR		7/27/2016
2827	GENERATION OF RANDOM ACCESS PREAMBLES	148466865	3047600	GR		7/27/2016
2828	SYSTEMS METHODS AND DEVICES WITH DIFFERENT RADIO LINK FAILURE TIMERS BASED ON USER EQUIPMENT SPEED	148478043	3064027	GR		9/7/2016
2829	SYSTEMS METHODS AND DEVICES FOR TRAFFIC OFFLOADING	148482250	3050349	GR		8/3/2016
2830	REDUCTION OF PACKET RETRANSMISSIONS IN DUAL CONNECTIVITY SYSTEMS	148483605	3050352	GR		8/3/2016
2831	SIGNALING EXTENDED EARFCN AND E-UTRA BANDS IN UMTS NETWORKS	148569197	3064012	GR		9/7/2016
2832	SYSTEMS METHODS AND DEVICES FOR EFFICIENT DEVICE-TO-DEVICE CHANNEL CONTENTION	148581481	3064016	GR		9/7/2016
2833	RESOURCE SELECTION IN DEVICE TO DEVICE COMMUNICATION	148583065	3064007	GR		9/7/2016
2834	USER EQUIPMENT AND EVOLVED NODE-B AND METHODS FOR OPERATION IN A COVERAGE ENHANCEMENT MODE	148588601	3063883	GR		9/7/2016
2835	USER EQUIPMENT AND METHODS OF BEARER OPERATION FOR CARRIER AGGREGATION	148591456	3063982	GR		9/7/2016
2836	METHOD AND EVOLVED NODE-B FOR GEOGRAPHIC BIN DATA COLLECTION AND REPORTING	148773344	3092842	GR		11/16/2016
2837	APPARATUS SYSTEM AND METHOD OF PROVIDING OFFLOADABILITY INFORMATION TO A USER-EQUIPMENT (UE)	157331240	3092845	GR		11/16/2016
2838	SYSTEMS AND METHODS FOR MODULATION AND CODING SCHEME SELECTION AND CONFIGURATION	157332461	3092761	GR		11/16/2016
2839	DISCONTINUOUS RECEPTION (DRX) ALIGNMENT TECHNIQUES FOR DUAL-CONNECTIVITY ARCHITECTURES	157333139	3092854	GR		11/16/2016
2840	DOWNLINK CONTROL INFORMATION (DCI) DESIGN FOR LTE DEVICES	157483660	3202073	GR		8/9/2017
2841	SCHEDULING FOR AN UNLICENSED CARRIER TYPE	157524422	3111569	GR		1/4/2017
2842	CIRCUIT SWITCHED FALLBACK	157525577	3111699	GR		1/4/2017
2843	USER EQUIPMENT COMPUTER READABLE MEDIUM AND METHOD TO DETERMINE THE MOBILITY OF USER EQUIPMENT IN A LONG-TERM EVOLUTION NETWORK	157527573	3111692	GR		1/4/2017

SCHEDULE A

No.	TITLE	Filing Number	Publication Number	Jurisdiction	Filing Date	Publication Date
2844	SYSTEMS METHODS AND DEVICES FOR DEVICE-TO-DEVICE COMMUNICATION MODE SELECTION	157616236	3117673	GR		1/18/2017
2845	SYSTEMS METHODS AND DEVICES FOR DEVICE-TO-DEVICE DISCOVERY AND COMMUNICATION	157619610	3117543	GR		1/18/2017
2846	SMOOTH UE TRANSFER WITHIN AN EVOLVED PACKET CORE	157628652	3198941	GR		8/2/2017
2847	METHODS SYSTEMS AND DEVICES FOR MODULATION AND CODING SCHEME SIGNALING FOR COMMON CONTROL CHANNEL	157652991	3120477	GR		1/25/2017
2848	SYSTEMS METHODS AND DEVICES FOR RADIO ACCESS TECHNOLOGY COORDINATION	157714718	3262887	GR		1/3/2018
2849	USER EQUIPMENT AND METHODS FOR HANDOVER INITIATION	157822800	3135058	GR		3/1/2017
2850	USER EQUIPMENT AND METHODS FOR MEASUREMENT OF REFERENCE SIGNAL RECEIVED QUALITY	157853805	3138316	GR		3/8/2017
2851	SYSTEMS METHODS AND DEVICES FOR DIRECT DEVICE TO DEVICE COMMUNICATION USING ENCAPSULATION	157910936	3248437	GR		11/29/2017
2852	DEVICES AND METHOD FOR RETRIEVING AND UTILIZING NEIGHBORING WLAN INFORMATION FOR LTE LAA OPERATION	158028233	3149993	GR		4/5/2017
2853	MEASUREMENT GAP ENHANCEMENT TO REDUCE MEASUREMENT DELAY	158288969	3295704	GR		3/21/2018
2854	VIRTUALIZED NETWORK FUNCTION MANAGEMENT	158304634	3178199	GR		6/14/2017
2855	NETWORK DISCOVERY AND BEAM ACQUISITION FOR BEAM CELLOPERATION	158346924	3329608	GR		6/6/2018
2856	INTERACTIVE ZOOMING IN VIDEO CONFERENCING	161688809	3094063	GR		11/16/2016
2857	TECHNIQUES FOR WIRELESS NETWORK DISCOVERY AND SELECTION SUPPORT	161690441	3086602	GR		10/26/2016
2858	DRX OPERATION FOR UL/DL RECONFIGURATION	161702980	3101824	GR		12/7/2016
2859	RADIO RESOURCE MANAGEMENT (RRM) REPORTING FOR LICENSED ASSISTED ACCESS (LAA)	167060672	3251402	GR		12/6/2017
2860	DETERMINATION OF NUMBER OF PHYSICAL UPLINK CONTROL CHANNEL REPETITIONS FOR MACHINE TYPE COMMUNICATIONS	167167592	3353935	GR		8/1/2018
2861	SIGNALING FOR PROXIMITY SERVICES AND D2D DISCOVERY IN AN LTE NETWORK	171654403	3209039	GR		8/23/2017
2862	COVERAGE EXTENSION LEVEL FOR COVERAGE LIMITED DEVICE	171705387	3229517	GR		10/11/2017
2863	UE BASED D2D DISCOVERY	172007726	3300398	GR		3/28/2018

SCHEDULE A

No.	TITLE	Filing Number	Publication Number	Jurisdiction	Filing Date	Publication Date
2864	APPARATUS SYSTEM AND METHOD OF CELLULAR NETWORK COMMUNICATIONS CORRESPONDING TO A NON-CELLULAR NETWORK			GR		
2865	CONTROL OF TRAFFIC FROM APPLICATIONS WHEN THIRD PARTY SERVERS ENCOUNTER PROBLEMS			GR		
2866	PAGING REPETITION FOR INCREASED ROBUSTNESS FOR EXTENDED PAGING CYCLES	161048255	1216962	HK	4/27/2016	12/9/2016
2867	APPARATUS SYSTEM AND METHOD OF CELLULAR NETWORK COMMUNICATIONS CORRESPONDING TO A NON-CELLULAR NETWORK	161048273	1216963	HK	4/27/2016	12/9/2016
2868	DEVICE-TO-DEVICE (D2D) PREAMBLE DESIGN	161048282	1216947	HK	4/27/2016	12/9/2016
2869	HARQ TIMING DESIGN FOR A TDD SYSTEM	161048291	1216948	HK	4/27/2016	12/9/2016
2870	SPECTRUM SHARING BASED ON SELF-ORGANIZING NETWORKS	161048308	1216964	HK	4/27/2016	12/9/2016
2871	PUCCH RESOURCE COMPRESSION FOR EPDCCH IN TDD MODE	161048674	1216954	HK	4/28/2016	12/9/2016
2872	PRESENCE SERVICE USING IMS BASED DASH SERVICE	161048683	1216958	HK	4/28/2016	12/9/2016
2873	TECHNIQUES AND SYSTEMS FOR EXTENDED DISCONTINUOUS RECEPTION	161048692	1216949	HK	4/28/2016	12/9/2016
2874	VIRTUAL CARRIER SENSING MECHANISM FOR LONG TERM EVOLUTION (LTE)	161049272	1216952	HK	4/29/2016	12/9/2016
2875	ENHANCED NODE B AND METHOD FOR RRC CONNECTION ESTABLISHMENT FOR SMALL DATA TRANSFERS	161049281	1216953	HK	4/29/2016	12/9/2016
2876	TECHNIQUES FOR WIRELESS NETWORK DISCOVERY AND SELECTION SUPPORT	161049290	1216968	HK	4/29/2016	12/9/2016
2877	APPARATUS SYSTEM AND METHOD OF USER-EQUIPMENT (UE) CENTRIC TRAFFIC ROUTING	161049502	1217070	HK	4/29/2016	12/16/2016
2878	ORTHOGONAL BEAMFORMING FOR MULTIPLE USER MULTIPLE-INPUT AND MULTIPLE-OUTPUT (MU-MIMO)	161049511	1217060	HK	4/29/2016	12/16/2016
2879	TIMING SYNCHRONIZATION IN DISCOVERY SIGNALS	161049520	1217063	HK	4/29/2016	12/16/2016
2880	LOW POWER DEVICE TO DEVICE TRANSMISSION	161049539	1217071	HK	4/29/2016	12/16/2016
2881	INTERNET PROTOCOL (IP) MULTIMEDIA SUBSYSTEM (IMS) BASED PEER-TO-PEER (P2P) CONTENT DISTRIBUTION	161049548	1217064	HK	4/29/2016	12/16/2016
2882	COMMUNICATION OF SECURITY KEY INFORMATION	161050161	1217073	HK	5/3/2016	12/16/2016
2883	UPLINK ENHANCEMENTS FOR EFFICIENT OPERATION IN SMALL CELL ENVIRONMENTS	161051080	1217140	HK	5/4/2016	12/23/2016

SCHEDULE A

No.	TITLE	Filing Number	Publication Number	Jurisdiction	Filing Date	Publication Date
2884	USER EQUIPMENT AND METHOD FOR FEEDBACK OF USER EQUIPMENT PERFORMANCE METRICS DURING DYNAMIC RADIO SWITCHING	161051099	1217145	HK	5/4/2016	12/23/2016
2885	DIAMETER/XML PROTOCOL CONVERSION	161051106	1217144	HK	5/4/2016	12/23/2016
2886	HYBRID REFERENCE SIGNALS FOR WIRELESS COMMUNICATION	161051115	1217146	HK	5/4/2016	12/23/2016
2887	MANAGEMENT TECHNIQUES FOR WIRELESS NETWORK MOBILITY PROCEDURES	161051124	1217147	HK	5/4/2016	12/23/2016
2888	HANDOVER OF USER EQUIPMENT WITH NON-GBR BEARERS	161051133	1217257	HK	5/4/2016	12/30/2016
2889	USER EQUIPMENT AND METHOD FOR DISTRIBUTED CHANNEL ACCESS FOR D2D COMMUNICATIONS	161051142	1217258	HK	5/4/2016	12/30/2016
2890	TECHNIQUES TO FACILITATE DUAL CONNECTIVITY	161051151	1217259	HK	5/4/2016	12/30/2016
2891	WIRELESS LOCAL AREA NETWORK (WLAN) TRAFFIC LOAD MEASUREMENT PROVISIONING TO WIRELESS CELLULAR NETWORKS	161051160	1217260	HK	5/4/2016	12/30/2016
2892	QUALITY OF EXPERIENCE AWARE MULTIMEDIA ADAPTIVE STREAMING	161051179	1217250	HK	5/4/2016	12/30/2016
2893	ESTABLISHMENT OF CONNECTION TO THE INTERNET IN CELLULAR NETWORK	161051188	1217261	HK	5/4/2016	12/30/2016
2894	SYSTEMS METHODS AND DEVICES FOR DISTRIBUTED SCHEDULING FOR DEVICE-TO-DEVICE INTERFERENCE MITIGATION	161055068	1217832	HK	5/13/2016	1/20/2017
2895	AN APPARATUS AND METHOD FOR CONGESTION CONTROL IN WIRELESS COMMUNICATION NETWORKS	161055077	1217852	HK	5/13/2016	1/20/2017
2896	NETWORK SCHEDULED DEVICE TO DEVICE COMMUNICATION	161055086	1217579	HK	5/13/2016	1/13/2017
2897	PROVISIONING OF APPLICATION CATEGORIES AT A USER EQUIPMENT DURING NETWORK CONGESTION	161055095	1217588	HK	5/13/2016	1/13/2017
2898	EXTENDED PAGING DISCONTINUOUS RECEPTION (DRX) CYCLES IN WIRELESS COMMUNICATION NETWORKS	161055102	1217589	HK	5/13/2016	1/13/2017
2899	RECONFIGURATION CONTROL CHANNEL RESOURCE MAPPING COLLISION AVOIDANCE	161055111	1217580	HK	5/13/2016	1/13/2017
2900	SMALL DATA COMMUNICATIONS	161055139	1217581	HK	5/13/2016	1/13/2017
2901	NETWORK ASSISTED DEVICE TO DEVICE COMMUNICATION	161055148	1217591	HK	5/13/2016	1/13/2017
2902	REDUCTION OF BUFFER OVERFLOW	161055157	1217592	HK	5/13/2016	1/13/2017
2903	APPARATUS SYSTEM AND METHOD OF COMMUNICATING NON-CELLULAR ACCESS NETWORK INFORMATION OVER A CELLULAR NETWORK	161057495	1217854	HK	5/20/2016	1/20/2017
2904	PROXIMITY-BASED SERVICES DISCOVERY PRIVACY	161057798	1217857	HK	5/20/2016	1/20/2017

SCHEDULE A

No.	TITLE	Filing Number	Publication Number	Jurisdiction	Filing Date	Publication Date
2905	WIRELESS LOCAL AREA NETWORK (WLAN) SELECTION RULES	161058573	1218034	HK	5/23/2016	1/27/2017
2906	THROUGHPUT CHARACTERIZATION	161059714	1218191	HK	5/25/2016	2/3/2017
2907	SHARED SPECTRUM REASSIGNMENT IN A SPECTRUM SHARING CONTEXT	161059723	1218210	HK	5/25/2016	2/3/2017
2908	Fast Radio Link Recovery for LTE networks	161059732	1218035	HK	5/25/2016	1/27/2017
2909	USER EQUIPMENT AND METHODS FOR CODEBOOK SUBSAMPLING FOR ENHANCED 4TX CODEBOOKS	161059769	1218029	HK	5/25/2016	1/27/2017
2910	HYBRID DIGITAL AND ANALOG BEAMFORMING FOR LARGE ANTENNA ARRAYS	161059778	1218027	HK	5/25/2016	1/27/2017
2911	GENERATION AND USE OF A USER EQUIPMENT LOCATION DISTRIBUTION IN A WIRELESS COMMUNICATION NETWORK	161067402	1218822	HK	6/13/2016	3/10/2017
2912	DATA RETRANSMISSIONS IN AN ANCHOR-BOOSTER NETWORK	161067457	1218813	HK	6/13/2016	3/10/2017
2913	EFFICIENT USER SERVICE OR CONTENT REPRESENTATION FOR DEVICE COMMUNICATION	161067466	1218809	HK	6/13/2016	3/10/2017
2914	DUAL CONNECTIVITY FOR TERMINALS SUPPORTING ONE UPLINK CARRIER	161079523	1220068	HK	7/7/2016	4/21/2017
2915	SYSTEM AND METHOD FOR INTERFERENCE CANCELLATION AND/OR SUPPRESSION ON PHYSICAL DOWNLINK SHARED CHANNEL AT THE USER EQUIPMENT	161086203	1220858	HK	7/20/2016	5/12/2017
2916	USER EQUIPMENT AND EVOLVED NODE-B SUPPORTING MACHINE TYPE COMMUNICATION AND SMALL DATA COMMUNICATION	161086212	1220845	HK	7/20/2016	5/12/2017
2917	RADIO ACCESS TECHNOLOGY INFORMATION STORAGE IN A MOBILE NETWORK	161086221	1220846	HK	7/20/2016	5/12/2017
2918	SIGNALING MESSAGE SYNCHRONIZATION	161086230	1220847	HK	7/20/2016	5/12/2017
2919	SELECTING A RADIO NODE FOR DATA TRAFFIC OFFLOADING	161086249	1220848	HK	7/20/2016	5/12/2017
2920	INCREASING SPECTRAL EFFICIENCY IN A HETEROGENEOUS NETWORK	161089530	1221089	HK	7/27/2016	5/19/2017
2921	NETWORK SELECTION IN A HETEROGENEOUS NETWORK	161089549	1221107	HK	7/27/2016	5/19/2017
2922	DYNAMICAL TIME DIVISION DUPLEX UPLINK AND DOWNLINK CONFIGURATION IN A COMMUNICATIONS NETWORK	161089558	1221081	HK	7/27/2016	5/19/2017
2923	DOWNTILT SELECTION IN A FULL DIMENSIONAL MULTIPLE-INPUT MULTIPLE-OUTPUT SYSTEM	161089567	1221082	HK	7/27/2016	5/19/2017
2924	APPARATUS SYSTEM AND METHOD OF SELECTIVELY PROVIDING INTERNET PROTOCOL (IP) SESSION CONTINUITY	161089585	1221108	HK	7/27/2016	5/19/2017
2925	SIGNALING FOR PROXIMITY SERVICES AND D2D DISCOVERY IN AN LTE NETWORK	161089594	1221109	HK	7/27/2016	5/19/2017

SCHEDULE A

No.	TITLE	Filing Number	Publication Number	Jurisdiction	Filing Date	Publication Date
2926	ENABLING DIRECT TRANSPORT LAYER CONNECTIVITY	161089601	1221090	HK	7/27/2016	5/19/2017
2927	SIGNALING RADIO BEARER OPTIMIZATIONS AND OTHER TECHNIQUES FOR SUPPORTING SMALL DATA TRANSMISSIONS	161089610	1221110	HK	7/27/2016	5/19/2017
2928	METHOD AND SYSTEM OF ADVANCED INTERFERENCE CANCELLATION ON PDSCH AT THE UE	161089629	1221562	HK	7/27/2016	6/2/2017
2929	POWER SAVING MODE OPTIMIZATIONS AND RELATED PROCEDURES	161089647	1221525	HK	7/27/2016	6/2/2017
2930	USER EQUIPMENT AND METHOD FOR PACKET BASED DEVICE-TO-DEVICE (D2D) DISCOVERY IN AN LTE NETWORK	161089656	1221564	HK	7/27/2016	6/2/2017
2931	METHODS APPARATUSES AND SYSTEMS FOR RETRIEVING DATA FROM A WIRELESS LOCAL AREA NETWORK (WLAN) ACCESS POINT	161090341	1221095	HK	7/28/2016	5/19/2017
2932	WIRELESS TRANSMISSION PRECODING	161093516	1221343	HK	8/5/2016	5/26/2017
2933	TECHNIQUES FOR EFFICIENT SMALL CELL DISCOVERY	161095471	1221563	HK	8/10/2016	6/2/2017
2934	MULTIPLE-INPUT MULTIPLE-OUTPUT CELLULAR NETWORK COMMUNICATIONS	161095499	1221561	HK	8/10/2016	5/5/2017
2935	NETWORK MANAGEMENT	161099743	1222281	HK	8/22/2016	6/23/2017
2936	COVERAGE EXTENSION LEVEL FOR COVERAGE LIMITED DEVICE	161099752	1222282	HK	8/22/2016	6/23/2017
2937	APPARATUS SYSTEM AND METHOD OF STEERING DATA RADIO BEARER TRAFFIC TO A WIRELESS LOCAL AREA NETWORK LINK	161099761	1222283	HK	8/22/2016	6/23/2017
2938	USER EQUIPMENT DISTRIBUTION INFORMATION COLLECTION	161099770	1222284	HK	8/22/2016	6/23/2017
2939	COVERAGE EXTENSION LEVEL FOR COVERAGE LIMITED DEVICE	161099789	1221826	HK	8/22/2016	6/9/2017
2940	USER EQUIPMENT REALLOCATION BETWEEN NODES	161100447	1222079	HK	8/23/2016	6/16/2017
2941	METHOD APPARATUS AND SYSTEM FOR ELECTRICAL DOWNTILT ADJUSTMENT IN A MULTIPLE INPUT MULTIPLE OUTPUT SYSTEM	161100456	1222049	HK	8/23/2016	6/16/2017
2942	TECHNIQUES FOR DEVICE-TO-DEVICE COMMUNICATIONS	161101883	1222084	HK	8/26/2016	6/16/2017
2943	COOPERATIVE MULTIPLE BEAM TRANSMISSION	161101892	1222051	HK	8/26/2016	6/16/2017
2944	TRANSMISSION OF PHYSICAL BROADCAST CHANNEL (PBCH) CONTENTS	161104862	1222481	HK	9/2/2016	6/30/2017
2945	GENERATION OF RANDOM ACCESS PREAMBLES	161105825	1222484	HK	9/6/2016	6/30/2017
2946	NETWORK COVERAGE HOLE DETECTION	161105834	1222499	HK	9/6/2016	6/30/2017

SCHEDULE A

No.	TITLE	Filing Number	Publication Number	Jurisdiction	Filing Date	Publication Date
2947	CONGESTION MEASUREMENT AND REPORTING FOR REAL-TIME DELAY-SENSITIVE APPLICATIONS	161106432	1222501	HK	9/7/2016	6/30/2017
2948	SYSTEMS METHODS AND DEVICES FOR DEVICE-TO-DEVICE DISCOVERY	161106441	1222486	HK	9/7/2016	6/30/2017
2949	DEVICES AND METHODS FOR SENDING OR RECEIVING ASSISTANCE DATA	161106450	1222502	HK	9/7/2016	6/30/2017
2950	DELIVERY OF TARGETED MEDIA CONTENT	161106469	1222503	HK	9/7/2016	6/30/2017
2951	CONGESTION CONTROL FOR SHORT MESSAGE SERVICE IN 3RD GENERATION PARTNERSHIP PROJECT (3GPP) SYSTEMS	161106478	1222757	HK	9/7/2016	7/7/2017
2952	SYSTEMS AND METHODS FOR MOBILITY STATE ESTIMATION FRAMEWORK FOR LTE NETWORK	161106487	1222758	HK	9/7/2016	7/7/2017
2953	MITIGATION OF TRAFFIC CONGESTION IN DUAL CONNECTIVITY SYSTEMS	161110276	1222970	HK	9/20/2016	7/14/2017
2954	APPLICATION CONTEXT MIGRATION FRAMEWORK AND PROTOCOL	161110285	1222927	HK	9/20/2016	7/14/2017
2955	TECHNIQUES AND CONFIGURATIONS ASSOCIATED WITH MACHINE TYPE COMMUNICATION IN ENHANCED COVERAGE MODE	161110294	1222954	HK	9/20/2016	7/14/2017
2956	TRANSMISSION CONTROL PROTOCOL (TCP) BASED VIDEO STREAMING	161112292	1223206	HK	9/23/2016	7/21/2017
2957	BEARER SPLIT RATIOS FOR DUAL CONNECTIVITY SYSTEMS	161112309	1223218	HK	9/23/2016	7/21/2017
2958	REDUCTION OF PACKET RETRANSMISSIONS IN DUAL CONNECTIVITY SYSTEMS	161112318	1223219	HK	9/23/2016	7/21/2017
2959	EMERGENCY CALL HANDLING	161112336	1223221	HK	9/23/2016	7/21/2017
2960	SIGNALING EXTENDED EARFCN AND E-UTRA BANDS IN UMTS NETWORKS	161112345	1223222	HK	9/23/2016	7/21/2017
2961	USER EQUIPMENT AND EVOLVED NODE-B AND METHODS FOR OPERATION IN A COVERAGE ENHANCEMENT MODE	161112354	1223223	HK	9/23/2016	7/21/2017
2962	METHODS FOR APERIODIC CSI REPORT TRIGGERING FOR FLEXIBLE SUBFRAMES IN LTE TDD EIMTA SYSTEMS WITH DYNAMIC UL-DL RECONFIGURATION	161112363	1223224	HK	9/23/2016	7/21/2017
2963	RESOURCE ALLOCATION FOR D2D DISCOVERY IN AN LTE NETWORK	161112372	1223225	HK	9/23/2016	7/21/2017
2964	TECHNIQUES AND CONFIGURATIONS ASSOCIATED WITH USER EQUIPMENT-INITIATED CONGESTION REPORTING	161115048	1223477	HK	10/3/2016	7/28/2017
2965	RESOURCE SELECTION IN DEVICE TO DEVICE COMMUNICATION	161115057	1223478	HK	10/3/2016	7/28/2017
2966	METRICS FOR TRAFFIC STEERING IN A WIRELESS NETWORK	161115067	1223479	HK	10/3/2016	7/28/2017
2967	APPARATUS SYSTEM AND METHOD OF INTERFACING BETWEEN A CELLULAR MANAGER AND A WLAN ACCESS DEVICE	161115075	1223480	HK	10/3/2016	7/28/2017
2968	EARLY TTT TERMINATION	161115093	1223482	HK	10/3/2016	7/28/2017

SCHEDULE A

No.	TITLE	Filing Number	Publication Number	Jurisdiction	Filing Date	Publication Date
2969	SYSTEMS METHODS AND DEVICES FOR TRAFFIC OFFLOADING	161117475	1223762	HK	10/12/2016	8/4/2017
2970	USER EQUIPMENT AND PROTOCOL AND METHODS FOR DEVICE-TO-DEVICE COMMUNICATION	161117484	1223763	HK	10/12/2016	8/4/2017
2971	USER EQUIPMENT AND MOBILITY MANAGEMENT ENTITY AND METHODS FOR PERIODIC UPDATE IN CELLULAR NETWORKS	161117493	1223764	HK	10/12/2016	8/4/2017
2972	SIGNALING FOR INTER-CELL D2D DISCOVERY IN AN LTE NETWORK	161117509	1223749	HK	10/12/2016	8/4/2017
2973	SYSTEMS METHODS AND DEVICES WITH DIFFERENT RADIO LINK FAILURE TIMERS BASED ON USER EQUIPMENT SPEED	161117518	1223765	HK	10/12/2016	8/4/2017
2974	TECHNIQUES FOR IDENTIFYING PHYSICAL HYBRID AUTOMATIC REQUEST INDICATOR CHANNEL RESOURCES	161119393	1223755	HK	10/17/2016	8/4/2017
2975	REDUCTION OF USER PLANE CONGESTION	161123814	1224478	HK	10/27/2016	8/18/2017
2976	MOBILITY INFORMATION REPORTING	161123823	1224479	HK	10/27/2016	8/18/2017
2977	SYSTEMS METHODS AND DEVICES FOR EFFICIENT DEVICE-TO-DEVICE CHANNEL CONTENTION	161123832	1224480	HK	10/27/2016	8/18/2017
2978	GATEWAY ARRANGEMENTS FOR WIRELESS COMMUNICATION NETWORKS	161123841	1224452	HK	10/27/2016	8/18/2017
2979	USER EQUIPMENT AND METHODS FOR FAST HANDOVER FAILURE RECOVERY IN 3GPP LTE NETWORK	161123850	1224481	HK	10/27/2016	8/18/2017
2980	WIRELESS LOCAL AREA NETWORK (WLAN) CONNECTIVITY OPTION DISCOVERY	161123869	1224482	HK	10/27/2016	8/18/2017
2981	COVERAGE ENHANCEMENT AND SEMI-PERSISTENT SCHEDULING SUPPORT IN LTE-TDD SYSTEMS	161123878	1224441	HK	10/27/2016	8/18/2017
2982	USER EQUIPMENT (UE) SUPPORTING PACKET-SWITCHED EMERGENCY CALLS OVER IP MULTIMEDIA SUBSYSTEM (IMS)	161125992	1224489	HK	11/2/2016	8/18/2017
2983	SYSTEMS AND METHODS FOR MODULATION AND CODING SCHEME SELECTION AND CONFIGURATION	161128052	1224834	HK	11/8/2016	8/25/2017
2984	SYNCHRONIZATION OF DEVICE TO DEVICE COMMUNICATION	161128999	1224871	HK	11/9/2016	8/25/2017
2985	TECHNIQUES FOR A DEVICE TRIGGER RECALL/REPLACE PROCEDURE	161136123	1225555	HK	11/29/2016	9/8/2017
2986	SYSTEMS METHODS AND DEVICES FOR APPLICATION AWARE ACCESS CONTROL FOR COMMUNICATION ON A MOBILE NETWORK	161136971	1225556	HK	12/1/2016	9/8/2017
2987	CLIENT/SERVER SIGNALING COMMANDS FOR DASH	161136980	1225532	HK	12/1/2016	9/8/2017
2988	POWER HEADROOM REPORTING WITH DUAL CONNECTIVITY	161136999	1225889	HK	12/1/2016	9/15/2017

SCHEDULE A

No.	TITLE	Filing Number	Publication Number	Jurisdiction	Filing Date	Publication Date
2989	SYSTEMS METHODS AND DEVICES FOR MULTIPLE SIGNAL CO-EXISTENCE IN MULTIPLE-USE FREQUENCY SPECTRUM	161137006	1225557	HK	12/1/2016	9/8/2017
2990	APPARATUS SYSTEM AND METHOD OF PROVIDING OFFLOADABILITY INFORMATION TO A USER-EQUIPMENT (UE)	161137015	1225558	HK	12/1/2016	9/8/2017
2991	INTERACTIVE VIDEO CONFERENCING	161137024	1225539	HK	12/1/2016	9/8/2017
2992	SYSTEMS METHODS AND DEVICES FOR SELECTIVE INTERFERENCE COORDINATION IN A CELLULAR PROTOCOL	161141055	1225896	HK	12/12/2016	9/15/2017
2993	APPARATUS SYSTEM AND METHOD OF CONTROLLING RADIO ACCESS TECHNOLOGY (RAT) COMMUNICATION MANAGERS	161141064	1225897	HK	12/12/2016	9/15/2017
2994	SYSTEMS METHODS AND DEVICES FOR CHANNEL RESERVATION	161141073	1225898	HK	12/12/2016	9/15/2017
2995	APPARATUS SYSTEM AND METHOD OF SECURING COMMUNICATIONS OF A USER EQUIPMENT (UE) IN A WIRELESS LOCAL AREA NETWORK	161141082	1225899	HK	12/12/2016	9/15/2017
2996	APPLICATION SPECIFIC CONGESTION CONTROL IN A WIRELESS NETWORK	161141091	1225900	HK	12/12/2016	9/15/2017
2997	ENABLING D2D FUNCTIONALITY FOR PUBLIC SAFETY APPLICATIONS	161141108	1225901	HK	12/12/2016	9/15/2017
2998	AUTONOMOUS ENHANCED NODE B	161148450	1226585	HK	12/30/2016	9/29/2017
2999	CONVEYANCE OF APPLICATION COMMUNICATION PATTERNS FROM AN EXTERNAL APPLICATION SERVER TO A 3RD GENERATION PARTNERSHIP PROJECT SYSTEM	171004149	1226895	HK	1/13/2017	10/6/2017
3000	APPARATUS SYSTEM AND METHOD OF ACCESS NETWORK DISCOVERY AND SELECTION FUNCTION (ANDSF) FOR TRAFFIC OFFLOADING	171004167	1226897	HK	1/13/2017	10/6/2017
3001	DRX OPERATION FOR UL/DL RECONFIGURATION	171006361	1227188	HK	1/18/2017	10/13/2017
3002	EXTENDED PAGING DISCONTINUOUS RECEPTION (DRX) CYCLES IN WIRELESS COMMUNICATION NETWORKS	171014824	1228157	HK	2/10/2017	10/27/2017
3003	SIGNALING FOR PROXIMITY SERVICES AND D2D DISCOVERY IN AN LTE NETWORK	171014842	1228158	HK	2/10/2017	10/27/2017
3004	APPARATUS SYSTEMS AND METHODS FOR DIFFERENTIATION OF PAYLOAD SIZE FOR D2D DISCOVERY	171014851	1228159	HK	2/10/2017	10/27/2017
3005	SYSTEMS METHODS AND DEVICES FOR OPPORTUNISTIC NETWORKING	171014879	1228161	HK	2/10/2017	10/27/2017
3006	METHOD AND EVOLVED NODE-B FOR GEOGRAPHIC BIN DATA COLLECTION AND REPORTING	171016118	1228164	HK	2/14/2017	10/27/2017

SCHEDULE A

No.	TITLE	Filing Number	Publication Number	Jurisdiction	Filing Date	Publication Date
3007	METHODS SYSTEMS AND DEVICES FOR MODULATION AND CODING SCHEME SIGNALING FOR COMMON CONTROL CHANNEL	171016127	1228130	HK	2/14/2017	10/27/2017
3008	SYSTEMS METHODS AND DEVICES FOR ENHANCING SPECTRAL EFFICIENCY WITH NETWORK-ASSISTED ADVANCED RECEIVERS	171018205	1228608	HK	2/20/2017	11/3/2017
3009	SYSTEMS METHODS AND DEVICES FOR APPLICATION SPECIFIC ROUTING IN DUAL CONNECTIVITY	171019473	1228630	HK	2/22/2017	11/3/2017
3010	SYSTEMS METHODS AND DEVICES FOR DISTRIBUTED SETUP FOR A DEVICE-TO-DEVICE SESSION	171019482	1228631	HK	2/22/2017	11/3/2017
3011	USER EQUIPMENT AND METHODS FOR HANDOVER INITIATION	171024109	1229117	HK	3/8/2017	11/10/2017
3012	LOAD BALANCING IN A WIRELESS CELLULAR NETWORK BASED ON USER EQUIPMENT MOBILITY	171024118	1229118	HK	3/8/2017	11/10/2017
3013	APPARATUS METHOD AND SYSTEM OF ESTABLISHING A CONNECTION BETWEEN A CELLULAR NODE AND A CORE NETWORK	171024127	1229119	HK	3/8/2017	11/10/2017
3014	LISTEN BEFORE TALK PROTOCOL SELECTION	171024136	1229120	HK	3/8/2017	11/10/2017
3015	USER EQUIPMENT AND METHOD FOR PACKET BASED DEVICE-TO-DEVICE DISCOVERY	171024145	1229121	HK	3/8/2017	11/10/2017
3016	USER EQUIPMENT GENERATION AND SIGNALING OF FEEDBACK FOR SUPPORTING ADAPTIVE DEMODULATION REFERENCE SIGNAL TRANSMISSION	171027366	1229095	HK	3/17/2017	11/10/2017
3017	SIMULTANEOUS SCHEDULING REQUEST TRANSMISSION IN DUAL CONNECTIVITY	171028882	1229592	HK	3/21/2017	11/17/2017
3018	MOBILITY MANAGEMENT ENTITY USER EQUIPMENT AND METHODS FOR MACHINE TYPE COMMUNICATION	171028891	1229593	HK	3/21/2017	11/17/2017
3019	SYSTEMS METHODS AND DEVICES FOR FLEXIBLE RETRANSMISSIONS	171028908	1229594	HK	3/21/2017	11/17/2017
3020	DYNAMIC DECLARATION OF CONFORMITY AND CERTIFICATION FOR RADIO APPLICATION DISTRIBUTION	171031075	1229606	HK	3/27/2017	11/17/2017
3021	CHANNEL RESERVATION FOR OPERATION IN AN UNLICENSED SPECTRUM	171031084	1229607	HK	3/27/2017	11/17/2017
3022	METHOD AND APPARATUS TO ASSIST NETWORK TRAFFIC	171034795	1229989	HK	4/6/2017	11/24/2017
3023	SYSTEMS AND METHODS FOR MODULATION AND CODING SCHEME SELECTION AND CONFIGURATION	171034802	1229974	HK	4/6/2017	11/24/2017
3024	DEVICES AND METHOD FOR RETRIEVING AND UTILIZING NEIGHBORING WLAN INFORMATION FOR LTE LAA OPERATION	171034820	1229991	HK	4/6/2017	11/24/2017

SCHEDULE A

No.	TITLE	Filing Number	Publication Number	Jurisdiction	Filing Date	Publication Date
3025	METHOD AND EVOLVED NODE-B FOR GEOGRAPHIC BIN DATA COLLECTION AND REPORTING	171034866	1229992	HK	4/6/2017	11/24/2017
3026	USER EQUIPMENT COMPUTER READABLE MEDIUM AND METHOD TO DETERMINE THE MOBILITY OF USER EQUIPMENT IN A LONG-TERM EVOLUTION NETWORK	171051757	1231664	HK	5/22/2017	12/22/2017
3027	MEASUREMENT GAP PATTERNS	171064413	1233109	HK	6/28/2017	1/19/2018
3028	PREVENTING A MOBILE DEVICE FROM REPEATING A REQUEST TOWARD A MOBILE NETWORK	171068696	1233416	HK	7/10/2017	1/26/2018
3029	APPARATUS SYSTEM AND METHOD OF COMMUNICATING WIRELESS LOCAL AREA NETWORK (WLAN) OFFLOADING INFORMATION BETWEEN CELLULAR MANAGERS	171068703	1233417	HK	7/10/2017	1/26/2018
3030	LTE-U COMMUNICATION DEVICES AND METHODS FOR APERIODIC BEACON AND REFERENCE SIGNAL TRANSMISSION	171070013	1233389	HK	7/12/2017	1/26/2018
3031	SYSTEMS METHODS AND DEVICES FOR CELL SELECTION BASED ON PRIORITIZED NODES	171070040	1233425	HK	7/12/2017	1/26/2018
3032	DISCONTINUOUS RECEPTION (DRX) ALIGNMENT TECHNIQUES FOR DUAL-CONNECTIVITY ARCHITECTURES	171070068	1233427	HK	7/12/2017	1/26/2018
3033	TENTATIVE GRANT FOR EFFICIENT DEVICE TO DEVICE COMMUNICATIONS	171070399	1233817	HK	7/13/2017	2/2/2018
3034	APPARATUS SYSTEMS AND METHOD FOR PAGING ENHANCEMENTS FOR LOW COMPLEXITY USER EQUIPMENT	171070424	1233820	HK	7/13/2017	2/2/2018
3035	COVERAGE EXTENSION LEVEL FOR COVERAGE LIMITED DEVICE	171070433	1233780	HK	7/13/2017	2/2/2018
3036	APPARATUS SYSTEMS AND METHODS FOR MEASURING QUALITY OF CELL DISCOVERY SIGNAL	171071548	1233822	HK	7/17/2017	2/2/2018
3037	USER EQUIPMENT AND EVOLVED NODE-B AND METHODS FOR RANDOM ACCESS FOR MACHINE TYPE COMMUNICATION	171073163	1233798	HK	7/21/2017	2/2/2018
3038	LAWFUL INTERCEPT REPORTING IN WIRELESS NETWORKS USING PUBLIC SAFETY RELAYS	171073172	1233827	HK	7/21/2017	2/2/2018
3039	SCHEDULING FOR AN UNLICENSED CARRIER TYPE	171073181	1233777	HK	7/21/2017	2/2/2018
3040	SYSTEM AND METHOD TO MEASURE AN ERROR RATE OF A WIRELESS LOCAL AREA NETWORK	171076124	1234242	HK	8/1/2017	2/9/2018
3041	CONTROL OF TRAFFIC FROM APPLICATIONS WHEN THIRD PARTY SERVERS ENCOUNTER PROBLEMS	171076366	1234228	HK	8/1/2017	2/9/2018
3042	PDCCH DESIGN FOR NARROWBAND DEPLOYMENT	171076393	1234229	HK	8/1/2017	2/9/2018
3043	VIRTUALIZED NETWORK FUNCTION MANAGEMENT	171076419	1234230	HK	8/1/2017	2/9/2018

SCHEDULE A

No.	TITLE	Filing Number	Publication Number	Jurisdiction	Filing Date	Publication Date
3044	TECHNIQUES FOR SECURELY RECEIVING CRITICAL COMMUNICATION CONTENT ASSOCIATED WITH A CRITICAL COMMUNICATION SERVICE	171076437	1234246	HK	8/1/2017	2/9/2018
3045	SYSTEM AND METHOD FOR TDD COMMUNICATIONS	171077141	1234220	HK	8/3/2017	2/9/2018
3046	USER EQUIPMENT AND METHODS TO INDICATE POWER SAVING MODE CONFIGURATION TO RAN NODES	171077169	1234247	HK	8/3/2017	2/9/2018
3047	COMMUNICATION SYSTEMS AND METHODS	171077212	1234248	HK	8/3/2017	2/9/2018
3048	USER EQUIPMENT AND METHOD FOR PACKET BASED DEVICE-TO-DEVICE (D2D) DISCOVERY IN AN LTE NETWORK	171083624	1234938	HK	8/21/2017	2/23/2018
3049	AN APPARATUS AND METHOD ENHANCING QUALITY OF SERVICE ARCHITECTURE FOR LTE	171085089	1234919	HK	8/24/2017	2/23/2018
3050	USER EQUIPMENT AND METHODS FOR MEASUREMENT OF REFERENCE SIGNAL RECEIVED QUALITY	171090368	1247765	HK	9/7/2017	9/28/2018
3051	METHODS AND APPARATUS OF EVOLVED NODE B AND USER EQUIPMENT FOR CAPABILITY INFORMATION SETTING	171090867	1235599	HK	9/8/2017	3/9/2018
3052	NETWORK FUNCTIONS VIRTUALIZATION	171090876	1235566	HK	9/8/2017	3/9/2018
3053	EVOLVED NODE-B USER EQUIPMENT AND METHODS FOR HYBRID AUTOMATIC REPEAT REQUEST (HARQ) COMMUNICATION	171092160	1235578	HK	9/12/2017	3/9/2018
3054	SYSTEMS AND METHODS FOR MANAGING CIRCUIT SWITCHED FALLBACK CALLS	171094408	1235966	HK	9/18/2017	3/16/2018
3055	TRANSMISSION OF COMMON CONTROL MESSAGES FOR MACHINE-TYPE COMMUNICATION (MTC) USER EQUIPMENTS WITH REDUCED BANDWIDTH	171094417	1235922	HK	9/18/2017	3/16/2018
3056	SMOOTH UE TRANSFER WITHIN AN EVOLVED PACKET CORE	171094435	1235967	HK	9/18/2017	3/16/2018
3057	METHOD AND APPARATUS OF UE AND ENB FOR MTC WITH NARROWBAND DEPLOYMENT	171094505	1235932	HK	9/18/2017	3/16/2018
3058	MODIFIED ARCHITECTURE FOR CLOUD RADIO ACCESS NETWORKS AND APPROACH FOR COMPRESSION OF FRONT-HAUL DATA	171095041	1235970	HK	9/19/2017	3/16/2018
3059	SYSTEMS AND METHODS FOR VARIED CELL BARRING TIMES	171095050	1235971	HK	9/19/2017	3/16/2018
3060	APPARATUS SYSTEM AND METHOD OF WIRELESS LOCAL AREA NETWORK (WLAN) SETTING OF A USER EQUIPMENT (UE)	171095069	1235972	HK	9/19/2017	3/16/2018

SCHEDULE A

No.	TITLE	Filing Number	Publication Number	Jurisdiction	Filing Date	Publication Date
3061	SYSTEM AND METHOD OF HANDLING UPLINK TRANSMISSION COLLISION FOR ENHANCED COVERAGE MODE UES	171095087	1235974	HK	9/9/2017	3/16/2018
3062	APPARATUS SYSTEM AND METHOD OF RELAY BACKHAULING WITH MILLIMETER WAVE CARRIER AGGREGATION	171095096	1235924	HK	9/19/2017	3/16/2018
3063	METHODS AND APPARATUSES TO FORM SELF-ORGANIZED MULTI-HOP MILLIMETER WAVE BACKHAUL LINKS	171095899	1235979	HK	9/21/2017	3/16/2018
3064	SYSTEMS APPARATUSES AND METHODS FOR LIGHTWEIGHT OVER-THE-AIR SIGNALING MECHANISMS IN DATA COMMUNICATIONS	171095942	1235980	HK	9/21/2017	3/16/2018
3065	METHODS AND APPARATUSES OF WLAN ALARM NOTIFICATION IN CELLULAR NETWORKS	171096004	1235937	HK	9/21/2017	3/16/2018
3066	METHODS APPARATUS OF ENB AND UE FOR MTC WITH NARROWBAND DEPLOYMENT	171096077	1235927	HK	9/21/2017	3/16/2018
3067	JOINT PROCESSING OF TRANSPORT BLOCKS ON MULTIPLE COMPONENT CARRIERS FOR CA (CARRIER AGGREGATION) AND LAA (LICENSE ASSISTED ACCESS)	171109580	1237154	HK	10/27/2017	4/6/2018
3068	NETWORK-INITIATED DISCOVERY AND PATH SELECTION PROCEDURES FOR MULTI-HOP UNDERLAY NETWORKS	171112816	1237575	HK	11/2/2017	4/13/2018
3069	SYSTEMS METHODS AND DEVICES FOR DEVICE-TO-DEVICE RELAY COMMUNICATION	171119141	1238464	HK	11/16/2017	4/27/2018
3070	TRAFFIC ENGINEERING IN HETEROGENEOUS MILLIMETER-WAVE AND LTE SMALL CELL SYSTEMS	171119258	1238420	HK	11/16/2017	4/27/2018
3071	METHODS FOR APERIODIC CSI REPORT TRIGGERING FOR FLEXIBLE SUBFRAMES IN LTE TDD EIMTA SYSTEMS	171130985	1239980	HK	12/11/2017	5/11/2018
3072	SYSTEMS DEVICES AND METHODS FOR LONG TERM EVOLUTION AND WIRELESS LOCAL AREA INTERWORKING	171132484	1240445	HK	12/13/2017	5/18/2018
3073	LOAD BALANCING SCHEMES FOR IDLE MODE USER EQUIPMENT	171135383	1240447	HK	12/19/2017	5/18/2018
3074	METHODS AND APPARATUSES FOR FLEXIBLE MOBILE STEERING IN CELLULAR NETWORKS	181003210	1244189	HK	1/10/2018	6/1/2018
3075	CONNECTION CONTROL FOR MACHINE TYPE COMMUNICATION (MTC) DEVICES	181004228	1241193	HK	1/12/2018	6/1/2018
3076	USER EQUIPMENT AND METHODS FOR CSI MEASUREMENTS WITH REDUCED BANDWIDTH SUPPORT	181004246	1241151	HK	1/12/2018	6/1/2018
3077	EARLY TERMINATION OF REPEATED TRANSMISSIONS FOR MTC	181004255	1241168	HK	1/12/2018	6/1/2018

SCHEDULE A

No.	TITLE	Filing Number	Publication Number	Jurisdiction	Filing Date	Publication Date
3078	AN APPARATUS AND METHOD FOR NETWORK ASSISTED DOMAIN SELECTION	181004273	1241169	HK	1/12/2018	6/1/2018
3079	LISTEN BEFORE TALK (LBT) DESIGN FOR UPLINK LICENSED ASSISTED ACCESS (LAA) OPERATION IN UNLICENSED BAND	181004282	1241196	HK	1/12/2018	6/1/2018
3080	APPARATUS AND METHOD OF PROVIDING A FLEXIBLE GUARD INTERVAL FOR BLOCK SINGLE CARRIER TRANSMISSION	181004415	1241171	HK	1/12/2018	6/1/2018
3081	APPARATUS SYSTEM AND METHOD OF PROCESSING PDCP PDUs OF AN E-RAB	181004460	1241198	HK	1/12/2018	6/1/2018
3082	APPLICATION SPECIFIC CONGESTION CONTROL FOR DATA COMMUNICATIONS	181004479	1241172	HK	1/12/2018	6/1/2018
3083	UPLINK SCHEDULING FOR LICENSE ASSISTED ACCESS	181004488	1241199	HK	1/12/2018	6/1/2018
3084	SYSTEM AND METHODS FOR PRECODED TRANSMISSIONS FOR NARROWBAND TRANSMISSIONS WITHIN WIDER SYSTEM BANDWIDTH	181009152	1241595	HK	1/22/2018	6/8/2018
3085	POWER HEADROOM REPORTING WITH CHANNEL SELECTION	181009161	1241633	HK	1/22/2018	6/8/2018
3086	LAA (LICENSE ASSISTED ACCESS) BURST CONTROL INFORMATION	181009189	1241633	HK	1/22/2018	6/8/2018
3087	PUBLIC SAFETY DISCOVERY AND COMMUNICATION USING A UE-TO-UE RELAY	181009205	1241635	HK	1/22/2018	6/8/2018
3088	APPARATUS SYSTEM AND METHOD OF COMMUNICATING BETWEEN A CELLULAR MANAGER AND A USER EQUIPMENT (UE) VIA A WLAN ACCESS DEVICE	181009223	1241637	HK	1/22/2018	6/8/2018
3089	CARRIAGE OF MEDIA CONTENT QUALITY INFORMATION	181009232	1241618	HK	1/22/2018	6/8/2018
3090	MOBILE COMMUNICATION IN MACRO-CELL ASSISTED SMALL CELL NETWORKS	181009376	1241638	HK	1/22/2018	6/8/2018
3091	INCREASED CARRIER MONITORING	181009465	1241639	HK	1/22/2018	6/8/2018
3092	TECHNIQUES FOR MONITORING VIRTUALIZED NETWORK FUNCTIONS OR NETWORK FUNCTIONS VIRTUALIZATION INFRASTRUCTURE	181009535	1241598	HK	1/22/2018	6/8/2018
3093	SYSTEMS METHODS AND DEVICES FOR LICENSED SHARED ACCESS MANAGEMENT WITH DISTRIBUTED INFORMATION STORAGE	181009553	1241641	HK	1/22/2018	6/8/2018
3094	SYSTEMS METHODS AND DEVICES FOR DIRECT DEVICE TO DEVICE COMMUNICATION USING ENCAPSULATION	181009562	1241642	HK	1/22/2018	6/8/2018
3095	SECURITY KEY REFRESH FOR DUAL CONNECTIVITY	181009991	1241643	HK	1/23/2018	6/8/2018
3096	GENERATION AND USE OF A USER EQUIPMENT LOCATION DISTRIBUTION IN A WIRELESS COMMUNICATION	181011336	1242098	HK	1/24/2018	6/15/2018

SCHEDULE A

No.	TITLE	Filing Number	Publication Number	Jurisdiction	Filing Date	Publication Date
	NETWORK					
3097	RADIO RESOURCE MANAGEMENT (RRM) REPORTING FOR LICENSED ASSISTED ACCESS (LAA)	181013637	1242105	HK	1/29/2018	6/15/2018
3098	UPLINK TRAFFIC CONTROL METHOD IN TIGHTLY INTEGRATED WIFI/LTE	181018455	1242501	HK	2/6/2018	6/22/2018
3099	SYSTEMS METHODS AND APPARATUS FOR BEARER SPLITTING IN MULTI-RADIO HETNET	181018954	1242885	HK	2/7/2018	6/29/2018
3100	APPARATUS SYSTEMS AND METHODS FOR PROBABILISTIC TRANSMISSION OF DEVICE-TO-DEVICE (D2D) DISCOVERY MESSAGES	181018963	1242886	HK	2/7/2018	6/29/2018
3101	SYSTEMS AND METHODS FOR WLAN NETWORK SELECTION	181019178	1242890	HK	2/7/2018	6/29/2018
3102	INTERACTIVE VIDEO CONFERENCING	181019187	1242874	HK	2/7/2018	6/29/2018
3103	SYSTEMS METHODS AND DEVICES FOR DIRECT COMMUNICATION USING A PC5 PROTOCOL	181019677	1242893	HK	2/8/2018	6/29/2018
3104	COMMUNICATION OF CONGESTION CONTROL INFORMATION	181019695	1242894	HK	2/8/2018	6/29/2018
3105	OTDOA (OBSERVED TIME DIFFERENCE OF ARRIVAL) POSITIONING ENHANCEMENT BY USING HETEROGENEOUS REFERENCE SIGNALS	181019793	1242895	HK	2/8/2018	6/29/2018
3106	DEVICE AND METHOD TO IMPROVE HORIZONTAL AND VERTICAL POSITIONING ACCURACY	181019935	1243267	HK	2/8/2018	7/6/2018
3107	ADAPTIVE PAGING TECHNIQUES FOR EXTENDED COVERAGE CAPABLE DEVICES	181020040	1242899	HK	2/8/2018	6/29/2018
3108	SUBSCRIBER IDENTITY MODULE PROVIDER APPARATUS FOR OVER-THE-AIR PROVISIONING OF SUBSCRIBER IDENTITY MODULE CONTAINERS AND METHODS	181023154	1243270	HK	2/13/2018	7/6/2018
3109	SYSTEMS AND METHODS FOR SIGNALING IN AN INCREASED CARRIER MONITORING WIRELESS COMMUNICATION ENVIRONMENT	181032439	1243838	HK	3/7/2018	7/20/2018
3110	POSITIONING WITH WLAN TIME OF FLIGHT	181035356	1244147	HK	3/13/2018	7/27/2018
3111	DEVICE SYSTEM AND METHOD EMPLOYING UNIFIED FLEXIBLE 5G AIR INTERFACE	181035365	1244117	HK	3/13/2018	7/27/2018
3112	SYSTEMS AND METHODS FOR AGGREGATING AN ENHANCED MULTIMEDIA BROADCAST MULTICAST SERVICE OVER MULTIPLE FREQUENCY CARRIERS	181035374	1244124	HK	3/13/2018	7/27/2018
3113	SYSTEMS METHODS AND DEVICES FOR RADIO ACCESS TECHNOLOGY COORDINATION	181035383	1244148	HK	3/13/2018	7/27/2018

SCHEDULE A

No.	TITLE	Filing Number	Publication Number	Jurisdiction	Filing Date	Publication Date
3114	OPPORTUNISTIC ACCESS OF MILLIMETERWAVE RADIO ACCESS TECHNOLOGY BASED ON EDGE CLOUD MOBILE PROXY	181035613	1244150	HK	3/14/2018	7/27/2018
3115	MME OVERLOAD OR UNDERLOAD MITIGATION BY MME VNF APPARATUS AND METHOD	181035622	1244151	HK	3/14/2018	7/27/2018
3116	SYSTEMS METHODS AND DEVICES FOR UPLINK TRANSMISSIONS WITH REDUCED SIGNALING OVERHEAD	181036603	1244386	HK	3/16/2018	8/3/2018
3117	DEVICE SYSTEM AND METHOD OF QUASI-ORTHOGONAL MULTIPLE ACCESS	181036667	1244132	HK	3/16/2018	7/27/2018
3118	USER EQUIPMENT AND METHODS FOR CODEBOOK SUBSAMPLING FOR ENHANCED 4TX CODEBOOKS	181036765	1244119	HK	3/16/2018	7/27/2018
3119	DEVICE SYSTEM AND METHOD OF CELL SPECIFIC PROBABILITY LOAD BALANCING	181036836	1244156	HK	3/16/2018	7/27/2018
3120	PROCEDURES TO PROVISION AND ATTACH A CELLULAR INTERNET OF THINGS DEVICE TO A CLOUD SERVICE PROVIDER	181044649	1246555	HK	4/4/2018	9/7/2018
3121	SYSTEMS METHODS AND DEVICES FOR SECURE DEVICE-TO-DEVICE DISCOVERY AND COMMUNICATION	181044658	1246556	HK	4/4/2018	9/7/2018
3122	RAN PAGING MECHANISM TO ENABLE ENHANCED COVERAGE MODE	181044667	1246557	HK	4/4/2018	9/7/2018
3123	REFERENCE SIGNAL PRESENCE DETECTION BASED LICENSE ASSISTED ACCESS AND REFERENCE SIGNAL SEQUENCE DESIGN	181044676	1246558	HK	4/4/2018	9/7/2018
3124	METHODS APPARATUSES AND SYSTEMS FOR ENHANCEMENT OF EVOLVED PHYSICAL DOWNLINK CONTROL CHANNEL FOR MACHINE TYPE COMMUNICATIONS	181059286	1246566	HK	5/8/2018	9/7/2018
3125	POSITIONING REFERENCE SYSTEM (PRS) DESIGN ENHANCEMENT	181059295	1246535	HK	5/8/2018	9/7/2018
3126	METHODS AND APPARATUSES FOR MACHINE-TYPE COMMUNICATIONS IN CELLULAR NETWORKS	181060915	1247020	HK	5/10/2018	9/14/2018
3127	USER EQUIPMENT RADIO-FREQUENCY AND BAND CAPABILITY FOR CARRIER AGGREGATION MEASUREMENT GAP	181060924	1246995	HK	5/10/2018	9/14/2018
3128	USER EQUIPMENT AND METHODS FOR PHYSICAL UPLINK CONTROL CHANNEL (PUCCH) RESOURCE ALLOCATION AND COMMUNICATION	181066857	1247472	HK	5/23/2018	9/21/2018
3129	RANDOM ACCESS PROCEDURE FOR ENHANCED COVERAGE SUPPORT	181066893	1247501	HK	5/23/2018	9/21/2018
3130	CELL SPECIFIC GROUP MEASUREMENT GAP FOR CARRIER AGGREGATION	181066937	1247502	HK	5/23/2018	9/21/2018
3131	LATENCY REDUCTION TECHNIQUES FOR RADIO ACCESS NETWORKS	181085480	1249324	HK	7/3/2018	10/26/2018
3132	PAGING ENHANCEMENT FOR EXTENDED DRX IN CELLULAR SYSTEMS	181085505	1249326	HK	7/3/2018	10/26/2018

SCHEDULE A

No.	TITLE	Filing Number	Publication Number	Jurisdiction	Filing Date	Publication Date
3133	CONTENTION FREE PHYSICAL UPLINK SHARED CONTROL CHANNEL (PUSCH) TRANSMISSION USING LISTEN BEFORE TALK	181085514	1249327	HK	7/3/2018	10/26/2018
3134	NON-CONTENTION BASED LOW LATENCY SCHEDULING REQUEST TRANSMISSION	181085523	1249328	HK	7/3/2018	10/26/2018
3135	SYSTEMS AND METHODS FOR SIGNALING IN AN INCREASED CARRIER MONITORING WIRELESS COMMUNICATION ENVIRONMENT	181085747	1249298	HK	7/3/2018	10/26/2018
3136	DEVICE AND METHOD OF CONFIGURABLE SYNCHRONIZATION SIGNAL AND CHANNEL DESIGN	181085943	1248941	HK	7/3/2018	10/19/2018
3137	DISTRIBUTED LINK SCHEDULING TECHNIQUE FOR DEVICE TO DEVICE COMMUNICATION	181085952	1248962	HK	7/3/2018	10/19/2018
3138	SIGNALING FOR INTER-CELL D2D DISCOVERY IN AN LTE NETWORK	181085961		HK	7/3/2018	
3139	LOW OVERHEAD SYSTEM INFORMATION ACQUISITION FOR WIRELESS COMMUNICATION	181086906	1249330	HK	7/5/2018	10/26/2018
3140	SIGNALING FOR PER CARRIER-COMPONENT BASED ENHANCED MEASUREMENT GAP CONFIGURATION	181086942	1249331	HK	7/5/2018	10/26/2018
3141	UE-TO-NETWORK RELAY INITIATION AND CONFIGURATION	181086960	1249332	HK	7/5/2018	10/26/2018
3142	ACK/NACK SIGNALS FOR NEXT GENERATION LTE DEVICES AND SYSTEMS	181087255	1249304	HK	7/5/2018	10/26/2018
3143	ADAPTIVE VIDEO STREAMING USING DYNAMIC RADIO ACCESS NETWORK INFORMATION	181088842	1249674	HK	7/9/2018	11/2/2018
3144	CARRIER MEASUREMENTS FOR MULTI-CARRIER DEVICES	181094586	1250111	HK	7/20/2018	11/23/2018
3145	SYSTEMS METHODS AND DEVICES FOR OPPORTUNISTIC NETWORKING	181094602	1250112	HK	7/20/2018	11/23/2018
3146	ENHANCED SUPPORT VEHICLE-TO-ANYTHING (V2X) COMMUNICATION	181096290	1250294	HK	7/25/2018	12/7/2018
3147	ENERGY DETECTION THRESHOLD ADAPTATION FOR LICENSED ASSISTED ACCESS OF LTE IN UNLICENSED BAND	181096307	1250295	HK	7/25/2018	12/7/2018
3148	TRANSMISSION DESIGNS FOR RADIO ACCESS TECHNOLOGIES	181107910	1251379	HK	8/22/2018	1/25/2019
3149	BEAMFORMED PHYSICAL DOWNLINK CONTROL CHANNELS (BPDCCHS) FOR NARROW BEAM BASED WIRELESS COMMUNICATION	181107929	1251380	HK	8/22/2018	1/25/2019
3150	CONFIGURATION OF NON-UE-SPECIFIC SEARCH SPACE FOR M-PDCCH	181107947	1251382	HK	8/22/2018	1/25/2019
3151	METHODS FOR CQI FEEDBACK AND RRM MEASUREMENTS WITH DYNAMIC POWER SHARING AMONG MULTIPLE LAA SCELLS FOR DL-ONLY TRANSMISSION	181108722	1251736	HK	8/23/2018	2/1/2019

SCHEDULE A

No.	TITLE	Filing Number	Publication Number	Jurisdiction	Filing Date	Publication Date
3152	CODEBOOK DESIGN FOR BEAMFORMED CSI-RS FOR FD-MIMO	181108731	1251729	HK	8/23/2018	2/1/2019
3153	UPLINK SYNCHRONIZATION WITH ASSISTED mmWAVE ENHANCED NODE B	181108759	1251760	HK	8/23/2018	1/4/2019
3154	SECURE DIRECT DISCOVERY AMONG USER EQUIPMENT	181108768	1251737	HK	8/23/2018	2/1/2019
3155	USER EQUIPMENT (UE) AND METHODS FOR DYNAMIC MILLIMETER WAVE PENCIL CELL COMMUNICATION	181108786	1251761	HK	8/23/2018	2/1/2019
3156	SYSTEM AND METHODS FOR SYSTEM OPERATION FOR NARROWBAND-LTE FOR CELLULAR IOT	181108795	1251738	HK	8/23/2018	2/1/2019
3157	DYNAMIC PARTITION RESOURCE ALLOCATION IN 5G NETWORKS	181109883	1251765	HK	8/27/2018	2/1/2019
3158	EVOLVED NODE-B SHARED SPECTRUM CONTROLLER AND METHOD FOR COMMUNICATION IN SHARED SPECTRUM	181113093	1251841	HK	9/4/2018	4/12/2019
3159	USER EQUIPMENT (UE) AND METHODS FOR COMMUNICATION USING DIRECTIONAL TRANSMISSION AND RECEPTION	181113100	1251985	HK	9/4/2018	5/10/2019
3160	OFDMA-BASED MULTIPLEXING OF UPLINK CONTROL INFORMATION	181113119	1251842	HK	9/4/2018	4/12/2019
3161	NETWORK DISCOVERY AND BEAM ACQUISITION FOR BEAM CELLOPERATION	181113137	1251987	HK	9/4/2018	5/10/2019
3162	ENHANCED SOUNDING REFERENCE SIGNALING FOR UPLINK BEAM TRACKING	181113253	1251997	HK	9/4/2018	5/10/2019
3163	LIGHTWEIGHT S-1 LITE PROTOCOL DESIGN FOR CELLULAR INTERNET OF THINGS	181113315	1252002	HK	9/4/2018	5/10/2019
3164	TRANSMIT BEAMFORMING	181118025	1252493	HK	9/13/2018	5/31/2019
3165	RADIO RESOURCE CONTROL IN CELLULAR/WLAN AGGREGATION	181118285	1252519	HK	9/14/2018	5/31/2019
3166	INTER-BEAM MOBILITY CONTROL IN MIMO COMMUNICATION SYSTEMS	181118294	1252520	HK	9/14/2018	5/31/2019
3167	REFERENCE SIGNALS FOR INITIAL ACQUISITION IN 5G SYSTEMS	181118374	1252527	HK	9/14/2018	5/31/2019
3168	RECEIVED SIGNAL STRENGTH INDICATOR MEASUREMENT FOR LICENSED ASSISTED ACCESS	181118454	1252535	HK	9/14/2018	5/31/2019
3169	GATEWAY ARRANGEMENTS FOR WIRELESS COMMUNICATION NETWORKS	181118463	1252536	HK	9/14/2018	5/31/2019
3170	PHYSICAL BROADCAST CHANNEL DESIGN	181121565	1252828	HK	9/20/2018	6/6/2019
3171	APPARATUS SYSTEM AND METHOD OF COMMUNICATING BETWEEN A CELLULAR MANAGER AND A USER EQUIPMENT (UE) VIA A WLAN NODE	181121583	1252830	HK	9/20/2018	6/6/2019
3172	USER EQUIPMENT CAPABILITY REPORTING	181121654	1253511	HK	9/20/2018	6/21/2019
3173	RANDOM ACCESS PROCEDURE FOR BEAM BASED CELL-LESS OPERATION IN 5G RAT	181122243	1252787	HK	9/21/2018	5/31/2019

SCHEDULE A

No.	TITLE	Filing Number	Publication Number	Jurisdiction	Filing Date	Publication Date
3174	TRANSMISSION OF UPLINK CONTROL INFORMATION IN WIRELESS SYSTEMS	181122298	1252882	HK	9/21/2018	6/6/2019
3175	TRANSMISSION OF UPLINK CONTROL INFORMATION IN WIRELESS SYSTEMS	181122305	1252883	HK	9/21/2018	6/6/2019
3176	USER EQUIPMENT (UE) AND METHODS FOR REGISTRATION OF CIRCUIT-SWITCHED (CS) SERVICES IN MULTI-MODE OPERATION	181122341	1252887	HK	9/21/2018	6/6/2019
3177	SYSTEM INFORMATION CHANGE NOTIFICATION TECHNIQUES FOR WIRELESS COMMUNICATIONS NETWORKS	181122378	1252890	HK	9/21/2018	6/6/2019
3178	SUPPORTING SEMI-PERSISTENT SCHEDULING FOR VARIED TRANSMISSION TIME INTERVALS	181122387	1252891	HK	9/21/2018	6/6/2019
3179	DUAL RADIO OPERATION BETWEEN ACCESS SYSTEMS USING 3GPP RADIO ACCESS TECHNOLOGY	181122396	1252892	HK	9/21/2018	6/6/2019
3180	MEASUREMENT METHOD IN CARRIER AGGREGATION AND ASYNCHRONOUS DUAL CONNECTIVITY	181122412	1252894	HK	9/21/2018	6/6/2019
3181	DYNAMICALLY BEAMFORMED CONTROL CHANNEL FOR BEAMFORMED CELLS	181130065	1253872	HK	10/11/2018	7/5/2019
3182	VIRTUAL MOBILE MANAGEMENT ENTITY MANAGEMENT	181130083	1253874	HK	10/11/2018	7/5/2019
3183	USER EQUIPMENT CONTROLLED MOBILITY IN AN EVOLVED RADIO ACCESS NETWORK	181133703	1254228	HK	10/18/2018	7/12/2019
3184	PERSONAL AREA NETWORK COMMUNICATION FOR WEARABLE DEVICES	181134445	1254368	HK	10/19/2018	7/19/2019
3185	APPARATUSES FOR DMRS DESIGN OR PROCESSING FOR GUARD INTERVAL OR ZERO TAIL DFT SPREAD OFDM SYSTEMS	181134515	1254375	HK	10/19/2018	7/19/2019
3186	SAS INTERFERENCE MITIGATION OPTIONS	181134533	1254377	HK	10/19/2018	7/19/2019
3187	SIGNALING METHODS FOR FLEXIBLE RADIO RESOURCE MANAGEMENT	181134579	1254381	HK	10/19/2018	7/19/2019
3188	AIR INTERFACE RESOURCE UTILIZATION TECHNIQUES FOR WIRELESS COMMUNICATION NETWORKS	181134622	1254385	HK	10/19/2018	7/19/2019
3189	FRAME STRUCTURE FOR UPLINK SCHEDULING	181137237	1254712	HK	10/26/2018	7/26/2019
3190	NETWORK INITIATED PACKET DATA NETWORK CONNECTION	181137246	1254713	HK	10/26/2018	7/26/2019
3191	LAYER 2 RELAY PROTOCOLS AND MOBILITY RELAY METHOD	181137273	1254716	HK	10/26/2018	7/26/2019
3192	FLEXILE UNIVERSAL EXTENDED FRAME STRUCTURE	181137282	1254717	HK	10/26/2018	7/26/2019
3193	CONFIGURING DOWNLINK LISTEN-BEFORE-TALK PRIORITY CLASS FOR UPLINK GRANT TRANSMISSION IN LICENSED ASSISTED ACCESS	181137291	1254718	HK	10/26/2018	7/26/2019
3194	CONTENTION WINDOW SIZE	181142061	1255077	HK	11/7/2018	8/2/2019

SCHEDULE A

No.	TITLE	Filing Number	Publication Number	Jurisdiction	Filing Date	Publication Date
	ADAPTATION					
3195	DESIGN AND TRANSMISSION OF (E)PDCCH WITHIN PARTIAL SUBFRAME IN LICENSED ASSISTED ACCESS (LAA)	181142098	1255080	HK	11/7/2018	8/2/2019
3196	SLICE-BASED OPERATION IN WIRELESS NETWORKS WITH END-TO-END NETWORK SLICING	181142114	1255082	HK	11/7/2018	8/2/2019
3197	DISTINGUISHING SUBFRAMES IN A DOWNLINK TRANSMISSION BURST	181142150	1255085	HK	11/7/2018	8/2/2019
3198	LISTEN BEFORE TALK FOR DISCOVERY REFERENCE SIGNAL TRANSMISSION IN UNLICENSED SPECTRUM	181142221	1255137	HK	11/7/2018	8/9/2019
3199	SYNCHRONIZATION SIGNALS FOR LICENSE ASSISTED ACCESS	181142249	1255139	HK	11/7/2018	8/9/2019
3200	APPARATUSES FOR EVOLVED NODE BS CONFIGURED TO COMMUNICATE USING ROBUST PUNCTURING-BASED MULTIPLEXING	181151899	1256112	HK	11/27/2018	9/13/2019
3201	MASTER INFORMATION BLOCK AND SYSTEM INFORMATION BLOCK TRANSMISSIONS IN UNLICENSED SPECTRUM	181156359	1256561	HK	12/6/2018	9/27/2019
3202	SPECTRUM SHARING BASED ON SELF-ORGANIZING NETWORKS	181156395	1256564	HK	12/6/2018	9/27/2019
3203	DOWNLINK DATA HANDLING FOR IDLE MODE UE WHEN THE SGW IS SPLIT INTO CONTROL PLANE NODE AND USER PLANE NODE	181156402	1256565	HK	12/6/2018	9/27/2019
3204	SYNCHRONIZATION SIGNAL DESIGN FOR NARROWBAND INTERNET OF THINGS COMMUNICATIONS	181156420	1256567	HK	12/6/2018	9/27/2019
3205	ATTENTION (AT) COMMANDS FOR PACKET DATA NETWORK CONNECTION OFFLOAD	181164037	1257147	HK	12/21/2018	10/11/2019
3206	ENCODING AND DECODING USING LOW-DENSITY PARITY-CHECK MATRICES	191006332		HK	1/15/2019	
3207	TECHNIQUES FOR INSTANTIATION AND TERMINATION OF VIRTUALIZED NETWORK FUNCTIONS	191006341		HK	1/15/2019	
3208	NETWORK SLICE SELECTION IN NETWORK SYSTEMS	191006430		HK	1/15/2019	
3209	EMERGENCY CALL HANDLING	191006449		HK	1/15/2019	
3210	DEVICES AND METHODS FOR PROVIDING 5G UPLINK REQUEST	191006476		HK	1/15/2019	
3211	PHYSICAL DOWNLINK SHARED CHANNEL TRANSMISSION WITH SHORT TRANSMISSION TIME INTERVAL	191006500		HK	1/15/2019	
3212	LISTEN-BEFORE-TALK (LBT) FAILURE DURING A RANDOM ACCESS PROCEDURE	191006537		HK	1/15/2019	
3213	APPARATUS SYSTEM AND METHOD OF VEHICULAR USER EQUIPMENT (UE) COMMUNICATION	191006582		HK	1/15/2019	

SCHEDULE A

No.	TITLE	Filing Number	Publication Number	Jurisdiction	Filing Date	Publication Date
3214	SOUNDING REFERENCE SIGNAL IN CELLULAR SYSTEMS	191006591		HK	1/15/2019	
3215	FIFTH GENERATION (5G) UPLINK CONTROL INFORMATION (xUCI) REPORT	191006608		HK	1/15/2019	
3216	FLEXIBLE FRAME STRUCTURE SIGNALING FOR RADIO ACCESS NETWORKS OPERATING IN THE UNLICENSED SPECTRUM	191006617		HK	1/15/2019	
3217	LINK-AWARE STREAMING ADAPTATION	191006644		HK	1/15/2019	
3218	SIGNALING EXTENDED EARFCN AND E-UTRA BANDS IN UMTS NETWORKS	191007037		HK	1/16/2019	
3219	QUALITY OF EXPERIENCE AWARE MULTIMEDIA ADAPTIVE STREAMING	191007046		HK	1/16/2019	
3220	SELF-CONTAINED TDD FRAME STRUCTURE AND DL-UL CONFIGURATION IN 5G SYSTEM	191007126		HK	1/16/2019	
3221	TRANSMISSION DETECTION OF NON-SCHEDULED UPLINK TRANSMISSIONS	191007260		HK	1/16/2019	
3222	UCI CHANNEL CODING ON XPUCCH	191007279		HK	1/16/2019	
3223	POWER CONTROL FOR LINKS IN BEAMFORMING SYSTEMS	191007297		HK	1/16/2019	
3224	DYNAMIC CONFIGURATION OF UPLINK (UL) AND DOWNLINK (DL) FRAME RESOURCES FOR A TIME DIVISION DUPLEX (TDD) TRANSMISSION	191007304		HK	1/16/2019	
3225	PAGING REPETITION FOR INCREASED ROBUSTNESS FOR EXTENDED PAGING CYCLES	191007322		HK	1/16/2019	
3226	SYSTEMS AND METHODS FOR REDUCING INTERRUPTIONS IN DATA TRANSMISSIONS DUE TO HANDOVER OPERATIONS	191007368		HK	1/16/2019	
3227	METHOD APPARATUS AND SYSTEM FOR TRANSMISSION ACKNOWLEDGEMENT CONTROL IN A WIRELESS NETWORK	191007439		HK	1/16/2019	
3228	INFORMATIONALLY EFFICIENT ERROR CORRECTION CODING	191193127		HK	2/8/2019	
3229	APPARATUS AND METHOD FOR IOT CONTROL CHANNEL	191193135		HK	2/8/2019	
3230	EVOLVED NODE-B (ENB) USER EQUIPMENT (UE) AND METHODS FOR COMMUNICATION OF A CHANNEL RASTER FREQUENCY OFFSET	191193143		HK	2/8/2019	
3231	PBCH TRANSMISSION INSIDE AND OUTSIDE OF DISCOVERY REFERENCE SIGNAL TRANSMISSION WINDOW TO UES OPERATING IN UNLICENSED FREQUENCY BANDS	191199793		HK	2/25/2019	
3232	REFERENCE SIGNALS AND PHYSICAL BROADCAST CHANNEL FOR 5G SYSTEMS	191203454		HK	3/4/2019	

SCHEDULE A

No.	TITLE	Filing Number	Publication Number	Jurisdiction	Filing Date	Publication Date
3233	PHYSICAL LAYER PROTOCOL AND SELF-CONTAINED SUBFRAME STRUCTURE FOR 5G/LTE COMPLIANT WEARABLE USER EQUIPMENT DEVICES	191209535		HK	3/14/2019	
3234	CODE DIVISION MULTIPLEXING OF UPLINK CONTROL INFORMATION	191217116		HK	4/1/2019	
3235	TRANSMISSION SCHEME AND INTER-CELL INTERFERENCE MITIGATION FOR FIFTH GENERATION (5G) SYSTEM INFORMATION BLOCK (xSIB)	191217124		HK	4/1/2019	
3236	SYSTEM AND METHOD FOR UPLINK SUBBAND BEAMFORMING	191217157		HK	4/1/2019	
3237	UPLINK DM-RS TRANSMISSION FOR PUSCH TRANSMISSIONS WITH SHORTENED TTI	191221613		HK	4/11/2019	
3238	MULTIPLEXING UPLINK CONTROL INFORMATION AND DATA ON PHYSICAL UPLINK SHARED CHANNEL	191221662		HK	4/11/2019	
3239	PHASE COMPENSATION REFERENCE SIGNAL FOR 5G SYSTEMS	191221696		HK	4/11/2019	
3240	HYBRID OPEN-LOOP AND CLOSED-LOOP BEAMFORMING	191221712		HK	4/11/2019	
3241	ENHANCED REPORTING AND UPLINK ROBUSTNESS DESIGN	191224047		HK	4/16/2019	
3242	LOW LATENCY PRACH DESIGN IN UNLICENSED SPECTRUM	191224088		HK	4/16/2019	
3243	SYSTEMS METHODS AND DEVICES FOR TRANSMISSION OF NETWORK INFORMATION IN THE PHYSICAL BROADCAST CHANNEL (PBCH)	191224096		HK	4/16/2019	
3244	CO-EXISTENCE OF GRANTLESS UPLINK AND SCHEDULED TRANSMISSIONS	191224104		HK	4/16/2019	
3245	SYSTEMS METHODS AND DEVICES FOR OPTIMIZED UPLINK GRANT TRANSMISSION TO ENABLE MULTI-SUBFRAME SCHEDULING	191224252		HK	4/16/2019	
3246	PAGING DESIGN FOR STAND-ALONE BEAMFORMED SYSTEM	191224286		HK	4/16/2019	
3247	USER EQUIPMENT (UE) SUPPORT MODE AND ID SUPPORT	191224815		HK	4/17/2019	
3248	EXTENDED SYNCHRONIZATION SIGNAL FOR SYMBOL INDEX	191224864		HK	4/17/2019	
3249	COMMUNICATION OF SECURITY KEY INFORMATION	191229855		HK	4/26/2019	
3250	IMPROVED SIGNALING FOR BATTERY EFFICIENT STATE TRANSITION IN PCH STATES	191234293		HK	5/8/2019	
3251	CQI REPORTING FOR FLEXIBLE TRANSMISSION MODE SWITCHING	191243666		HK		
3252	INCREASE OF SPECTRAL CAPACITY OF EMBMS-CELL WHEN DEPLOYED AS A SUPPLEMENTARY DOWNLINK CARRIER	191256585		HK	6/21/2019	

SCHEDULE A

No.	TITLE	Filing Number	Publication Number	Jurisdiction	Filing Date	Publication Date
3253	SYSTEMS METHODS AND DEVICES FOR NON-ADAPTIVE RETRANSMISSION USING SEMI-PERSISTENT SCHEDULING RESOURCES	191256601		HK	6/21/2019	
3254	APPARATUS AND METHOD FOR CONTROL SIGNALING OF CSI-RS	191265834		HK		
3255	DEVICE AND METHOD FOR NFV LIFE CYCLE MANAGEMENT	191265842		HK		
3256	MOBILITY MANAGEMENT ENTITY USER EQUIPMENT AND METHODS FOR MACHINE TYPE COMMUNICATION	191268648		HK	7/16/2019	
3257	DYNAMICAL TIME DIVISION DUPLEX UPLINK AND DOWNLINK CONFIGURATION IN A COMMUNICATIONS NETWORK	191268671		HK	7/16/2019	
3258	ENHANCED PHYSICAL RANDOM-ACCESS CHANNEL TRANSMISSION IN NEW RADIO STANDARD	191273846		HK	7/29/2019	
3259	DOWNLINK CONTROL INFORMATION (DCI) CONFIGURATION	191273853		HK		
3260	APPARATUSES FOR COMBINING AND DECODING ENCODED BLOCKS			HK		
3261	SYSTEM AND METHOD FOR PHYSICAL UPLINK REQUEST CHANNEL DESIGN			HK		
3262	SIGNALING EXTENDED EARFCN AND E-UTRA BANDS IN UMTS NETWORKS			HK		
3263	MECHANISMS FOR SINGLE FREQUENCY NETWORKS IN HIGH-SPEED MOBILE SCENARIOS			HK		
3264	MULTI-SUBFRAME UPLINK SCHEDULING IN UNLICENSED SPECTRUM			HK		
3265	NETWORK FUNCTION VIRTUALIZATION			HK		
3266	TRACKING USER EQUIPMENT AT RADIO ACCESS NETWORK LEVEL			HK		
3267	MECHANISMS FOR AVOIDANCE OF EXPLICIT QUALITY OF SERVICE SIGNALING OVER THE RADIO INTERFACE			HK		
3268	CONTEXT-RETENTION CONTROLLER AND METHOD FOR CONTEXT RETENTION IN WIRELESS ACCESS NETWORKS	128463478	2774432	HU		9/10/2014
3269	A METHOD AND SYSTEM FOR THE MANAGEMENT OF CELL INTERFERENCE IN A WIRELESS COMMUNICATION NETWORK	138705876	2944135	HU	6/10/2015	11/18/2015
3270	IMPROVED TECHNIQUES FOR USER PLANE CONGESTION MITIGATION	138710751	2944115	HU		11/18/2015
3271	CONTENT URL AUTHENTICATION FOR DASH	138719356	2946583	HU		11/25/2015
3272	APPARATUS SYSTEM AND METHOD OF COMMUNICATING NON-CELLULAR ACCESS NETWORK INFORMATION OVER A CELLULAR NETWORK	138721980	2946607	HU		11/25/2015

SCHEDULE A

No.	TITLE	Filing Number	Publication Number	Jurisdiction	Filing Date	Publication Date
3273	NETWORK ASSISTED DEVICE TO DEVICE DISCOVERY	138753611	2959734	HU		12/30/2015
3274	UE BASED D2D DISCOVERY	138757950	2959735	HU		12/30/2015
3275	USER EQUIPMENT WITH REDUCED POWER CONSUMPTION OPERATIONAL MODES	138760301	2959729	HU		12/30/2015
3276	MULTICAST-BASED GROUP COMMUNICATIONS IN AD HOC ARRANGEMENTS OF WIRELESS DEVICES	138763842	2962521	HU		1/6/2016
3277	QUALITY-AWARE RATE ADAPTATION TECHNIQUES FOR DASH STREAMING	138805379	2979414	HU		2/3/2016
3278	EXTENDED PAGING DISCONTINUOUS RECEPTION (DRX) CYCLES IN WIRELESS COMMUNICATION NETWORKS	138806229	2979504	HU		2/3/2016
3279	CONTROL OF WLAN SELECTION POLICIES IN ROAMING SCENARIOS	138806237	2979499	HU	8/27/2015	2/3/2016
3280	RADIO LINK MONITORING FOR EPDCCH	138808100	2982154	HU		2/10/2016
3281	SMALL DATA COMMUNICATIONS	138840335	2995019	HU		3/16/2016
3282	MULTIPLE RADIO LINK CONTROL (RLC) GROUPS	138845284	2997670	HU		3/23/2016
3283	LINK-AWARE STREAMING ADAPTATION	147566350	2962435	HU		1/6/2016
3284	RADIO ACCESS TECHNOLOGY SELECTION IN A HETEROGENEOUS NETWORK	147571194	2962497	HU		1/6/2016
3285	TECHNIQUES FOR WIRELESS NETWORK DISCOVERY AND SELECTION SUPPORT	147725709	2979497	HU		2/3/2016
3286	QUALITY OF EXPERIENCE AWARE MULTIMEDIA ADAPTIVE STREAMING	147742142	2979427	HU	8/24/2015	2/3/2016
3287	PROVISIONING OF APPLICATION CATEGORIES AT A USER EQUIPMENT DURING NETWORK CONGESTION	147760011	2979495	HU		2/3/2016
3288	NETWORK ASSISTED INTERFERENCE CANCELLATION AND SUPPRESSION WITH RESPECT TO INTERFERING CONTROL CHANNEL TRANSMISSIONS	147763288	2979413	HU		2/3/2016
3289	AN APPARATUS AND METHOD FOR CONGESTION CONTROL IN WIRELESS COMMUNICATION NETWORKS	147879878	2989829	HU		3/2/2016
3290	THROUGHPUT CHARACTERIZATION	147949820	2995022	HU	10/16/2015	3/16/2016
3291	USER EQUIPMENT AND METHODS FOR CODEBOOK SUBSAMPLING FOR ENHANCED 4TX CODEBOOKS	148044126	3005636	HU		4/13/2016
3292	APPARATUS SYSTEM AND METHOD OF SELECTIVELY PROVIDING INTERNET PROTOCOL (IP) SESSION CONTINUITY	148291107	3025533	HU		6/1/2016
3293	DOWNTILT SELECTION IN A FULL DIMENSIONAL MULTIPLE-INPUT MULTIPLE-OUTPUT SYSTEM	148291487	3025435	HU		6/1/2016
3294	COOPERATIVE MULTIPLE BEAM TRANSMISSION	148337041	3031145	HU		6/15/2016

SCHEDULE A

No.	TITLE	Filing Number	Publication Number	Jurisdiction	Filing Date	Publication Date
3295	SIGNALING RADIO BEARER OPTIMIZATIONS AND OTHER TECHNIQUES FOR SUPPORTING SMALL DATA TRANSMISSIONS	148341522	3031284	HU		6/15/2016
3296	METHOD APPARATUS AND SYSTEM FOR ELECTRICAL DOWNTILT ADJUSTMENT IN A MULTIPLE INPUT MULTIPLE OUTPUT SYSTEM	148347701	3031146	HU		6/15/2016
3297	METHOD AND SYSTEM OF ADVANCED INTERFERENCE CANCELLATION ON PDSCH AT THE UE	148347768	3031152	HU		6/15/2016
3298	SIGNALING FOR PROXIMITY SERVICES AND D2D DISCOVERY IN AN LTE NETWORK	148350218	3031272	HU		6/15/2016
3299	NETWORK MANAGEMENT	148354210	3031295	HU		6/15/2016
3300	TECHNIQUES AND CONFIGURATIONS ASSOCIATED WITH MACHINE TYPE COMMUNICATION IN ENHANCED COVERAGE MODE	148451743	3047579	HU		7/27/2016
3301	CONGESTION MEASUREMENT AND REPORTING FOR REAL-TIME DELAY-SENSITIVE APPLICATIONS	148454549	3047672	HU		7/27/2016
3302	CONGESTION CONTROL FOR SHORT MESSAGE SERVICE IN 3RD GENERATION PARTNERSHIP PROJECT (3GPP) SYSTEMS	148462658	3047674	HU		7/27/2016
3303	USER EQUIPMENT AND METHODS FOR FAST HANDOVER FAILURE RECOVERY IN 3GPP LTE NETWORK	148465529	3047679	HU		7/27/2016
3304	GENERATION OF RANDOM ACCESS PREAMBLES	148466865	3047600	HU		7/27/2016
3305	SYSTEMS METHODS AND DEVICES WITH DIFFERENT RADIO LINK FAILURE TIMERS BASED ON USER EQUIPMENT SPEED	148478043	3064027	HU		9/7/2016
3306	SYSTEMS METHODS AND DEVICES FOR TRAFFIC OFFLOADING	148482250	3050349	HU		8/3/2016
3307	REDUCTION OF PACKET RETRANSMISSIONS IN DUAL CONNECTIVITY SYSTEMS	148483605	3050352	HU		8/3/2016
3308	SIGNALING EXTENDED EARFCN AND E-UTRA BANDS IN UMTS NETWORKS	148569197	3064012	HU		9/7/2016
3309	SYSTEMS METHODS AND DEVICES FOR EFFICIENT DEVICE-TO-DEVICE CHANNEL CONTENTION	148581481	3064016	HU		9/7/2016
3310	RESOURCE SELECTION IN DEVICE TO DEVICE COMMUNICATION	148583065	3064007	HU		9/7/2016
3311	USER EQUIPMENT AND EVOLVED NODE-B AND METHODS FOR OPERATION IN A COVERAGE ENHANCEMENT MODE	148588601	3063883	HU		9/7/2016
3312	USER EQUIPMENT AND METHODS OF BEARER OPERATION FOR CARRIER AGGREGATION	148591456	3063982	HU		9/7/2016

SCHEDULE A

No.	TITLE	Filing Number	Publication Number	Jurisdiction	Filing Date	Publication Date
3313	METHOD AND EVOLVED NODE-B FOR GEOGRAPHIC BIN DATA COLLECTION AND REPORTING	148773344	3092842	HU		11/16/2016
3314	APPARATUS SYSTEM AND METHOD OF PROVIDING OFFLOADABILITY INFORMATION TO A USER-EQUIPMENT (UE)	157331240	3092845	HU		11/16/2016
3315	SYSTEMS AND METHODS FOR MODULATION AND CODING SCHEME SELECTION AND CONFIGURATION	157332461	3092761	HU		11/16/2016
3316	DISCONTINUOUS RECEPTION (DRX) ALIGNMENT TECHNIQUES FOR DUAL-CONNECTIVITY ARCHITECTURES	157333139	3092854	HU		11/16/2016
3317	DOWNLINK CONTROL INFORMATION (DCI) DESIGN FOR LTE DEVICES	157483660	3202073	HU		8/9/2017
3318	SCHEDULING FOR AN UNLICENSED CARRIER TYPE	157524422	3111569	HU		1/4/2017
3319	CIRCUIT SWITCHED FALLBACK	157525577	3111699	HU		1/4/2017
3320	USER EQUIPMENT COMPUTER READABLE MEDIUM AND METHOD TO DETERMINE THE MOBILITY OF USER EQUIPMENT IN A LONG-TERM EVOLUTION NETWORK	157527573	3111692	HU		1/4/2017
3321	SYSTEMS METHODS AND DEVICES FOR DEVICE-TO-DEVICE COMMUNICATION MODE SELECTION	157616236	3117673	HU		1/18/2017
3322	SYSTEMS METHODS AND DEVICES FOR DEVICE-TO-DEVICE DISCOVERY AND COMMUNICATION	157619610	3117543	HU		1/18/2017
3323	SMOOTH UE TRANSFER WITHIN AN EVOLVED PACKET CORE	157628652	3198941	HU		8/2/2017
3324	METHODS SYSTEMS AND DEVICES FOR MODULATION AND CODING SCHEME SIGNALING FOR COMMON CONTROL CHANNEL	157652991	3120477	HU		1/25/2017
3325	SYSTEMS METHODS AND DEVICES FOR RADIO ACCESS TECHNOLOGY COORDINATION	157714718	3262887	HU		1/3/2018
3326	USER EQUIPMENT AND METHODS FOR HANDOVER INITIATION	157822800	3135058	HU		3/1/2017
3327	USER EQUIPMENT AND METHODS FOR MEASUREMENT OF REFERENCE SIGNAL RECEIVED QUALITY	157853805	3138316	HU		3/8/2017
3328	SYSTEMS METHODS AND DEVICES FOR DIRECT DEVICE TO DEVICE COMMUNICATION USING ENCAPSULATION	157910936	3248437	HU		11/29/2017
3329	DEVICES AND METHOD FOR RETRIEVING AND UTILIZING NEIGHBORING WLAN INFORMATION FOR LTE LAA OPERATION	158028233	3149993	HU		4/5/2017
3330	MEASUREMENT GAP ENHANCEMENT TO REDUCE MEASUREMENT DELAY	158288969	3295704	HU		3/21/2018
3331	VIRTUALIZED NETWORK FUNCTION MANAGEMENT	158304634	3178199	HU		6/14/2017

SCHEDULE A

No.	TITLE	Filing Number	Publication Number	Jurisdiction	Filing Date	Publication Date
3332	NETWORK DISCOVERY AND BEAM ACQUISITION FOR BEAM CELLOPERATION	158346924	3329608	HU		6/6/2018
3333	INTERACTIVE ZOOMING IN VIDEO CONFERENCING	161688809	3094063	HU		11/16/2016
3334	TECHNIQUES FOR WIRELESS NETWORK DISCOVERY AND SELECTION SUPPORT	161690441	3086602	HU		10/26/2016
3335	DRX OPERATION FOR UL/DL RECONFIGURATION	161702980	3101824	HU		12/7/2016
3336	RADIO RESOURCE MANAGEMENT (RRM) REPORTING FOR LICENSED ASSISTED ACCESS (LAA)	167060672	3251402	HU		12/6/2017
3337	DETERMINATION OF NUMBER OF PHYSICAL UPLINK CONTROL CHANNEL REPETITIONS FOR MACHINE TYPE COMMUNICATIONS	167167592	3353935	HU		8/1/2018
3338	SIGNALING FOR PROXIMITY SERVICES AND D2D DISCOVERY IN AN LTE NETWORK	171654403	3209039	HU		8/23/2017
3339	COVERAGE EXTENSION LEVEL FOR COVERAGE LIMITED DEVICE	171705387	3229517	HU		10/11/2017
3340	UE BASED D2D DISCOVERY	172007726	3300398	HU		3/28/2018
3341	APPARATUS SYSTEM AND METHOD OF CELLULAR NETWORK COMMUNICATIONS CORRESPONDING TO A NON-CELLULAR NETWORK			HU		
3342	CONTROL OF TRAFFIC FROM APPLICATIONS WHEN THIRD PARTY SERVERS ENCOUNTER PROBLEMS			HU		
3343	SYSTEMS AND METHODS FOR MODULATION AND CODING SCHEME SELECTION AND CONFIGURATION	P00201603756	2017/06695	ID	6/3/2016	6/22/2017
3344	APPARATUS SYSTEM AND METHOD OF PROVIDING OFFLOADABILITY INFORMATION TO A USER-EQUIPMENT (UE)	P00201604316	2017/06955	ID	6/27/2016	7/7/2017
3345	DEVICE SYSTEM AND METHOD OF CONFIGURING A RADIO TRANSCEIVER	P00201604760		ID	7/20/2016	
3346	ENHANCED NODE B UE AND METHOD FOR SELECTING CELL DISCOVERY SIGNALS IN LTE NETWORKS	P00201605278	2017/07245	ID	8/10/2016	7/14/2017
3347	SYSTEMS METHODS AND DEVICES FOR DEVICE-TO-DEVICE COMMUNICATION MODE SELECTION	P00201605279	2017/07312	ID	8/10/2016	7/14/2017
3348	SYSTEMS METHODS AND DEVICES FOR DEVICE-TO-DEVICE DISCOVERY AND COMMUNICATION	P00201605280	2017/07333	ID	8/10/2016	7/14/2017
3349	APPARATUSES SYSTEMS AND METHODS FOR MEASURING QUALITY OF CELL DISCOVERY SIGNAL	P00201605316	2017/06016	ID	8/12/2016	6/9/2017
3350	SYSTEMS DEVICES AND METHODS FOR INTERWORKING BETWEEN A UNIVERSAL MOBILE TELECOMMUNICATIONS SYSTEM (UMTS) NETWORK AND A WIRELESS	P00201605411	2017/06191	ID	8/16/2016	6/9/2017

SCHEDULE A

No.	TITLE	Filing Number	Publication Number	Jurisdiction	Filing Date	Publication Date
	LOCAL AREA NETWORK (WLAN)					
3351	APPARATUS AND METHODS FOR REDUCING SOFT BUFFER SIZE IN MTC DEVICES	P00201605463		ID	8/19/2016	
3352	TECHNIQUES FOR COORDINATED APPLICATION OF WIRELESS NETWORK SELECTION AND TRAFFIC ROUTING RULES	P00201605464		ID	8/19/2016	
3353	REFERENCE SIGNAL ENHANCEMENT FOR SHARED CELL	P00201605471	2017/06212	ID	8/19/2016	6/9/2017
3354	APPARATUS SYSTEM AND METHOD OF SECURING COMMUNICATIONS OF A USER EQUIPMENT (UE) IN A WIRELESS LOCAL AREA NETWORK	P00201605549	2017/07126	ID	8/23/2016	7/7/2017
3355	SOLUTION TO SKIP AUTHENTICATION PROCEDURE DURING CIRCUIT SWITCHED FALLBACK (CSFB) TO SHORTEN THE CALL SETUP TIME	P00201605603		ID	8/24/2016	
3356	CHANNEL ACCESS PRIORITY FOR DISTRIBUTED D2D	P00201606445	2017/07389	ID	9/26/2016	7/14/2017
3357	SYSTEM AND METHOD TO MEASURE AN ERROR RATE OF A WIRELESS LOCAL AREA NETWORK	P00201606507		ID	9/28/2016	
3358	SYSTEMS METHODS AND DEVICES FOR SYNCHRONIZATION SOURCE SELECTION FOR DEVICE-TO-DEVICE COMMUNICATION	P00201606778	2017/07828	ID	10/7/2016	7/28/2017
3359	PRIORITIZED CELL IDENTIFICATION AND MEASUREMENT METHOD	P00201606782	2017/07833	ID	10/7/2016	7/28/2017
3360	SYSTEMS DEVICES AND METHODS FOR LONG TERM EVOLUTION AND WIRELESS LOCAL AREA INTERWORKING	P00201606784		ID	10/7/2016	
3361	COMMUNICATION SYSTEMS AND METHODS	P00201607391	2017/08207	ID	11/1/2016	8/4/2017
3362	REFERENCE SIGNAL ENHANCEMENT FOR SHARED CELL	P00201700588	2017/13170	ID	1/26/2017	12/8/2017
3363	METHODS AND APPARATUSES FOR FLEXIBLE MOBILE STEERING IN CELLULAR NETWORKS	P00201701701	2017/13647	ID	3/17/2017	12/15/2017
3364	CONTEXT-RETENTION CONTROLLER AND METHOD FOR CONTEXT RETENTION IN WIRELESS ACCESS NETWORKS	128463478	2774432	IE	4/15/2014	9/10/2014
3365	A METHOD AND SYSTEM FOR THE MANAGEMENT OF CELL INTERFERENCE IN A WIRELESS COMMUNICATION NETWORK	138705876	2944135	IE	6/10/2015	11/18/2015
3366	CONTENT URL AUTHENTICATION FOR DASH	138719356	2946583	IE		11/25/2015

SCHEDULE A

No.	TITLE	Filing Number	Publication Number	Jurisdiction	Filing Date	Publication Date
3367	APPARATUS SYSTEM AND METHOD OF COMMUNICATING NON-CELLULAR ACCESS NETWORK INFORMATION OVER A CELLULAR NETWORK	138721980	2946607	IE		11/25/2015
3368	NETWORK ASSISTED DEVICE TO DEVICE DISCOVERY	138753611	2959734	IE		12/30/2015
3369	UE BASED D2D DISCOVERY	138757950	2959735	IE		12/30/2015
3370	USER EQUIPMENT WITH REDUCED POWER CONSUMPTION OPERATIONAL MODES	138760301	2959729	IE		12/30/2015
3371	MULTICAST-BASED GROUP COMMUNICATIONS IN AD HOC ARRANGEMENTS OF WIRELESS DEVICES	138763842	2962521	IE		1/6/2016
3372	QUALITY-AWARE RATE ADAPTATION TECHNIQUES FOR DASH STREAMING	138805379	2979414	IE		2/3/2016
3373	EXTENDED PAGING DISCONTINUOUS RECEPTION (DRX) CYCLES IN WIRELESS COMMUNICATION NETWORKS	138806229	2979504	IE		2/3/2016
3374	CONTROL OF WLAN SELECTION POLICIES IN ROAMING SCENARIOS	138806237	2979499	IE	8/27/2015	2/3/2016
3375	RADIO LINK MONITORING FOR EPDCCH	138808100	2982154	IE		2/10/2016
3376	SMALL DATA COMMUNICATIONS	138840335	2995019	IE		3/16/2016
3377	MULTIPLE RADIO LINK CONTROL (RLC) GROUPS	138845284	2997670	IE		3/23/2016
3378	LINK-AWARE STREAMING ADAPTATION	147566350	2962435	IE		1/6/2016
3379	RADIO ACCESS TECHNOLOGY SELECTION IN A HETEROGENEOUS NETWORK	147571194	2962497	IE		1/6/2016
3380	TECHNIQUES FOR WIRELESS NETWORK DISCOVERY AND SELECTION SUPPORT	147725709	2979497	IE		2/3/2016
3381	QUALITY OF EXPERIENCE AWARE MULTIMEDIA ADAPTIVE STREAMING	147742142	2979427	IE	8/24/2015	2/3/2016
3382	PROVISIONING OF APPLICATION CATEGORIES AT A USER EQUIPMENT DURING NETWORK CONGESTION	147760011	2979495	IE		2/3/2016
3383	NETWORK ASSISTED INTERFERENCE CANCELLATION AND SUPPRESSION WITH RESPECT TO INTERFERING CONTROL CHANNEL TRANSMISSIONS	147763288	2979413	IE		2/3/2016
3384	AN APPARATUS AND METHOD FOR CONGESTION CONTROL IN WIRELESS COMMUNICATION NETWORKS	147879878	2989829	IE		3/2/2016
3385	THROUGHPUT CHARACTERIZATION	147949820	2995022	IE	10/16/2015	3/16/2016
3386	USER EQUIPMENT AND METHODS FOR CODEBOOK SUBSAMPLING FOR ENHANCED 4TX CODEBOOKS	148044126	3005636	IE		4/13/2016
3387	APPARATUS SYSTEM AND METHOD OF SELECTIVELY PROVIDING INTERNET PROTOCOL (IP) SESSION CONTINUITY	148291107	3025533	IE		6/1/2016
3388	DOWNTILT SELECTION IN A FULL DIMENSIONAL MULTIPLE-INPUT MULTIPLE-OUTPUT SYSTEM	148291487	3025435	IE		6/1/2016

SCHEDULE A

No.	TITLE	Filing Number	Publication Number	Jurisdiction	Filing Date	Publication Date
3389	COOPERATIVE MULTIPLE BEAM TRANSMISSION	148337041	3031145	IE		6/15/2016
3390	SIGNALING RADIO BEARER OPTIMIZATIONS AND OTHER TECHNIQUES FOR SUPPORTING SMALL DATA TRANSMISSIONS	148341522	3031284	IE		6/15/2016
3391	METHOD APPARATUS AND SYSTEM FOR ELECTRICAL DOWNTILT ADJUSTMENT IN A MULTIPLE INPUT MULTIPLE OUTPUT SYSTEM	148347701	3031146	IE		6/15/2016
3392	METHOD AND SYSTEM OF ADVANCED INTERFERENCE CANCELLATION ON PDSCH AT THE UE	148347768	3031152	IE		6/15/2016
3393	SIGNALING FOR PROXIMITY SERVICES AND D2D DISCOVERY IN AN LTE NETWORK	148350218	3031272	IE		6/15/2016
3394	NETWORK MANAGEMENT	148354210	3031295	IE		6/15/2016
3395	TECHNIQUES AND CONFIGURATIONS ASSOCIATED WITH MACHINE TYPE COMMUNICATION IN ENHANCED COVERAGE MODE	148451743	3047579	IE		7/27/2016
3396	CONGESTION MEASUREMENT AND REPORTING FOR REAL-TIME DELAY-SENSITIVE APPLICATIONS	148454549	3047672	IE		7/27/2016
3397	CONGESTION CONTROL FOR SHORT MESSAGE SERVICE IN 3RD GENERATION PARTNERSHIP PROJECT (3GPP) SYSTEMS	148462658	3047674	IE		7/27/2016
3398	USER EQUIPMENT AND METHODS FOR FAST HANDOVER FAILURE RECOVERY IN 3GPP LTE NETWORK	148465529	3047679	IE		7/27/2016
3399	GENERATION OF RANDOM ACCESS PREAMBLES	148466865	3047600	IE		7/27/2016
3400	SYSTEMS METHODS AND DEVICES WITH DIFFERENT RADIO LINK FAILURE TIMERS BASED ON USER EQUIPMENT SPEED	148478043	3064027	IE		9/7/2016
3401	SYSTEMS METHODS AND DEVICES FOR TRAFFIC OFFLOADING	148482250	3050349	IE		8/3/2016
3402	REDUCTION OF PACKET RETRANSMISSIONS IN DUAL CONNECTIVITY SYSTEMS	148483605	3050352	IE		8/3/2016
3403	SIGNALING EXTENDED EARFCN AND E-UTRA BANDS IN UMTS NETWORKS	148569197	3064012	IE		9/7/2016
3404	SYSTEMS METHODS AND DEVICES FOR EFFICIENT DEVICE-TO-DEVICE CHANNEL CONTENTION	148581481	3064016	IE		9/7/2016
3405	RESOURCE SELECTION IN DEVICE TO DEVICE COMMUNICATION	148583065	3064007	IE		9/7/2016
3406	USER EQUIPMENT AND EVOLVED NODE-B AND METHODS FOR OPERATION IN A COVERAGE ENHANCEMENT MODE	148588601	3063883	IE		9/7/2016
3407	USER EQUIPMENT AND METHODS OF BEARER OPERATION FOR CARRIER AGGREGATION	148591456	3063982	IE		9/7/2016

SCHEDULE A

No.	TITLE	Filing Number	Publication Number	Jurisdiction	Filing Date	Publication Date
3408	METHOD AND EVOLVED NODE-B FOR GEOGRAPHIC BIN DATA COLLECTION AND REPORTING	148773344	3092842	IE		11/16/2016
3409	APPARATUS SYSTEM AND METHOD OF PROVIDING OFFLOADABILITY INFORMATION TO A USER-EQUIPMENT (UE)	157331240	3092845	IE		11/16/2016
3410	SYSTEMS AND METHODS FOR MODULATION AND CODING SCHEME SELECTION AND CONFIGURATION	157332461	3092761	IE		11/16/2016
3411	DISCONTINUOUS RECEPTION (DRX) ALIGNMENT TECHNIQUES FOR DUAL-CONNECTIVITY ARCHITECTURES	157333139	3092854	IE		11/16/2016
3412	DOWNLINK CONTROL INFORMATION (DCI) DESIGN FOR LTE DEVICES	157483660	3202073	IE		8/9/2017
3413	SCHEDULING FOR AN UNLICENSED CARRIER TYPE	157524422	3111569	IE		1/4/2017
3414	CIRCUIT SWITCHED FALLBACK	157525577	3111699	IE		1/4/2017
3415	USER EQUIPMENT COMPUTER READABLE MEDIUM AND METHOD TO DETERMINE THE MOBILITY OF USER EQUIPMENT IN A LONG-TERM EVOLUTION NETWORK	157527573	3111692	IE		1/4/2017
3416	SYSTEMS METHODS AND DEVICES FOR DEVICE-TO-DEVICE COMMUNICATION MODE SELECTION	157616236	3117673	IE		1/18/2017
3417	SYSTEMS METHODS AND DEVICES FOR DEVICE-TO-DEVICE DISCOVERY AND COMMUNICATION	157619610	3117543	IE		1/18/2017
3418	SMOOTH UE TRANSFER WITHIN AN EVOLVED PACKET CORE	157628652	3198941	IE		8/2/2017
3419	METHODS SYSTEMS AND DEVICES FOR MODULATION AND CODING SCHEME SIGNALING FOR COMMON CONTROL CHANNEL	157652991	3120477	IE		1/25/2017
3420	SYSTEMS METHODS AND DEVICES FOR RADIO ACCESS TECHNOLOGY COORDINATION	157714718	3262887	IE		1/3/2018
3421	USER EQUIPMENT AND METHODS FOR HANDOVER INITIATION	157822800	3135058	IE		3/1/2017
3422	USER EQUIPMENT AND METHODS FOR MEASUREMENT OF REFERENCE SIGNAL RECEIVED QUALITY	157853805	3138316	IE		3/8/2017
3423	SYSTEMS METHODS AND DEVICES FOR DIRECT DEVICE TO DEVICE COMMUNICATION USING ENCAPSULATION	157910936	3248437	IE		11/29/2017
3424	DEVICES AND METHOD FOR RETRIEVING AND UTILIZING NEIGHBORING WLAN INFORMATION FOR LTE LAA OPERATION	158028233	3149993	IE		4/5/2017
3425	MEASUREMENT GAP ENHANCEMENT TO REDUCE MEASUREMENT DELAY	158288969	3295704	IE		3/21/2018
3426	VIRTUALIZED NETWORK FUNCTION MANAGEMENT	158304634	3178199	IE		6/14/2017

SCHEDULE A

No.	TITLE	Filing Number	Publication Number	Jurisdiction	Filing Date	Publication Date
3427	NETWORK DISCOVERY AND BEAM ACQUISITION FOR BEAM CELLOPERATION	158346924	3329608	IE		6/6/2018
3428	INTERACTIVE ZOOMING IN VIDEO CONFERENCING	161688809	3094063	IE		11/16/2016
3429	TECHNIQUES FOR WIRELESS NETWORK DISCOVERY AND SELECTION SUPPORT	161690441	3086602	IE		10/26/2016
3430	DRX OPERATION FOR UL/DL RECONFIGURATION	161702980	3101824	IE		12/7/2016
3431	RADIO RESOURCE MANAGEMENT (RRM) REPORTING FOR LICENSED ASSISTED ACCESS (LAA)	167060672	3251402	IE		12/6/2017
3432	DETERMINATION OF NUMBER OF PHYSICAL UPLINK CONTROL CHANNEL REPETITIONS FOR MACHINE TYPE COMMUNICATIONS	167167592	3353935	IE		8/1/2018
3433	SIGNALING FOR PROXIMITY SERVICES AND D2D DISCOVERY IN AN LTE NETWORK	171654403	3209039	IE		8/23/2017
3434	COVERAGE EXTENSION LEVEL FOR COVERAGE LIMITED DEVICE	171705387	3229517	IE		10/11/2017
3435	UE BASED D2D DISCOVERY	172007726	3300398	IE		3/28/2018
3436	APPARATUS SYSTEM AND METHOD OF CELLULAR NETWORK COMMUNICATIONS CORRESPONDING TO A NON-CELLULAR NETWORK			IE		
3437	CONTROL OF TRAFFIC FROM APPLICATIONS WHEN THIRD PARTY SERVERS ENCOUNTER PROBLEMS			IE		
3438	MOBILE COMMUNICATIONS DEVICE AND METHOD USING SINGLE TRANSMISSION CHAIN	201631033508		IN		
3439	PROCESSING REQUESTS FOR MEASUREMENT OF SIGNAL QUALITY AT THE LOCATION OF A USER EQUIPMENT WITH MULTIPLE SIMS	201641033551		IN		
3440	MULTIPLEXING A RECEIVE CHAIN BETWEEN ENTITIES OF A DEVICE WHEN ERROR CORRECTING TECHNIQUE IS EMPLOYED BY AN ENTITY	201641037058		IN		
3441	COMMUNICATION OPERATIONS IN MULTI-SIM WIRELESS DEVICES	201641042578		IN		
3442	PROVIDING CONCURRENT CONNECTIONS TO A SUBSCRIBER USING A MOBILE DEVICE HAVING MULTIPLE TRANSCEIVERS	201641042589		IN		
3443	CAMPING IN THE CONTEXT OF DEVICE-TO-DEVICE COMMUNICATION CAPABILITY IN A WIRELESS DEVICE	201641042648		IN		
3444	METHOD FOR PERFORMING MOBILE COMMUNICATIONS AND MOBILE TERMINAL DEVICE	201644000288	201644000288	IN		11/10/2017
3445	TERMINAL DEVICE AND MOBILE RADIO COMMUNICATION BY TERMINAL DEVICE	201644000577	201644000577	IN		10/7/2016

SCHEDULE A

No.	TITLE	Filing Number	Publication Number	Jurisdiction	Filing Date	Publication Date
3446	METHOD AND DEVICE FOR PROTECTING A DATA TRANSPORT BLOCK AGAINST MEMORY ERRORS AND TRANSMISSION ERRORS	201644000904	201644000904	IN		11/10/2017
3447	ADJUSTING POWER AMPLIFIER STIMULI BASED ON OUTPUT SIGNALS	201644002685	201644002685	IN		11/10/2017
3448	PHASED ARRAY WEIGHTING FOR POWER EFFICIENCY IMPROVEMENT WITH HIGH PEAK-TO-AVERAGE POWER RATIO SIGNALS	201644002696	201644002696	IN		11/10/2017
3449	AVOIDING INTERFERENCE BETWEEN TWO DTCS DUE TO VCC RIPPLES BY INDEPENDENT DITHERING	201644002840	201644002840	IN		11/10/2017
3450	AN APPARATUS AND A METHOD FOR PROCESSING A SIGNAL DEPENDING ON A RECEIVED RADIO FREQUENCY SIGNAL	201644003847	201644003847	IN		10/7/2016
3451	A RECEIVER AND A METHOD FOR REDUCING A DISTORTION COMPONENT RELATED TO A BASEBAND TRANSMIT SIGNAL IN A BASEBAND RECEIVE SIGNAL	201644004190	201644004190	IN		11/10/2017
3452	A DIGITAL-TO-ANALOG CONVERTER CIRCUIT AN APPARATUS FOR PROVIDING A RADIO FREQUENCY TRANSMIT SIGNAL AND A METHOD OF DIGITAL-TO-ANALOG CONVERSION	201644004191	201644004191	IN		10/7/2016
3453	ANTENNA SYSTEM	201644004357	201644004357	IN		11/10/2017
3454	METHOD FOR PERFORMING MOBILE COMMUNICATIONS AND MOBILE RADIO COMMUNICATION TERMINAL DEVICE	201644004674	201644004674	IN		10/7/2016
3455	OPTIMIZING APPLICATIONS BEHAVIOR IN A DEVICE FOR POWER AND PERFORMANCE	201644005678	201644005678	IN		10/7/2016
3456	CIRCUIT INTEGRATED CIRCUIT RECEIVER TRANSCEIVER AND METHOD FOR RECEIVING A SIGNAL	201644009142	201644009142	IN		10/28/2016
3457	COMMUNICATION TERMINAL AND METHOD FOR ESTABLISHING A CSFB CALL	201644011835	201644011835	IN		11/11/2016
3458	METHOD FOR PROCESSING RADIO SIGNALS AND MOBILE TERMINAL DEVICE	201644015800	201644015800	IN		12/30/2016
3459	Architecture and Control of Analog Self-Interference Cancellation	201644015801	201644015801	IN		12/30/2016
3460	MOBILE TERMINAL DEVICES AND METHODS OF PERFORMING RADIO MEASUREMENTS	201644016041	201644016041	IN		12/30/2016
3461	DRX OPERATION FOR UL/DL RECONFIGURATION	201647002281		IN	1/21/2016	
3462	DELIVERY OF TARGETED MEDIA CONTENT	201647002283		IN	1/21/2016	
3463	HARQ TIMELINES FOR TDDFDD CARRIER AGGREGATION	201647002509		IN	1/22/2016	
3464	RESOURCE ALLOCATION FOR D2D DISCOVERY IN AN LTE NETWORK	201647004844		IN	2/11/2016	

SCHEDULE A

No.	TITLE	Filing Number	Publication Number	Jurisdiction	Filing Date	Publication Date
3465	AUTONOMOUS ENHANCED NODE B	201647017112		IN	5/18/2016	
3466	APPARATUS SYSTEM AND METHOD OF PROVIDING OFFLOADABILITY INFORMATION TO A USER-EQUIPMENT (UE)	201647017143		IN	5/18/2016	
3467	METHOD AND EVOLVED NODE-B FOR GEOGRAPHIC BIN DATA COLLECTION AND REPORTING	201647017146		IN	5/18/2016	
3468	SYSTEMS METHODS AND DEVICES TO SUPPORT A FAST TDD CONFIGURATION INDICATION	201647017723		IN	5/24/2016	
3469	APPARATUS SYSTEM AND METHOD OF ACCESS NETWORK DISCOVERY AND SELECTION FUNCTION (ANDSF) FOR TRAFFIC OFFLOADING	201647017728		IN	5/24/2016	
3470	SYSTEMS AND METHODS FOR MODULATION AND CODING SCHEME SELECTION AND CONFIGURATION	201647017729		IN	5/24/2016	
3471	SYSTEMS AND METHODS FOR MODULATION AND CODING SCHEME SELECTION AND CONFIGURATION	201647017917		IN	5/25/2016	
3472	DISCONTINUOUS RECEPTION (DRX) ALIGNMENT TECHNIQUES FOR DUALCONNECTIVITY ARCHITECTURES	201647017962		IN	5/25/2016	
3473	DEVICE SYSTEM AND METHOD OF CONFIGURING A RADIO TRANSCEIVER	201647024858		IN	7/20/2016	
3474	USER EQUIPMENT COMPUTER READABLE MEDIUM AND METHOD TO DETERMINE THE MOBILITY OF USER EQUIPMENT IN A LONG-TERM EVOLUTION NETWORK	201647024877		IN	7/20/2016	
3475	SCHEDULING FOR AN UNLICENSED CARRIER TYPE	201647024994		IN	7/21/2016	
3476	MEASUREMENT GAP PATTERNS	201647025169		IN	7/22/2016	
3477	CIRCUIT SWITCHED FALLBACK	201647025241		IN	7/22/2016	
3478	ACCESS POINT POSITION DETERMINATION BY MOBILE DEVICES CROWD SOURCING	201647025390		IN	7/25/2016	
3479	APPARATUS SYSTEM AND METHOD OF IDENTIFYING A WIRELESS DOCKING STATION	201647025415		IN	7/25/2016	
3480	SYSTEMS METHODS AND DEVICES FOR OPPORTUNISTIC NETWORKING	201647025815		IN	7/28/2016	
3481	SYSTEMS METHODS AND DEVICES FOR DEVICE-TO-DEVICE DISCOVERY AND COMMUNICATION	201647026245		IN	8/1/2016	
3482	METHOD AND APPARATUS TO ASSIST NETWORK TRAFFIC	201647026316		IN	8/2/2016	
3483	SYSTEMS METHODS AND DEVICES FOR DEVICE-TO-DEVICE COMMUNICATION MODE SELECTION	201647026353		IN	8/2/2016	
3484	APPARATUS SYSTEMS AND METHODS FOR MEASURING QUALITY OF CELL DISCOVERY SIGNAL	201647026654		IN	8/4/2016	

SCHEDULE A

No.	TITLE	Filing Number	Publication Number	Jurisdiction	Filing Date	Publication Date
3485	ENHANCED NODE B UE AND METHOD FOR SELECTING CELL DISCOVERY SIGNALS IN LTE NETWORKS	201647026753		IN	8/5/2016	
3486	METHODS SYSTEMS AND DEVICES FOR MODULATION AND CODING SCHEME SIGNALING FOR COMMON CONTROL CHANNEL	201647026848		IN	8/5/2016	
3487	REFERENCE SIGNAL ENHANCEMENT FOR SHARED CELL	201647027032		IN	8/8/2016	
3488	APPARATUS SYSTEM AND METHOD OF SECURING COMMUNICATIONS OF A USER EQUIPMENT (UE) IN A WIRELESS LOCAL AREA NETWORK	201647027346		IN	8/10/2016	
3489	APPARATUSES SYSTEMS AND METHODS FOR DIFFERENTIATION OF PAYLOAD SIZE FOR D2D DISCOVERY	201647027347		IN	8/10/2016	
3490	TECHNIQUES FOR COORDINATED APPLICATION OF WIRELESS NETWORK SELECTION AND TRAFFIC ROUTING RULES	201647027493	201647027493	IN	8/11/2016	9/30/2016
3491	SYSTEMS DEVICES AND METHODS FOR INTERWORKING BETWEEN A UNIVERSAL MOBILE TELECOMMUNICATIONS SYSTEM (UMTS) NETWORK AND A WIRELESS LOCAL AREA NETWORK (WLAN)	201647027496	201647027496	IN	8/11/2016	9/30/2016
3492	SYSTEMS METHODS AND DEVICES FOR DISTRIBUTED SETUP FOR A DEVICE-TO-DEVICE SESSION	201647027855	201647027855	IN	8/16/2016	10/7/2016
3493	APPARATUS AND METHODS FOR REDUCING SOFT BUFFER SIZE IN MTC DEVICES	201647027978		IN	8/17/2016	
3494	USER EQUIPMENT GENERATION AND SIGNALING OF FEEDBACK FOR SUPPORTING ADAPTIVE DEMODULATION REFERENCE SIGNAL TRANSMISSION	201647028512	201647028512	IN	8/22/2016	9/30/2016
3495	USER EQUIPMENT AND METHODS FOR HANDOVER INITIATION	201647028945	201647028945	IN	8/25/2016	9/30/2016
3496	LOAD BALANCING IN A WIRELESS CELLULAR NETWORK BASED ON USER EQUIPMENT MOBILITY	201647028946	201647028946	IN	8/25/2016	9/30/2016
3497	SOLUTION TO SKIP AUTHENTICATION PROCEDURE DURING CIRCUIT-SWITCHED FALLBACK (CSFB) TO SHORTEN CALL SETUP TIME	201647028948	201647028948	IN	8/25/2016	9/30/2016
3498	NON-ORTHOGONAL MULTIPLE ACCESS (NOMA) WIRELESS SYSTEMS AND METHODS	201647029073	201647029073	IN	8/26/2016	10/7/2016
3499	METHOD APPARATUS AND SYSTEM FOR MEASURING A POSITION OF A USER EQUIPMENT IN A WIRELESS NETWORK	201647029116	201647029116	IN	8/26/2016	10/7/2016
3500	LISTEN BEFORE TALK PROTOCOL SELECTION	201647029435	201647029435	IN	8/30/2016	10/7/2016
3501	CHANNEL RESERVATION FOR OPERATION IN AN UNLICENSED	201647029436	201647029436	IN	8/30/2016	10/7/2016

SCHEDULE A

No.	TITLE	Filing Number	Publication Number	Jurisdiction	Filing Date	Publication Date
	SPECTRUM					
3502	USER EQUIPMENT AND METHODS FOR HANDOVER USING MEASUREMENT REPORTING BASED ON MULTIPLE EVENTS	201647029459	201647029459	IN	8/30/2016	10/7/2016
3503	CHANNEL ACCESS PRIORITY FOR DISTRIBUTED D2D	201647029467	201647029467	IN	8/30/2016	10/7/2016
3504	SYSTEM AND METHOD TO MEASURE AN ERROR RATE OF A WIRELESS LOCAL AREA NETWORK	201647029658	201647029658	IN	8/31/2016	10/7/2016
3505	SIMULTANEOUS SCHEDULING REQUEST TRANSMISSION IN DUAL CONNECTIVITY	201647029727	201647029727	IN	8/31/2016	10/7/2016
3506	APPARATUS METHOD AND SYSTEM OF ESTABLISHING A CONNECTION BETWEEN A CELLULAR NODE AND A CORE NETWORK	201647029866	201647029866	IN	9/1/2016	10/7/2016
3507	USER EQUIPMENT AND METHODS FOR MEASUREMENT OF REFERENCE SIGNAL RECEIVED QUALITY	201647031464		IN	9/15/2016	
3508	SYSTEMS METHODS AND DEVICES FOR SYNCHRONIZATION SOURCE SELECTION FOR DEVICE-TO-DEVICE COMMUNICATION	201647033904	201647033904	IN	10/4/2016	6/2/2017
3509	LAWFUL INTERCEPT REPORTING IN WIRELESS NETWORKS USING PUBLIC SAFETY RELAYS	201647034055		IN	10/5/2016	
3510	MOBILITY MANAGEMENT ENTITY USER EQUIPMENT AND METHODS FOR MACHINE TYPE COMMUNICATION	201647034057		IN	10/5/2016	
3511	SYSTEMS DEVICES AND METHODS FOR ALIGNMENT PROCEDURES IN DUAL-CONNECTIVITY NETWORKS	201647034115		IN	10/5/2016	
3512	SYSTEMS METHODS AND DEVICES FOR PRIORITIZING INTER-FREQUENCY MEASUREMENTS	201647034262		IN	10/6/2016	
3513	SYSTEMS METHODS AND DEVICES FOR CONFIGURING MEASUREMENT GAPS FOR DUAL CONNECTIVITY	201647034273		IN	10/6/2016	
3514	PRIORITIZED CELL IDENTIFICATION AND MEASUREMENT METHOD	201647034438		IN	10/7/2016	
3515	TECHNIQUES TO MANAGE RADIO FREQUENCY CHAINS	201647034440		IN	10/7/2016	
3516	APPARATUS SYSTEM AND METHOD OF COMMUNICATING WIRELESS LOCAL AREA NETWORK (WLAN) OFFLOADING INFORMATION BETWEEN CELLULAR MANAGERS	201647034459		IN	10/7/2016	
3517	USER EQUIPMENT AND METHODS TO INDICATE POWER SAVING MODE CONFIGURATION TO RAN NODES	201647034464		IN	10/7/2016	
3518	SYSTEMS METHODS AND DEVICES FOR CELL SELECTION BASED ON PRIORITIZED NODES	201647034556		IN	10/8/2016	

SCHEDULE A

No.	TITLE	Filing Number	Publication Number	Jurisdiction	Filing Date	Publication Date
3519	SYSTEMS DEVICES AND METHODS FOR LONG TERM EVOLUTION AND WIRELESS LOCAL AREA INTERWORKING	201647034562		IN	10/8/2016	
3520	SYSTEMS METHODS AND DEVICES FOR FLEXIBLE RETRANSMISSIONS	201647034564		IN	10/8/2016	
3521	COMMUNICATION SYSTEMS AND METHODS	201647036538		IN	10/25/2016	
3522	LTE-U COMMUNICATION DEVICES AND METHODS FOR APERIODIC BEACON AND REFERENCE SIGNAL TRANSMISSION	201647037427		IN	11/2/2016	
3523	COMMUNICATION SYSTEMS AND METHODS	201647037565		IN	11/3/2016	
3524	METHODS APPARATUS OF ENB AND UE FOR MTC WITH NARROWBAND DEPLOYMENT	201647038081		IN	11/8/2016	
3525	METHOD AND APPARATUS OF UE AND ENB FOR MTC WITH NARROWBAND DEPLOYMENT	201647038083		IN	11/8/2016	
3526	AN APPARATUS AND METHOD ENHANCING QUALITY OF SERVICE ARCHITECTURE FOR LTE	201647038375		IN	11/10/2016	
3527	TECHNIQUES FOR SECURELY RECEIVING CRITICAL COMMUNICATION CONTENT ASSOCIATED WITH A CRITICAL COMMUNICATION SERVICE	201647038376		IN	11/10/2016	
3528	PREVENTING A MOBILE DEVICE FROM REPEATING A REQUEST TOWARD A MOBILE NETWORK	201647038378		IN	11/10/2016	
3529	NEIGHBOR CELL SYSTEM INFORMATION PROVISIONING	201647039643		IN	11/21/2016	
3530	SYSTEM AND METHOD FOR TDD COMMUNICATIONS	201647039654		IN	11/21/2016	
3531	SYSTEMS AND METHODS FOR VARIED CELL BARRING TIMES	201647039808	201647039808	IN	11/22/2016	1/6/2017
3532	SYSTEMS APPARATUSES AND METHODS FOR LIGHTWEIGHT OVER-THE-AIR SIGNALING MECHANISMS IN DATA COMMUNICATIONS	201647040899	201647040899	IN	11/30/2016	6/2/2017
3533	DRX OPERATION FOR UL/DL RECONFIGURATION	201648018694		IN	5/31/2016	
3534	METHOD AND EVOLVED NODE-B FOR GEOGRAPHIC BIN DATA COLLECTION AND REPORTING	201648022086	201648022086	IN	6/28/2016	8/31/2016
3535	TECHNIQUES FOR RESOURCE SHARING	201741046351		IN		
3536	DEVICE AND METHOD FOR RECOVERING SERVICES FROM NETWORK REJECTIONS TO WIRELESS COMMUNICATION DEVICES	201744014877		IN		
3537	AMPLIFICATION CIRCUIT APPARATUS FOR AMPLIFYING LOW NOISE AMPLIFIER RADIO RECEIVER MOBILE TERMINAL BASE STATION AND METHOD FOR AMPLIFYING	201744015791	201744015791	IN		12/15/2017

SCHEDULE A

No.	TITLE	Filing Number	Publication Number	Jurisdiction	Filing Date	Publication Date
3538	FREQUENCY RECONFIGURABLE ANTENNA DECOUPLING FOR WIRELESS COMMUNICATION	201744016544	201744016544	IN		12/29/2017
3539	DIGITAL-CENTRIC FULL-DUPLEX ARCHITECTURE	201744016588	201744016588	IN		1/5/2018
3540	APPARATUS ADAPTED FOR MAINTAINING RECEIVING DATA QUALITY AND METHOD FOR RECEIVING DATA	201744018582	201744018582	IN		1/5/2018
3541	PERFORMANCE INDICATOR FOR PHASE LOCKED LOOPS	201744018586	201744018586	IN		1/5/2018
3542	DIGITAL TIME CONVERTER SYSTEMS AND METHODS	201744018593	201744018593	IN		1/5/2018
3543	SHORT RANGE RADIO COMMUNICATION DEVICE AND A METHOD OF CONTROLLING A SHORT RANGE RADIO COMMUNICATION DEVICE	201744018979	201744018979	IN		1/5/2018
3544	SYSTEMS METHODS AND DEVICES FOR PROXIMITY SERVICES FOR MULTI-CARRIER CAPABLE MOBILE DEVICES	201747000861	201747000861	IN	1/9/2017	5/26/2017
3545	CONTROL OF TRAFFIC FROM APPLICATIONS WHEN THIRD PARTY SERVERS ENCOUNTER PROBLEMS	201747001349	201747001349	IN	1/12/2017	6/2/2017
3546	VIRTUALIZED NETWORK FUNCTION MANAGEMENT	201747001438	201747001438	IN	1/13/2017	5/26/2017
3547	MODIFIED ARCHITECTURE FOR CLOUD RADIO ACCESS NETWORKS AND APPROACH FOR COMPRESSION OF FRONT-HAUL DATA	201747003196	201747003196	IN	1/28/2017	6/2/2017
3548	APPARATUS SYSTEM AND METHOD OF RELAY BACKHAULING WITH MILLIMETER WAVE CARRIER AGGREGATION	201747003700	201747003700	IN	2/1/2017	6/2/2017
3549	TRANSMISSION OF COMMON CONTROL MESSAGES FOR MACHINE-TYPE COMMUNICATION (MTC) USER EQUIPMENTS WITH REDUCED BANDWIDTH	201747004572	201747004572	IN	2/8/2017	5/26/2017
3550	CODEBOOK FOR FULL-DIMENSION MULTIPLE INPUT MULTIPLE OUTPUT COMMUNICATIONS	201747004581	201747004581	IN	2/8/2017	6/2/2017
3551	NETWORK FUNCTIONS VIRTUALIZATION	201747004582	201747004582	IN	2/8/2017	6/2/2017
3552	INCREASED CARRIER MONITORING	201747005185	201747005185	IN	2/14/2017	5/26/2017
3553	SMOOTH UE TRANSFER WITHIN AN EVOLVED PACKET CORE	201747005221	201747005221	IN	2/14/2017	4/21/2017
3554	SYSTEMS AND METHODS FOR MANAGING CIRCUIT SWITCHED FALLBACK CALLS	201747005897	201747005897	IN	2/20/2017	5/5/2017
3555	MOBILE COMMUNICATION IN MACRO-CELL ASSISTED SMALL CELL NETWORKS	201747005910	201747005910	IN	2/20/2017	4/21/2017
3556	METHODS AND APPARATUSES OF WLAN ALARM NOTIFICATION IN CELLULAR NETWORKS	201747006461	201747006461	IN	2/23/2017	6/9/2017

SCHEDULE A

No.	TITLE	Filing Number	Publication Number	Jurisdiction	Filing Date	Publication Date
3557	CARRIAGE OF MEDIA CONTENT QUALITY INFORMATION	201747006464	201747006464	IN	2/23/2017	4/28/2017
3558	METHODS AND APPARATUSES FOR FLEXIBLE MOBILE STEERING IN CELLULAR NETWORKS	201747006475	201747006475	IN	2/23/2017	4/21/2017
3559	CONNECTION CONTROL FOR MACHINE TYPE COMMUNICATION (MTC) DEVICES	201747008632	201747008632	IN	3/13/2017	4/21/2017
3560	SYSTEMS METHODS AND APPARATUSES FOR BEARER SPLITTING IN MULTI-RADIO HETNET	201747008633	201747008633	IN	3/13/2017	4/21/2017
3561	EARLY TERMINATION OF REPEATED TRANSMISSIONS FOR MTC	201747013586	201747013586	IN	4/17/2017	4/28/2017
3562	SYSTEMS AND METHODS FOR SIGNALING IN AN INCREASED CARRIER MONITORING WIRELESS COMMUNICATION ENVIRONMENT	201747013678	201747013678	IN	4/18/2017	4/28/2017
3563	INTERACTIVE VIDEO CONFERENCING	201747015750		IN	5/4/2017	
3564	TRAFFIC ENGINEERING IN HETEROGENEOUS MILLIMETER-WAVE AND LTE SMALL CELL SYSTEMS	201747017638	201747017638	IN	5/19/2017	6/2/2017
3565	PROVISIONING OF APPLICATION CATEGORIES AT A USER EQUIPMENT DURING NETWORK CONGESTION	201747019634	201747019634	IN	6/5/2017	6/16/2017
3566	SYSTEMS METHODS AND DEVICES FOR DIRECT COMMUNICATION USING A PC5 PROTOCOL	201747019918	201747019918	IN	6/7/2017	6/16/2017
3567	TECHNIQUES FOR MONITORING VIRTUALIZED NETWORK FUNCTIONS OR NETWORK FUNCTIONS VIRTUALIZATION INFRASTRUCTURE	201747020490	201747020490	IN	6/12/2017	6/23/2017
3568	PUBLIC SAFETY DISCOVERY AND COMMUNICATION USING A UE-TO-UE RELAY	201747020587	201747020587	IN	6/13/2017	6/23/2017
3569	POWER HEADROOM REPORTING WITH CHANNEL SELECTION	201747020637	201747020637	IN	6/13/2017	6/23/2017
3570	MEASUREMENT GAP ENHANCEMENT TO REDUCE MEASUREMENT DELAY	201747036069	201747036069	IN	10/11/2017	10/20/2017
3571	MEASUREMENT METHOD IN CARRIER AGGREGATION AND ASYNCHRONOUS DUAL CONNECTIVITY	201747036659	201747036659	IN	10/16/2017	10/27/2017
3572	PDCP STATUS REPORTING FOR MULTI-RAT OFFLOADING	201747037187	201747037187	IN	10/20/2017	10/27/2017
3573	UPLINK RESOURCE COLLISION REDUCTION IN FD-MIMO	201747041251	201747041251	IN	11/17/2017	11/24/2017
3574	REFERENCE SIGNAL ENHANCEMENT FOR SHARED CELL	201748000315	201748000315	IN	1/4/2017	9/8/2017
3575	SYSTEMS METHODS AND DEVICES FOR DEVICE-TO-DEVICE COMMUNICATION MODE SELECTION	201748006887	201748006887	IN	2/27/2017	4/21/2017
3576	DRX OPERATION FOR UL/DL RECONFIGURATION	201748039644	201748039644	IN	11/7/2017	11/17/2017
3577	ENCODING CIRCUIT METHOD FOR TRANSMITTING DATA OVER A DATA BUS AND RADIO COMMUNICATION DEVICE	201847002228		IN	1/19/2018	

SCHEDULE A

No.	TITLE	Filing Number	Publication Number	Jurisdiction	Filing Date	Publication Date
3578	USER EQUIPMENT (UE) AND METHODS FOR COMMUNICATION USING DIRECTIONAL TRANSMISSION AND RECEPTION	201847003964		IN	2/2/2018	
3579	CONVERGENCE LAYER FOR 5G COMMUNICATION SYSTEMS	201847005959		IN	2/16/2018	
3580	APPARATUS SYSTEM AND METHOD OF COMMUNICATING BETWEEN A CELLULAR MANAGER AND A USER EQUIPMENT (UE) VIA A WLAN NODE	201847006197		IN	2/19/2018	
3581	USER EQUIPMENT (UE) AND METHODS FOR DYNAMIC MILLIMETER WAVE PENCIL CELL COMMUNICATION	201847006965		IN	2/23/2018	
3582	OFDMA-BASED MULTIPLEXING OF UPLINK CONTROL INFORMATION	201847006966		IN	2/23/2018	
3583	NETWORK DISCOVERY AND BEAM ACQUISITION FOR BEAM CELLOPERATION	201847006968		IN	2/23/2018	
3584	APPARATUSES AND METHODS FOR MEASURING NEIGHBORING INTER-FREQUENCY OR INTER-RAT CELLS	201947007842		IN	2/28/2019	
3585	TRANSMISSION TOGGLE UPLINK COMPENSATION	3218/CHE/2015	3218/CHE/2015	IN		12/30/2016
3586	POWER SAVE IN MACHINE TYPE COMMUNICATION DEVICE	3221/CHE/2015	3221/CHE/2015	IN		1/13/2017
3587	RADIO COMMUNICATION DEVICES AND METHODS FOR CONTROLLING A RADIO COMMUNICATION DEVICE	3265/CHE/2015	3265/CHE/2015	IN		7/1/2016
3588	REPORTING OF USER PLANE CONGESTION (UPCON) USING A UPCON CONTAINER	3699/CHENP/2015	3699/CHENP/2015	IN	6/25/2015	7/1/2015
3589	PHASE TRACKER FOR A PHASE LOCKED LOOP	4130/CHE/2015	4130/CHE/2015	IN		7/1/2016
3590	DIGITAL TO ANALOG CONVERTER CIRCUITS APPARATUS AND METHOD FOR GENERATING A HIGH FREQUENCY TRANSMISSION SIGNAL AND METHODS OF DIGITAL TO ANALOG CONVERSION	4197/CHE/2015	4197/CHE/2015	IN		7/1/2016
3591	COORDINATION OF CAPACITY AND COVERAGE OPTIMIZATION OF SELF-ORGANIZING NETWORKS	4467/CHENP/2015	4467/CHENP/2015	IN	7/23/2015	7/1/2016
3592	METHODS AND DEVICES FOR DETERMINING INTERMODULATION DISTORTIONS	4872/CHE/2015	4872/CHE/2015	IN		7/1/2016
3593	MANAGEMENT TECHNIQUES FOR WIRELESS NETWORK MOBILITY PROCEDURES	4969/CHENP/2015		IN	8/14/2015	
3594	ARCHITECTURE FOR WEB-BASED REAL-TIME COMMUNICATIONS (WEBRTC) TO ACCESS INTERNET PROTOCOL MULTIMEDIA SUBSYSTEM (IMS)	4993/CHENP/2015	4993/CHENP/2015	IN	8/17/2015	7/1/2016
3595	INTERFERENCE AID FREQUENCY OFFSET ESTIMATION FOR USER EQUIPMENT	5454/CHE/2014	5454/CHE/2014	IN		7/1/2016

SCHEDULE A

No.	TITLE	Filing Number	Publication Number	Jurisdiction	Filing Date	Publication Date
3596	METHOD OF PROCESSING RECEIVED DIGITIZED SIGNALS AND MOBILE RADIO COMMUNICATION TERMINAL DEVICE	5623/CHE/2015	5623/CHE/2015	IN		7/1/2016
3597	INJECTION LOCKED RING OSCILLATOR BASED DIGITAL-TO-TIME CONVERTER AND METHOD FOR PROVIDING A FILTERED INTERPOLATED PHASE SIGNAL	5815/CHE/2015	5815/CHE/2015	IN		7/1/2016
3598	APPARATUS AND METHODS FOR A CAPACITIVE DIGITAL-TO-ANALOG CONVERTER BASED POWER AMPLIFIER	5817/CHE/2015	5817/CHE/2015	IN		7/1/2016
3599	CELLULAR UP-LINK HARMONIC SPURS MITIGATION IN WI-FI AND BLUETOOTH RECEIVERS	5820/CHE/2015	5820/CHE/2015	IN		7/1/2016
3600	AN APPARATUS AND METHOD FOR GENERATING A TRANSMIT SIGNAL	5990/CHE/2015	5990/CHE/2015	IN		7/1/2016
3601	FREQUENCY GENERATOR METHOD AND COMPUTER PROGRAM	6041/CHE/2015	6041/CHE/2015	IN		7/1/2016
3602	HIGH -SPEED DIGITAL SIGNAL PROCESSING SYSTEMS	6045/CHE/2015	6045/CHE/2015	IN		7/1/2016
3603	COARSE TUNING SELECTION FOR PHASE LOCKED LOOPS	6056/CHE/2015	6056/CHE/2015	IN		8/31/2016
3604	CIRCUIT AND METHOD FOR PROVIDING A RADIO FREQUENCY SIGNAL	6093/CHE/2015	6093/CHE/2015	IN		7/1/2016
3605	NOISE-SHAPING CIRCUIT DIGITAL TO TIME CONVERTER ANALOG TO DIGITAL CONVERTER DIGITAL TO ANALOG CONVERTER FREQUENCY SYNTHESIZER TRANSMITTER RECEIVER TRANSCEIVER METHOD FOR SHAPING NOISE IN AN INPUT SIGNAL	6094/CHE/2015	6094/CHE/2015	IN		7/1/2016
3606	HIGH LINEARITY PUSH-PULL COMMON-GATE AMPLIFIER	7075/CHE/2015	7075/CHE/2015	IN		10/21/2016
3607	HYSTERETIC CURRENT CONTROL WITH EVENT DITHERING	7077/CHE/2015	7077/CHE/2015	IN		10/21/2016
3608	METHOD AND DEVICE FOR CANCELING A BIAS OF A RADIO CHANNEL SEQUENCE	7140/CHE/2015	7140/CHE/2015	IN		9/9/2016
3609	USER EQUIPMENT AND METHOD FOR PACKET BASED DEVICE-TO-DEVICE (D2D) DISCOVERY IN AN LTE NETWORK	7807/CHENP/2015	7807/CHENP/2015	IN	12/18/2015	8/26/2016
3610	SIGNALING FOR PROXIMITY SERVICES AND D2D DISCOVERY IN AN LTE NETWORK	7809/CHENP/2015		IN	12/18/2015	
3611	APPARATUS SYSTEM AND METHOD OF WIRELESS LOCAL AREA NETWORK (WLAN) SETTING OF A USER EQUIPMENT (UE)			IN		
3612	EMISSION SUPPRESSION FOR WIRELESS COMMUNICATION DEVICES	2011-120054	2011-259423	JP		12/22/2011
3613	RECEIVER WITH FEEDBACK CONTINUOUS-TIME DELTA-SIGMA MODULATOR WITH CURRENT-MODE INPUT	2011-196652	2012-060644	JP		3/22/2012

SCHEDULE A

No.	TITLE	Filing Number	Publication Number	Jurisdiction	Filing Date	Publication Date
3614	SYSTEMS AND METHODS FOR SPURIOUS EMISSION CANCELLATION	2011-200650	2012-065318	JP		3/29/2012
3615	SYSTEM AND METHOD FOR TUNING AN ANTENNA IN A WIRELESS COMMUNICATION DEVICE	2012-063394	2012-199923	JP		10/18/2012
3616	METHOD AND SYSTEM FOR CONTROLLING SIGNAL TRANSMISSION OF A WIRELESS COMMUNICATION DEVICE	2012-084927	2012-222816	JP		11/12/2012
3617	SYSTEM AND METHOD FOR ESTIMATING AND CORRECTING PHASE SHIFT IN A WIRELESS COMMUNICATION DEVICE	2012-145548	2013-017169	JP		1/24/2013
3618	SYSTEM AND METHOD FOR REDUCING OR ELIMINATING TEMPERATURE DEPENDENCE OF A COHERENT RECEIVER IN A WIRELESS COMMUNICATION DEVICE	2012-176087	2013-042493	JP		2/28/2013
3619	SYSTEM AND METHOD FOR PRESERVING INPUT IMPEDANCE OF A CURRENT-MODE CIRCUIT	2012-176154	2013-042494	JP		2/28/2013
3620	SYSTEM AND METHOD FOR IMPROVING POWER EFFICIENCY OF A TRANSMITTER	2012-176166	2013-042495	JP		2/28/2013
3621	COMMUNICATION DEVICE AND METHOD FOR PERFORMING RADIO COMMUNICATION	2014-104261	2014-230279	JP		12/8/2014
3622	CALIBRATED TEMPERATURE MEASUREMENT SYSTEM	2014-110166	2014-232108	JP		12/11/2014
3623	REDUCING TRANSMISSION SIGNAL ARTIFACT SPACING	2014-111050	2014-239434	JP		12/18/2014
3624	METHOD AND DEVICE FOR PROCESSING A SIGNAL BASED ON A FIRST AND A SECOND COVARIANCE MEASURE	2014-128170	2015-012613	JP		1/19/2015
3625	SYSTEM AND METHOD FOR TUNING AN ANTENNA IN A WIRELESS COMMUNICATION DEVICE	2015-082377	2015-149765	JP		8/20/2015
3626	APPARATUS SYSTEM AND METHOD OF COMMUNICATING NON-CELLULAR ACCESS NETWORK INFORMATION OVER A CELLULAR NETWORK	2015-547932	2016-506659	JP	6/16/2015	3/3/2016
3627	PRESENCE SERVICE USING IMS BASED DASH SERVICE	2015-549867	2016-511557	JP	5/25/2015	4/14/2016
3628	DASH-AWARE NETWORK APPLICATION FUNCTION (D-NAF)	2015-550736	2016-510527	JP	6/24/2015	4/7/2016
3629	UE-BASED D2D DISCOVERY	2015-555168	2016-508689	JP	7/22/2015	3/22/2016
3630	REPORTING OF USER PLANE CONGESTION (UPCON) USING A UPCON CONTAINER	2015-557997	2016-507203	JP	8/13/2015	3/7/2016
3631	PROVISIONING OF APPLICATION CATEGORIES AT A USER EQUIPMENT DURING NETWORK CONGESTION	2015-558240	2016-510583	JP	8/13/2015	4/7/2016
3632	COORDINATION OF CAPACITY AND COVERAGE OPTIMIZATION OF SELF-ORGANIZING NETWORKS	2015-560174	2016-512400	JP	7/27/2015	4/25/2016

SCHEDULE A

No.	TITLE	Filing Number	Publication Number	Jurisdiction	Filing Date	Publication Date
3633	ESTABLISHMENT OF CONNECTION TO THE INTERNET IN CELLULAR NETWORK	2015-560175	2016-514408	JP	8/27/2015	5/19/2016
3634	INTERNET PROTOCOL (IP) MULTIMEDIA SUBSYSTEM (IMS) BASED PEER-TO-PEER (P2P) CONTENT DISTRIBUTION	2015-561333	2016-517648	JP	9/4/2015	6/16/2016
3635	DRX OPERATION FOR UL/DL RECONFIGURATION	2016-081269	2016-181900	JP	4/14/2016	10/13/2016
3636	SIGNALING FOR PROXIMITY SERVICES AND D2D DISCOVERY IN AN LTE NETWORK	2016-133179	2016-174429	JP	7/5/2016	9/29/2016
3637	METHOD AND EVOLVED NODE-B FOR GEOGRAPHIC BIN DATA COLLECTION AND REPORTING	2016-141403	2017-085543	JP	7/19/2016	5/18/2017
3638	USER EQUIPMENT AND METHOD FOR PACKET BASED DEVICE-TO-DEVICE (D2D) DISCOVERY IN AN LTE NETWORK	2016-164318	2016-197926	JP	8/25/2016	11/24/2016
3639	DIAMETER/XML PROTOCOL CONVERSION	2016-502616	2016-521395	JP	9/10/2015	7/21/2016
3640	MANAGEMENT TECHNIQUES FOR WIRELESS NETWORK MOBILITY PROCEDURES	2016-505572	2016-515774	JP	8/10/2015	5/30/2016
3641	ARCHITECTURE FOR WEB-BASED REAL-TIME COMMUNICATIONS (WEBRTC) TO ACCESS INTERNET PROTOCOL MULTIMEDIA SUBSYSTEM (IMS)	2016-505623	2016-517234	JP	8/24/2015	6/9/2016
3642	METHODS APPARATUSES AND SYSTEMS FOR RETRIEVING DATA FROM A WIRELESS LOCAL AREA NETWORK (WLAN) ACCESS POINT	2016-511737	2016-523027	JP	10/30/2015	8/4/2016
3643	RESOURCE ALLOCATION FOR D2D DISCOVERY IN AN LTE NETWORK	2016-516873	2016-536828	JP	3/24/2016	11/24/2016
3644	HARQ TIMELINES FOR TDDFDD CARRIER AGGREGATION	2016-517472	2016-532342	JP	3/25/2016	10/13/2016
3645	APPARATUS SYSTEM AND METHOD OF SELECTIVELY PROVIDING INTERNET PROTOCOL (IP) SESSION CONTINUITY	2016-521924	2016-530754	JP	11/18/2015	9/29/2016
3646	ENABLING DIRECT TRANSPORT LAYER CONNECTIVITY	2016-524393	2016-529775	JP	12/24/2015	9/23/2016
3647	SIGNALING FOR PROXIMITY SERVICES AND D2D DISCOVERY IN AN LTE NETWORK	2016-525843	2016-525308	JP	1/7/2016	8/22/2016
3648	USER EQUIPMENT AND METHOD FOR PACKET BASED DEVICE-TO-DEVICE (D2D) DISCOVERY IN AN LTE NETWORK	2016-525844	2016-531473	JP	1/6/2016	10/6/2016
3649	USER EQUIPMENT DISTRIBUTION INFORMATION COLLECTION	2016-533397	2016-534617	JP	12/16/2015	11/4/2016
3650	POWER SAVING MODE OPTIMIZATIONS AND RELATED PROCEDURES	2016-533442	2016-527848	JP	12/16/2015	9/8/2016
3651	SYSTEMS METHODS AND DEVICES TO SUPPORT A FAST TDD CONFIGURATION INDICATION	2016-534719	2017-500793	JP	5/26/2016	1/5/2017

SCHEDULE A

No.	TITLE	Filing Number	Publication Number	Jurisdiction	Filing Date	Publication Date
3652	METHOD AND EVOLVED NODE-B FOR GEOGRAPHIC BIN DATA COLLECTION AND REPORTING	2016-534729	2017-507508	JP	5/26/2016	3/16/2017
3653	SYSTEMS AND METHODS FOR MODULATION AND CODING SCHEME SELECTION AND CONFIGURATION	2016-534978	2017-509173	JP	5/27/2016	3/30/2017
3654	POWER HEADROOM REPORTING WITH DUAL CONNECTIVITY	2016-535032	2017-503391	JP	5/27/2016	1/26/2017
3655	SYSTEMS METHODS AND DEVICES FOR ENHANCING SPECTRAL EFFICIENCY WITH NETWORK-ASSISTED ADVANCED RECEIVERS	2016-535130	2017-508314	JP	5/30/2016	3/23/2017
3656	USER EQUIPMENT AND PROTOCOL AND METHODS FOR DEVICE-TO-DEVICE COMMUNICATION	2016-536515	2016-531517	JP	2/18/2016	10/6/2016
3657	DISCONTINUOUS RECEPTION (DRX) ALIGNMENT TECHNIQUES FOR DUAL-CONNECTIVITY ARCHITECTURES	2016-538035	2016-540444	JP	6/9/2016	12/22/2016
3658	CLIENT/SERVER SIGNALING COMMANDS FOR DASH	2016-538658	2017-505024	JP	6/10/2016	2/9/2017
3659	APPARATUS SYSTEM AND METHOD OF PROVIDING OFFLOADABILITY INFORMATION TO A USER-EQUIPMENT (UE)	2016-538661	2017-503406	JP	6/10/2016	1/26/2017
3660	SYSTEMS METHODS AND DEVICES FOR TRAFFIC OFFLOADING	2016-540891	2016-529857	JP	1/22/2016	9/23/2016
3661	DRX OPERATION FOR UL/DL RECONFIGURATION	2016-541968	2016-530840	JP	1/14/2016	9/29/2016
3662	DELIVERY OF TARGETED MEDIA CONTENT	2016-542883	2016-536925	JP	3/15/2016	11/24/2016
3663	SYSTEMS AND METHODS FOR MODULATION AND CODING SCHEME SELECTION AND CONFIGURATION	2016-543110	2017-503417	JP	6/27/2016	1/26/2017
3664	SYSTEMS METHODS AND DEVICES FOR HYBRID FULL-DIMENSIONAL MULTIPLE-INPUT MULTIPLE-OUTPUT	2016-543111	2017-507523	JP	6/27/2016	3/16/2017
3665	SYSTEMS METHODS AND DEVICES FOR APPLICATION AWARE ACCESS CONTROL FOR COMMUNICATION ON A MOBILE NETWORK	2016-543684	2017-505572	JP	6/29/2016	2/16/2017
3666	APPARATUS SYSTEM AND METHOD OF ACCESS NETWORK DISCOVERY AND SELECTION FUNCTION (ANDSF) FOR TRAFFIC OFFLOADING	2016-543700	2017-505044	JP	6/29/2016	2/9/2017
3667	MOBILITY INFORMATION REPORTING	2016-544361	2016-534682	JP	3/22/2016	11/4/2016
3668	SIGNALLING FOR INTER-CELL D2D DISCOVERY IN AN LTE NETWORK	2016-544365	2016-531533	JP	2/12/2016	10/6/2016
3669	DEVICE SYSTEM AND METHOD OF CONFIGURING A RADIO TRANSCEIVER	2016-544676	2017-510118	JP	7/5/2016	4/6/2017
3670	SCHEDULING FOR AN UNLICENSED CARRIER TYPE	2016-544838	2017-502612	JP	7/6/2016	1/19/2017
3671	USER EQUIPMENT AND EVOLVED NODE-B AND METHODS FOR RANDOM ACCESS FOR MACHINE TYPE COMMUNICATION	2016-547066	2017-508361	JP	7/15/2016	3/23/2017
3672	MEASUREMENT GAP PATTERNS	2016-547069	2017-503437	JP	7/15/2016	1/26/2017

SCHEDULE A

No.	TITLE	Filing Number	Publication Number	Jurisdiction	Filing Date	Publication Date
3673	CIRCUIT SWITCHED FALLBACK	2016-548078	2017-508363	JP	7/22/2016	3/23/2017
3674	SYSTEMS DEVICES AND METHODS FOR INTERWORKING BETWEEN A UNIVERSAL MOBILE TELECOMMUNICATIONS SYSTEM (UMTS) NETWORK AND A WIRELESS LOCAL AREA NETWORK (WLAN)	2016-549356	2017-505074	JP	7/29/2016	2/9/2017
3675	SYSTEMS METHODS AND DEVICES FOR DEVICE-TO-DEVICE COMMUNICATION MODE SELECTION	2016-549544	2017-511996	JP	8/2/2016	4/27/2017
3676	SYSTEMS METHODS AND DEVICES FOR DISTRIBUTED SETUP FOR A DEVICE-TO-DEVICE SESSION	2016-550229	2017-512000	JP	8/4/2016	4/27/2017
3677	CONVEYANCE OF APPLICATION COMMUNICATION PATTERNS FROM AN EXTERNAL APPLICATION SERVER TO A 3RD GENERATION PARTNERSHIP PROJECT SYSTEM	2016-550241	2017-510166	JP	8/4/2016	4/6/2017
3678	TECHNIQUES FOR COORDINATED APPLICATION OF WIRELESS NETWORK SELECTION AND TRAFFIC ROUTING RULES	2016-550255	2017-507591	JP	8/4/2016	3/16/2017
3679	SYSTEMS METHODS AND DEVICES FOR OPPORTUNISTIC NETWORKING	2016-551142	2017-507596	JP	8/10/2016	3/16/2017
3680	METHOD AND APPARATUS TO ASSIST NETWORK TRAFFIC	2016-551213	2017-507597	JP	8/10/2016	3/16/2017
3681	METHODS SYSTEMS AND DEVICES FOR MODULATION AND CODING SCHEME SIGNALING FOR COMMON CONTROL CHANNEL	2016-552517	2017-514325	JP	8/16/2016	6/1/2017
3682	USER EQUIPMENT GENERATION AND SIGNALING OF FEEDBACK FOR SUPPORTING ADAPTIVE DEMODULATION REFERENCE SIGNAL TRANSMISSION	2016-552538	2017-515323	JP	8/16/2016	6/8/2017
3683	APPARATUS SYSTEM AND METHOD OF IDENTIFYING A WIRELESS DOCKING STATION	2016-552596	2017-512407	JP	8/17/2016	5/18/2017
3684	ENHANCED NODE B UE AND METHOD FOR SELECTING CELL DISCOVERY SIGNALS IN LTE NETWORKS	2016-552913	2017-512010	JP	8/18/2016	4/27/2017
3685	APPARATUS SYSTEM AND METHOD OF SECURING COMMUNICATIONS OF A USER EQUIPMENT (UE) IN A WIRELESS LOCAL AREA NETWORK	2016-552997	2017-535088	JP	8/18/2016	11/24/2017
3686	USER EQUIPMENT COMPUTER READABLE MEDIUM AND METHOD TO DETERMINE THE MOBILITY OF USER EQUIPMENT IN A LONG- TERM EVOLUTION NETWORK	2016-553441	2017-512013	JP	8/19/2016	4/27/2017
3687	REFERENCE SIGNAL ENHANCEMENT FOR SHARED CELL	2016-553442	2017-506851	JP	8/19/2016	3/9/2017
3688	APPARATUS SYSTEMS AND METHODS FOR DIFFERENTIATION OF PAYLOAD SIZE FOR D2D DISCOVERY	2016-553584	2017-506475	JP	8/22/2016	3/2/2017
3689	LISTEN BEFORE TALK PROTOCOL SELECTION	2016-555743	2017-517164	JP	9/5/2016	6/22/2017

SCHEDULE A

No.	TITLE	Filing Number	Publication Number	Jurisdiction	Filing Date	Publication Date
3690	APPARATUS METHOD AND SYSTEM OF ESTABLISHING A CONNECTION BETWEEN A CELLULAR NODE AND A CORE NETWORK	2016-555755	2017-517908	JP	9/5/2016	6/29/2017
3691	SIMULTANEOUS SCHEDULING REQUEST TRANSMISSION IN DUAL CONNECTIVITY	2016-555818	2017-513306	JP	9/6/2016	5/25/2017
3692	CHANNEL ACCESS PRIORITY FOR DISTRIBUTED D2D	2016-556859	2017-510188	JP	9/9/2016	4/6/2017
3693	SOLUTION TO SKIP AUTHENTICATION PROCEDURE DURING CIRCUIT SWITCHED FALLBACK (CSFB) TO SHORTEN THE CALL SETUP TIME	2016-556873	2017-513317	JP	9/9/2016	5/25/2017
3694	USER EQUIPMENT AND METHODS FOR MEASUREMENT OF REFERENCE SIGNAL RECEIVED QUALITY	2016-558091	2017-516341	JP	9/16/2016	6/15/2017
3695	SYSTEM AND METHOD TO MEASURE AN ERROR RATE OF A WIRELESS LOCAL AREA NETWORK	2016-559208	2017-515350	JP	9/26/2016	6/8/2017
3696	CHANNEL RESERVATION FOR OPERATION IN AN UNLICENSED SPECTRUM	2016-559617	2017-511653	JP	9/28/2016	4/20/2017
3697	USER EQUIPMENT AND METHODS FOR HANDOVER USING MEASUREMENT REPORTING BASED ON MULTIPLE EVENTS	2016-559619	2017-510207	JP	9/28/2016	4/6/2017
3698	NON-ORTHOGONAL MULTIPLE ACCESS (NOMA) WIRELESS SYSTEMS AND METHODS	2016-559848	2017-515361	JP	9/29/2016	6/8/2017
3699	LOAD BALANCING IN A WIRELESS CELLULAR NETWORK BASED ON USER EQUIPMENT MOBILITY	2016-559926	2017-516363	JP	9/29/2016	6/15/2017
3700	AUTONOMOUS ENHANCED NODE B	2016-561589	2017-503451	JP	6/28/2016	1/26/2017
3701	SYSTEMS METHODS AND DEVICES FOR SYNCHRONIZATION SOURCE SELECTION FOR DEVICE-TO-DEVICE COMMUNICATION	2016-561824	2017-511078	JP	10/7/2016	4/13/2017
3702	SYSTEMS METHODS AND DEVICES FOR APPLICATION SPECIFIC ROUTING IN DUAL CONNECTIVITY	2016-561997	2017-512034	JP	6/28/2016	4/27/2017
3703	SYSTEMS METHODS AND DEVICES FOR CONFIGURING MEASUREMENT GAPS FOR DUAL CONNECTIVITY	2016-563816	2017-519391	JP	10/20/2016	7/13/2017
3704	SYSTEMS METHODS AND DEVICES FOR CELL SELECTION BASED ON PRIORITIZED NODES	2016-563830	2017-514396	JP	10/20/2016	6/1/2017
3705	TECHNIQUES TO MANAGE RADIO FREQUENCY CHAINS	2016-564268	2017-517193	JP	10/24/2016	6/22/2017
3706	SYSTEMS METHODS AND DEVICES FOR FLEXIBLE RETRANSMISSIONS	2016-564616	2017-520947	JP	10/26/2016	7/27/2017
3707	SYSTEMS DEVICES AND METHODS FOR LONG TERM EVOLUTION AND WIRELESS LOCAL AREA INTERWORKING	2016-565046	2017-514405	JP	10/27/2016	6/1/2017
3708	SYSTEMS DEVICES AND METHODS FOR ALIGNMENT PROCEDURES IN DUAL-CONNECTIVITY NETWORKS	2016-565057	2017-518679	JP	10/27/2016	7/6/2017

SCHEDULE A

No.	TITLE	Filing Number	Publication Number	Jurisdiction	Filing Date	Publication Date
3709	APPARATUS SYSTEM AND METHOD OF COMMUNICATING WIRELESS LOCAL AREA NETWORK (WLAN) OFFLOADING INFORMATION BETWEEN CELLULAR MANAGERS	2016-565329	2017-514407	JP	10/28/2016	6/1/2017
3710	SYSTEMS METHODS AND DEVICES FOR PRIORITIZING INTER-FREQUENCY MEASUREMENTS	2016-566757	2017-520958	JP	11/4/2016	7/27/2017
3711	MOBILITY MANAGEMENT ENTITY USER EQUIPMENT AND METHODS FOR MACHINE TYPE COMMUNICATION	2016-566918	2017-515416	JP	11/7/2016	6/8/2017
3712	PRIORITIZED CELL IDENTIFICATION AND MEASUREMENT METHOD	2016-567028	2017-515423	JP	11/7/2016	6/8/2017
3713	METHODS APPARATUS OF ENB AND UE FOR MTC WITH NARROWBAND DEPLOYMENT	2016-567911	2017-526197	JP	11/15/2016	9/7/2017
3714	DEVICES AND METHOD FOR RETRIEVING AND UTILIZING NEIGHBORING WLAN INFORMATION FOR LTE LAA OPERATION	2016-568415	2017-516418	JP	11/17/2016	6/15/2017
3715	AN APPARATUS AND METHOD ENHANCING QUALITY OF SERVICE ARCHITECTURE FOR LTE	2016-568802	2017-525178	JP	11/21/2016	8/31/2017
3716	LTE-U COMMUNICATION DEVICES AND METHODS FOR APERIODIC BEACON AND REFERENCE SIGNAL TRANSMISSION	2016-569393	2017-520980	JP	11/24/2016	7/27/2017
3717	SYSTEMS METHODS AND DEVICES FOR DEVICE-TO-DEVICE DISCOVERY AND COMMUNICATION	2016-569558	2017-513415	JP	8/16/2016	5/25/2017
3718	APPARATUSES SYSTEMS AND METHODS FOR MEASURING QUALITY OF CELL DISCOVERY SIGNAL	2016-569559	2017-512043	JP	8/16/2016	4/27/2017
3719	SYSTEMS AND METHODS FOR VARIED CELL BARRING TIMES	2016-569801	2017-520981	JP	11/25/2016	7/27/2017
3720	NEIGHBOR CELL SYSTEM INFORMATION PROVISIONING	2016-569815	2017-523635	JP	11/25/2016	8/17/2017
3721	SYSTEM AND METHOD FOR TDD COMMUNICATIONS	2016-570086	2017-528934	JP	11/29/2016	9/28/2017
3722	EVOLVED NODE-B USER EQUIPMENT AND METHODS FOR HYBRID AUTOMATIC REPEAT REQUEST (HARQ) COMMUNICATION	2016-570253	2017-523641	JP	11/30/2016	8/17/2017
3723	APPARATUSES SYSTEMS AND METHODS FOR PAGING ENHANCEMENTS FOR LOW COMPLEXITY USER EQUIPMENT	2016-570302	2017-520178	JP	11/30/2016	7/20/2017
3724	COMMUNICATION SYSTEMS AND METHODS	2016-570319	2017-520984	JP	11/30/2016	7/27/2017
3725	APPARATUS AND METHODS FOR REDUCING SOFT BUFFER SIZE IN MTC DEVICES	2016-572380	2017-513420	JP	8/30/2016	5/25/2017
3726	METHOD AND APPARATUS OF UE AND ENB FOR MTC WITH NARROWBAND DEPLOYMENT	2016-572493	2017-526209	JP	12/9/2016	9/7/2017

SCHEDULE A

No.	TITLE	Filing Number	Publication Number	Jurisdiction	Filing Date	Publication Date
3727	TECHNIQUES FOR SECURELY RECEIVING CRITICAL COMMUNICATION CONTENT ASSOCIATED WITH A CRITICAL COMMUNICATION SERVICE	2016-572496	2017-519442	JP	12/9/2016	7/13/2017
3728	SYSTEM AND METHOD FOR MEASUREMENT REPORTING IN AN UNLICENSED SPECTRUM	2016-572695	2017-517985	JP	12/12/2016	6/29/2017
3729	MANAGEMENT TECHNIQUES FOR WIRELESS NETWORK MOBILITY PROCEDURES	2017-019975	2017-108439	JP	2/6/2017	6/15/2017
3730	UE BASED D2D DISCOVERY	2017-022237	2017-085666	JP	2/9/2017	5/18/2017
3731	APPARATUS SYSTEM AND METHOD OF COMMUNICATING NON-CELLULAR ACCESS NETWORK INFORMATION OVER A CELLULAR NETWORK	2017-078767	2017-163564	JP	4/12/2017	9/14/2017
3732	ARCHITECTURE FOR WEB-BASED REAL-TIME COMMUNICATIONS (WEBRTC) TO ACCESS INTERNET PROTOCOL MULTIMEDIA SUBSYSTEM (IMS)	2017-086494	2017-195603	JP	4/25/2017	10/26/2017
3733	REPORTING OF USER PLANE CONGESTION (UPCON) USING A UPCON CONTAINER	2017-101509	2017-163601	JP	5/23/2017	9/14/2017
3734	DASH-AWARE NETWORK APPLICATION FUNCTION (D-NAF)	2017-103554	2017-184260	JP	5/25/2017	10/5/2017
3735	RESOURCE ALLOCATION FOR D2D DISCOVERY IN AN LTE NETWORK	2017-116474	2017-200210	JP	6/14/2017	11/2/2017
3736	LOAD BALANCING SCHEMES FOR IDLE MODE USER EQUIPMENT	2017-124861	2017-201808	JP	6/27/2017	11/9/2017
3737	USER EQUIPMENT AND METHODS FOR MEASUREMENT OF REFERENCE SIGNAL RECEIVED QUALITY	2017-128120	2017-200226	JP	6/29/2017	11/2/2017
3738	ESTABLISHMENT OF CONNECTION TO THE INTERNET IN CELLULAR NETWORK	2017-130256	2017-195630	JP	7/3/2017	10/26/2017
3739	SYSTEMS AND METHODS FOR SIGNALING IN AN INCREASED CARRIER MONITORING WIRELESS COMMUNICATION ENVIRONMENT	2017-168337	2018-033137	JP	9/1/2017	3/1/2018
3740	DRX OPERATION FOR UL/DL RECONFIGURATION	2017-221364	2018-026883	JP	11/16/2017	2/15/2018
3741	APPARATUS SYSTEM AND METHOD OF PROVIDING OFFLOADABILITY INFORMATION TO A USER-EQUIPMENT (UE)	2017-224422	2018-050331	JP	11/22/2017	3/29/2018
3742	DELIVERY OF TARGETED MEDIA CONTENT	2017-224602	2018-050332	JP	11/22/2017	3/29/2018
3743	SIGNALLING FOR INTER-CELL D2D DISCOVERY IN AN LTE NETWORK	2017-227978	2018-067937	JP	11/28/2017	4/26/2018
3744	PRESENCE SERVICE USING IMS BASED DASH SERVICE	2017-229444	2018-057027	JP	11/29/2017	4/5/2018
3745	METHOD APPARATUS AND SYSTEM FOR MEASURING A POSITION OF A USER EQUIPMENT IN A WIRELESS NETWORK	2017-502573	2017-513439	JP	9/27/2016	5/25/2017
3746	USER EQUIPMENT AND METHODS FOR HANDOVER INITIATION	2017-502956	2017-514418	JP	9/27/2016	6/1/2017

SCHEDULE A

No.	TITLE	Filing Number	Publication Number	Jurisdiction	Filing Date	Publication Date
3747	SYSTEMS METHODS AND DEVICES FOR PROXIMITY SERVICES FOR MULTI-CARRIER CAPABLE MOBILE DEVICES	2017-502990	2017-523705	JP	1/18/2017	8/17/2017
3748	MODIFIED ARCHITECTURE FOR CLOUD RADIO ACCESS NETWORKS AND APPROACH FOR COMPRESSION OF FRONT-HAUL DATA	2017-506659	2017-529754	JP	2/6/2017	10/5/2017
3749	VIRTUALIZED NETWORK FUNCTION MANAGEMENT	2017-506662	2017-528967	JP	2/6/2017	9/28/2017
3750	CONTROL OF TRAFFIC FROM APPLICATIONS WHEN THIRD PARTY SERVERS ENCOUNTER PROBLEMS	2017-506672	2017-532813	JP	2/6/2017	11/2/2017
3751	LOAD BALANCING SCHEMES FOR IDLE MODE USER EQUIPMENT	2017-506846	2017-523734	JP	2/7/2017	8/17/2017
3752	APPARATUS SYSTEM AND METHOD OF RELAY BACKHAULING WITH MILLIMETER WAVE CARRIER AGGREGATION	2017-506910	2017-532814	JP	2/7/2017	11/2/2017
3753	TENTATIVE GRANT FOR EFFICIENT DEVICE TO DEVICE COMMUNICATIONS	2017-507676	2017-518003	JP	10/25/2016	6/29/2017
3754	LAWFUL INTERCEPT REPORTING IN WIRELESS NETWORKS USING PUBLIC SAFETY RELAYS	2017-507942	2017-520202	JP	10/25/2016	7/20/2017
3755	INCREASED CARRIER MONITORING NETWORK FUNCTIONS	2017-508077	2017-530602	JP	2/13/2017	10/12/2017
3756	VIRTUALIZATION	2017-508667	2017-532822	JP	2/15/2017	11/2/2017
3757	TRANSMISSION OF COMMON CONTROL MESSAGES FOR MACHINE-TYPE COMMUNICATION (MTC) USER EQUIPMENTS WITH REDUCED BANDWIDTH	2017-508989	2017-528980	JP	2/16/2017	9/28/2017
3758	USER EQUIPMENT AND METHODS TO INDICATE POWER SAVING MODE CONFIGURATION TO RAN NODES	2017-510468	2017-517226	JP	11/1/2016	6/22/2017
3759	SYSTEM AND METHOD OF MTC DEVICE OPERATIONS	2017-510633	2017-532831	JP	2/22/2017	11/2/2017
3760	CARRIAGE OF MEDIA CONTENT QUALITY INFORMATION	2017-510657	2017-535098	JP	2/22/2017	11/24/2017
3761	SYSTEMS AND METHODS FOR MANAGING CIRCUIT SWITCHED FALLBACK CALLS	2017-510838	2017-531367	JP	2/23/2017	10/19/2017
3762	MOBILE COMMUNICATION IN MACRO-CELL ASSISTED SMALL CELL NETWORKS	2017-512032	2017-527217	JP	3/1/2017	9/14/2017
3763	SYSTEMS METHODS AND APPARATUSES FOR BEARER SPLITTING IN MULTI-RADIO HETNET	2017-512734	2017-532846	JP	3/3/2017	11/2/2017
3764	CONNECTION CONTROL FOR MACHINE TYPE COMMUNICATION (MTC)DEVICES	2017-514633	2017-535115	JP	3/15/2017	11/24/2017
3765	CODEBOOK FOR FULL-DIMENSION MULTIPLE INPUT MULTIPLE OUTPUT COMMUNICATIONS	2017-516146	2017-532882	JP	3/23/2017	11/2/2017
3766	SMOOTH UE TRANSFER WITHIN AN EVOLVED PACKET CORE	2017-516297	2017-529801	JP	3/24/2017	10/5/2017

SCHEDULE A

No.	TITLE	Filing Number	Publication Number	Jurisdiction	Filing Date	Publication Date
3767	METHODS AND APPARATUSES OF WLAN ALARM NOTIFICATION IN CELLULAR NETWORKS	2017-516902	2017-536722	JP	3/28/2017	12/7/2017
3768	METHODS AND APPARATUSES FOR FLEXIBLE MOBILE STEERING IN CELLULAR NETWORKS	2017-517310	2017-533643	JP	3/30/2017	11/9/2017
3769	COMMUNICATION SYSTEMS AND METHODS	2017-518033	2017-525309	JP	12/13/2016	8/31/2017
3770	PREVENTING A MOBILE DEVICE FROM REPEATING A REQUEST TOWARD A MOBILE NETWORK	2017-518051	2017-521978	JP	12/13/2016	8/3/2017
3771	SYSTEMS APPARATUSES AND METHODS FOR LIGHTWEIGHT OVER-THE-AIR SIGNALING MECHANISMS IN DATA COMMUNICATIONS	2017-521063	2017-521028	JP	12/27/2016	7/27/2017
3772	SYSTEMS AND METHODS FOR SIGNALING IN AN INCREASED CARRIER MONITORING WIRELESS COMMUNICATION ENVIRONMENT	2017-526913	2017-535205	JP	5/18/2017	11/24/2017
3773	TECHNIQUES FOR MONITORING VIRTUALIZED NETWORK FUNCTIONS OR NETWORK FUNCTIONS VIRTUALIZATION INFRASTRUCTURE	2017-530607	2018-504809	JP	6/8/2017	2/15/2018
3774	PUBLIC SAFETY DISCOVERY AND COMMUNICATION USING A UE-TO-UE RELAY	2017-530691	2018-507574	JP	6/8/2017	3/15/2018
3775	POWER HEADROOM REPORTING WITH CHANNEL SELECTION	2017-530698	2018-504021	JP	6/8/2017	2/8/2018
3776	PROVISIONING OF APPLICATION CATEGORIES AT A USER EQUIPMENT DURING NETWORK CONGESTION	2017-533248	2018-502503	JP	6/19/2017	1/25/2018
3777	SYSTEMS METHODS AND DEVICES FOR SECURE DEVICE-TO-DEVICE DISCOVERY AND COMMUNICATION	2017-539223	2018-514092	JP	7/25/2017	5/31/2018
3778	SYSTEMS METHODS AND DEVICES FOR UPLINK TRANSMISSIONS WITH REDUCED SIGNALING OVERHEAD	2017-540871	2018-509812	JP	8/2/2017	4/5/2018
3779	SIGNALLING FOR PER CARRIER-COMPONENT BASED ENHANCED MEASUREMENT GAP CONFIGURATION	2017-540886	2018-511200	JP	8/2/2017	4/19/2018
3780	DEVICE SYSTEM AND METHOD OF QUASI-ORTHOGONAL MULTIPLE ACCESS	2017-540890	2018-514958	JP	8/2/2017	6/7/2018
3781	RANDOM ACCESS PROCEDURE FOR ENHANCED COVERAGE SUPPORT	2017-541935	2018-514097	JP	8/9/2017	5/31/2018
3782	EARLY TERMINATION OF REPEATED TRANSMISSIONS FOR MTC	2017-543297	2017-538371	JP	5/2/2017	12/21/2017
3783	DEVICE SYSTEM AND METHOD OF CELL SPECIFIC PROBABILITY LOAD BALANCING	2017-545731	2018-514966	JP	8/30/2017	6/7/2018
3784	OPPORTUNISTIC ACCESS OF MILLIMETERWAVE RADIO ACCESS TECHNOLOGY BASED ON EDGE CLOUD MOBILE PROXY	2017-546087	2018-511224	JP	9/1/2017	4/19/2018

SCHEDULE A

No.	TITLE	Filing Number	Publication Number	Jurisdiction	Filing Date	Publication Date
3785	METHODS APPARATUSES AND SYSTEMS FOR ENHANCEMENT OF EVOLVED PHYSICAL DOWNLINK CONTROL CHANNEL FOR MACHINE TYPE COMMUNICATIONS	2017-546202	2018-512777	JP	9/1/2017	5/17/2018
3786	USER EQUIPMENT RADIO-FREQUENCY AND BAND CAPABILITY FOR CARRIER AGGREGATION MEASUREMENT GAP	2017-548012	2018-515952	JP	9/12/2017	6/14/2018
3787	USER EQUIPMENT CONTROLLED MOBILITY IN AN EVOLVED RADIO ACCESS NETWORK	2017-549447	2018-514126	JP	9/21/2017	5/31/2018
3788	DEVICE AND METHOD OF CONFIGURABLE SYNCHRONIZATION SIGNAL AND CHANNEL DESIGN	2017-552022	2018-520528	JP	10/3/2017	7/26/2018
3789	ATTENTION (AT) COMMANDS FOR PACKET DATA NETWORK CONNECTION OFFLOAD	2017-552151	2018-515967	JP	10/5/2017	6/14/2018
3790	LATENCY REDUCTION TECHNIQUES FOR RADIO ACCESS NETWORKS	2017-552441	2018-527766	JP	10/5/2017	9/20/2018
3791	ENHANCED SUPPORT VEHICLE-TO-ANYTHING (V2X) COMMUNICATION	2017-552442	2018-523322	JP	10/5/2017	8/16/2018
3792	NON-CONTENTION BASED LOW LATENCY SCHEDULING REQUEST TRANSMISSION	2017-552478	2018-520529	JP	10/5/2017	7/26/2018
3793	CONTENTION FREE PHYSICAL UPLINK SHARED CONTROL CHANNEL (PUSCH) TRANSMISSION USING LISTEN BEFORE TALK	2017-554017	2018-519692	JP	10/13/2017	7/19/2018
3794	SYSTEM AND METHODS FOR SYSTEM OPERATION FOR NARROWBAND-LTE FOR CELLULAR IOT	2017-554827	2018-526838	JP	10/19/2017	9/13/2018
3795	VIRTUAL MOBILE MANAGEMENT ENTITY MANAGEMENT	2017-554888	2018-522433	JP	10/19/2017	8/9/2018
3796	PDCP STATUS REPORTING FOR MULTI-RAT OFFLOADING	2017-555394	2018-520532	JP	10/23/2017	7/26/2018
3797	ADAPTIVE VIDEO STREAMING USING DYNAMIC RADIO ACCESS NETWORK INFORMATION	2017-558669	2018-527769	JP	11/9/2017	9/20/2018
3798	INTERNET PROTOCOL (IP) MULTIMEDIA SUBSYSTEM (IMS) BASED PEER-TO-PEER (P2P) CONTENT DISTRIBUTION	2018-005526	2018-082489	JP	1/17/2018	5/24/2018
3799	USER EQUIPMENT AND PROTOCOL AND METHODS FOR DEVICE-TO-DEVICE COMMUNICATION	2018-014848	2018-088703	JP	1/31/2018	6/7/2018
3800	USER EQUIPMENT DISTRIBUTION INFORMATION COLLECTION	2018-048630	2018-117380	JP	3/15/2018	7/26/2018
3801	SYSTEMS AND METHODS FOR MODULATION AND CODING SCHEME SELECTION AND CONFIGURATION	2018-072460	2018-152856	JP	4/4/2018	9/27/2018
3802	CODEBOOK FOR FULL-DIMENSION MULTIPLE INPUT MULTIPLE OUTPUT COMMUNICATIONS	2018-113040	2018-160924	JP		10/11/2018
3803	SYSTEMS METHODS AND DEVICES FOR DEVICE-TO-DEVICE DISCOVERY AND COMMUNICATION	2018-134908	2018-186552	JP	7/18/2018	11/22/2018

SCHEDULE A

No.	TITLE	Filing Number	Publication Number	Jurisdiction	Filing Date	Publication Date
3804	REFERENCE SIGNAL ENHANCEMENT FOR SHARED CELL	2018-152858	2018-198452	JP	8/15/2018	12/13/2018
3805	POWER HEADROOM REPORTING WITH DUAL CONNECTIVITY	2018-171200	2019-017092	JP	9/13/2018	1/31/2019
3806	APPARATUS SYSTEM AND METHOD OF COMMUNICATING BETWEEN A CELLULAR MANAGER AND A USER EQUIPMENT (UE) VIA A WLAN NODE	2018-502202	2018-528650	JP	1/17/2018	9/27/2018
3807	PHYSICAL BROADCAST CHANNEL DESIGN	2018-503665	2018-531528	JP	1/24/2018	10/25/2018
3808	BEAMFORMING ARCHITECTURE FOR MULTI-BEAM MULTIPLE-INPUT-MULTIPLE-OUTPUT (MIMO)	2018-536509	2019-514232	JP	7/12/2018	5/30/2019
3809	APPARATUSES AND METHODS FOR COMPENSATING PHASE FLUCTUATIONS	2018-538575	2019-516260	JP	7/23/2018	6/13/2019
3810	POWER SAVING MODE OPTIMIZATIONS AND RELATED PROCEDURES			JP		
3811	AT COMMAND FOR SECURE ESM INFORMATION			JP		
3812	RECEIVER WITH FEEDBACK CONTINUOUS-TIME DELTA-SIGMA MODULATOR WITH CURRENT-MODE INPUT ANALOG-TO-DIGITAL CONVERTER AND WIRELESS COMMUNICATION ELEMENT	10-2011-0090175	10-2012-0027094	KR		3/21/2012
3813	SYSTEMS AND METHODS FOR SPURIOUS EMISSION CANCELLATION	10-2011-0091361	10-2012-0029327	KR		3/26/2012
3814	CALIBRATED TEMPERATURE MEASUREMENT SYSTEM	10-2014-0064623	10-2014-0140510	KR		12/9/2014
3815	REDUCING TRANSMISSION SIGNAL ARTIFACT SPACING	10-2014-0068052	10-2014-0143720	KR		12/17/2014
3816	NETWORK ASSISTED DEVICE-TO-DEVICE DISCOVERY FOR PEER-TO-PEER APPLICATION	10-2015-7008362	10-2015-0087186	KR	4/1/2015	7/29/2015
3817	PUCCH RESOURCE COMPRESSION FOR EPDCCH IN TDD MODE	10-2015-7015791	10-2015-0110484	KR	6/12/2015	10/2/2015
3818	APPARATUS SYSTEM AND METHOD OF COMMUNICATING NON-CELLULAR ACCESS NETWORK INFORMATION OVER A CELLULAR NETWORK	10-2015-7015916	10-2015-0090121	KR	6/16/2015	8/5/2015
3819	METHOD APPARATUS AND SYSTEM FOR HANDLING IN-DEVICE COEXISTENCE INTERFERENCE IN A WIRELESS NETWORK	10-2015-7016030	10-2015-0132080	KR	6/16/2015	11/25/2015
3820	NETWORK ASSISTED DEVICE TO DEVICE DISCOVERY	10-2015-7019868	10-2015-0098668	KR	7/21/2015	8/28/2015
3821	REPORTING OF USER PLANE CONGESTION (UPCON) USING A UPCON CONTAINER	10-2015-7019889	10-2015-0102066	KR	7/21/2015	9/4/2015
3822	SYSTEMS AND METHODS FOR ACCESS NETWORK SELECTION AND TRAFFIC ROUTING	10-2015-7019905	10-2015-0098672	KR	7/21/2015	8/28/2015
3823	UE BASED D2D DISCOVERY	10-2015-7020003	10-2015-0102073	KR	7/22/2015	9/4/2015

SCHEDULE A

No.	TITLE	Filing Number	Publication Number	Jurisdiction	Filing Date	Publication Date
3824	COORDINATION OF CAPACITY AND COVERAGE OPTIMIZATION OF SELF-ORGANIZING NETWORKS	10-2015-7020761	10-2015-0105963	KR	7/30/2015	9/18/2015
3825	TECHNIQUES FOR WIRELESS NETWORK DISCOVERY AND SELECTION SUPPORT	10-2015-7022591	10-2015-0110690	KR	8/20/2015	10/2/2015
3826	WIRELESS LOCAL AREA NETWORK (WLAN) TRAFFIC LOAD MEASUREMENT PROVISIONING TO WIRELESS CELLULAR NETWORKS	10-2015-7023261	10-2015-0112001	KR	8/27/2015	10/6/2015
3827	HANDOVER OF USER EQUIPMENT WITH NON-GBR BEARERS	10-2015-7023285	10-2015-0113096	KR	8/27/2015	10/7/2015
3828	MANAGEMENT TECHNIQUES FOR WIRELESS NETWORK MOBILITY PROCEDURES	10-2015-7023318	10-2015-0113101	KR	8/27/2015	10/7/2015
3829	ESTABLISHMENT OF CONNECTION TO THE INTERNET IN CELLULAR NETWORK	10-2015-7023578	10-2015-0114980	KR	8/28/2015	10/13/2015
3830	RECONFIGURATION CONTROL CHANNEL RESOURCE MAPPING COLLISION AVOIDANCE	10-2015-7024073	10-2015-0119889	KR	9/3/2015	10/26/2015
3831	DIAMETER/XML PROTOCOL CONVERSION	10-2015-7025773	10-2015-0121110	KR	9/18/2015	10/28/2015
3832	ARCHITECTURE FOR WEB-BASED REAL-TIME COMMUNICATIONS (WEBRTC) TO ACCESS INTERNET PROTOCOL MULTIMEDIA SUBSYSTEM (IMS)	10-2015-7026489	10-2015-0121190	KR	9/24/2015	10/28/2015
3833	GENERATION AND USE OF A USER EQUIPMENT LOCATION DISTRIBUTION IN A WIRELESS COMMUNICATION NETWORK	10-2015-7029686	10-2015-0139866	KR	10/15/2015	12/14/2015
3834	APPARATUS SYSTEM AND METHOD OF SELECTIVELY PROVIDING INTERNET PROTOCOL (IP) SESSION CONTINUITY	10-2015-7034544	10-2016-0005109	KR	12/3/2015	1/13/2016
3835	DYNAMICAL TIME DIVISION DUPLEX UPLINK AND DOWNLINK CONFIGURATION IN A COMMUNICATIONS NETWORK	10-2015-7036609	10-2016-0014003	KR	12/24/2015	2/5/2016
3836	MOBILE TERMINAL DEVICES AND METHODS OF PERFORMING RADIO MEASUREMENTS	10-2016-0064262	10-2017-0001571	KR		1/4/2017
3837	METHOD FOR PROCESSING RADIO SIGNALS AND MOBILE TERMINAL DEVICE	10-2016-0064375	10-2017-0001573	KR		1/4/2017
3838	USER EQUIPMENT DISTRIBUTION INFORMATION COLLECTION	10-2016-7000209	10-2016-0033686	KR	1/5/2016	3/28/2016
3839	POWER SAVING MODE OPTIMIZATIONS AND RELATED PROCEDURES	10-2016-7000316	10-2016-0021188	KR	1/6/2016	2/24/2016
3840	USER EQUIPMENT AND METHOD FOR PACKET BASED DEVICE-TO-DEVICE (D2D) DISCOVERY IN AN LTE NETWORK	10-2016-7000399	10-2016-0018723	KR	1/7/2016	2/17/2016
3841	SIGNALING FOR PROXIMITY SERVICES AND D2D DISCOVERY IN AN LTE NETWORK	10-2016-7000580	10-2016-0018779	KR	1/8/2016	2/17/2016
3842	DRX OPERATION FOR UL/DL RECONFIGURATION	10-2016-7001756	10-2016-0023821	KR	1/21/2016	3/3/2016

SCHEDULE A

No.	TITLE	Filing Number	Publication Number	Jurisdiction	Filing Date	Publication Date
3843	HARQ TIMELINES FOR TDDFDD CARRIER AGGREGATION	10-2016-7003003	10-2016-0027987	KR	2/2/2016	3/10/2016
3844	DELIVERY OF TARGETED MEDIA CONTENT	10-2016-7003883	10-2016-0034339	KR	2/16/2016	3/29/2016
3845	SYSTEMS METHODS AND DEVICES FOR TRAFFIC OFFLOADING	10-2016-7004870	10-2016-0035049	KR	2/24/2016	3/30/2016
3846	SIGNALING FOR INTER-CELL D2D DISCOVERY IN AN LTE NETWORK	10-2016-7004885	10-2016-0039235	KR	2/24/2016	4/8/2016
3847	USER EQUIPMENT AND PROTOCOL AND METHODS FOR DEVICE-TO-DEVICE COMMUNICATION	10-2016-7004997	10-2016-0037981	KR	2/25/2016	4/6/2016
3848	MOBILITY INFORMATION REPORTING	10-2016-7007342	10-2016-0045131	KR	3/21/2016	4/26/2016
3849	RESOURCE ALLOCATION FOR D2D DISCOVERY IN AN LTE NETWORK	10-2016-7008440	10-2016-0048952	KR	3/30/2016	5/4/2016
3850	DRX OPERATION FOR UL/DL RECONFIGURATION	10-2016-7011221	10-2016-0054615	KR	4/27/2016	5/16/2016
3851	SYSTEMS METHODS AND DEVICES TO SUPPORT A FAST TDD CONFIGURATION INDICATION	10-2016-7014593	10-2016-0083041	KR	6/1/2016	7/11/2016
3852	AUTONOMOUS ENHANCED NODE B	10-2016-7014653	10-2016-0082694	KR	6/1/2016	7/8/2016
3853	SYSTEMS METHODS AND DEVICES FOR APPLICATION AWARE ACCESS CONTROL FOR COMMUNICATION ON A MOBILE NETWORK	10-2016-7014656	10-2016-0081958	KR	6/1/2016	7/8/2016
3854	POWER HEADROOM REPORTING WITH DUAL CONNECTIVITY	10-2016-7014681	10-2016-0082536	KR	6/1/2016	7/8/2016
3855	CLIENT/SERVER SIGNALING COMMANDS FOR DASH	10-2016-7014895	10-2016-0106563	KR	6/3/2016	9/12/2016
3856	METHOD AND EVOLVED NODE-B FOR GEOGRAPHIC BIN DATA COLLECTION AND REPORTING	10-2016-7014910	10-2016-0083075	KR	6/3/2016	7/11/2016
3857	APPARATUS SYSTEM AND METHOD OF PROVIDING OFFLOADABILITY INFORMATION TO A USER-EQUIPMENT (UE)	10-2016-7014937	10-2016-0086356	KR	6/3/2016	7/19/2016
3858	SYSTEMS AND METHODS FOR MODULATION AND CODING SCHEME SELECTION AND CONFIGURATION	10-2016-7014955	10-2016-0083921	KR	6/3/2016	7/12/2016
3859	SYSTEMS METHODS AND DEVICES FOR ENHANCING SPECTRAL EFFICIENCY WITH NETWORK-ASSISTED ADVANCED RECEIVERS	10-2016-7014957	10-2016-0083082	KR	6/3/2016	7/11/2016
3860	SYSTEMS METHODS AND DEVICES FOR HYBRID FULL-DIMENSIONAL MULTIPLE-INPUT MULTIPLE-OUTPUT	10-2016-7014961	10-2016-0083083	KR	6/3/2016	7/11/2016
3861	SYSTEMS AND METHODS FOR MODULATION AND CODING SCHEME SELECTION AND CONFIGURATION	10-2016-7014976	10-2016-0083924	KR	6/3/2016	7/12/2016
3862	DISCONTINUOUS RECEPTION (DRX) ALIGNMENT TECHNIQUES FOR DUAL-CONNECTIVITY ARCHITECTURES	10-2016-7014978	10-2016-0083089	KR	6/3/2016	7/11/2016
3863	APPARATUS SYSTEM AND METHOD OF ACCESS NETWORK DISCOVERY AND SELECTION FUNCTION (ANDSF) FOR TRAFFIC OFFLOADING	10-2016-7015007	10-2016-0082699	KR	6/3/2016	7/8/2016

SCHEDULE A

No.	TITLE	Filing Number	Publication Number	Jurisdiction	Filing Date	Publication Date
3864	APPARATUS SYSTEM AND METHOD OF SECURING COMMUNICATIONS OF A USER EQUIPMENT (UE) IN A WIRELESS LOCAL AREA NETWORK	10-2016-7016805	10-2016-0090351	KR	6/23/2016	7/29/2016
3865	APPLICATION SPECIFIC CONGESTION CONTROL IN A WIRELESS NETWORK	10-2016-7017051	10-2016-0090882	KR	6/24/2016	8/1/2016
3866	USER EQUIPMENT COMPUTER READABLE MEDIUM AND METHOD TO DETERMINE THE MOBILITY OF USER EQUIPMENT IN A LONG-TERM EVOLUTION NETWORK	10-2016-7018031	10-2016-0095090	KR	7/5/2016	8/10/2016
3867	MEASUREMENT GAP PATTERNS	10-2016-7019557	10-2016-0101127	KR	7/19/2016	8/24/2016
3868	CIRCUIT SWITCHED FALLBACK	10-2016-7019855	10-2016-0106613	KR	7/20/2016	9/12/2016
3869	SCHEDULING FOR AN UNLICENSED CARRIER TYPE	10-2016-7019872	10-2016-0105818	KR	7/20/2016	9/7/2016
3870	USER EQUIPMENT AND EVOLVED NODE-B AND METHODS FOR RANDOM ACCESS FOR MACHINE TYPE COMMUNICATION	10-2016-7019873	10-2016-0110396	KR	7/20/2016	9/21/2016
3871	SIGNALING FOR PROXIMITY SERVICES AND D2D DISCOVERY IN AN LTE NETWORK	10-2016-7020017	10-2016-0091453	KR	7/21/2016	8/2/2016
3872	DEVICE SYSTEM AND METHOD OF CONFIGURING A RADIO TRANSCEIVER	10-2016-7020076	10-2016-0102516	KR	7/22/2016	8/30/2016
3873	SYSTEMS METHODS AND DEVICES FOR DEVICE-TO-DEVICE COMMUNICATION MODE SELECTION	10-2016-7020659	10-2016-0108383	KR	7/27/2016	9/19/2016
3874	METHOD AND EVOLVED NODE-B FOR GEOGRAPHIC BIN DATA COLLECTION AND REPORTING	10-2016-7020761	10-2016-0095188	KR	7/28/2016	8/10/2016
3875	APPARATUS SYSTEM AND METHOD OF IDENTIFYING A WIRELESS DOCKING STATION	10-2016-7021053	10-2016-0105501	KR	8/1/2016	9/6/2016
3876	SYSTEMS METHODS AND DEVICES FOR DEVICE-TO-DEVICE DISCOVERY AND COMMUNICATION	10-2016-7021763	10-2016-0106720	KR	8/9/2016	9/12/2016
3877	CONVEYANCE OF APPLICATION COMMUNICATION PATTERNS FROM AN EXTERNAL APPLICATION SERVER TO A 3RD GENERATION PARTNERSHIP PROJECT SYSTEM	10-2016-7021873	10-2016-0106731	KR	8/10/2016	9/12/2016
3878	APPARATUSES SYSTEMS AND METHODS FOR MEASURING QUALITY OF CELL DISCOVERY SIGNAL	10-2016-7021984	10-2016-0110440	KR	8/11/2016	9/21/2016
3879	SYSTEMS METHODS AND DEVICES FOR OPPORTUNISTIC NETWORKING	10-2016-7022013	10-2016-0108479	KR	8/11/2016	9/19/2016
3880	METHOD AND APPARATUS TO ASSIST NETWORK TRAFFIC	10-2016-7022061	10-2016-0108485	KR	8/11/2016	9/19/2016
3881	ENHANCED NODE B UE AND METHOD FOR SELECTING CELL DISCOVERY SIGNALS IN LTE NETWORKS	10-2016-7022071	10-2016-0108486	KR	8/11/2016	9/19/2016
3882	METHODS SYSTEMS AND DEVICES FOR MODULATION AND CODING SCHEME SIGNALING FOR COMMON CONTROL CHANNEL	10-2016-7022466	10-2016-0108544	KR	8/17/2016	9/19/2016

SCHEDULE A

No.	TITLE	Filing Number	Publication Number	Jurisdiction	Filing Date	Publication Date
3883	APPARATUS AND METHODS FOR REDUCING SOFT BUFFER SIZE IN MTC DEVICES	10-2016-7022565	10-2016-0110493	KR	8/18/2016	9/21/2016
3884	SYSTEMS DEVICES AND METHODS FOR INTERWORKING BETWEEN A UNIVERSAL MOBILE TELECOMMUNICATIONS SYSTEM (UMTS) NETWORK AND A WIRELESS LOCAL AREA NETWORK (WLAN)	10-2016-7022635	10-2016-0110993	KR	8/18/2016	9/23/2016
3885	REFERENCE SIGNAL ENHANCEMENT FOR SHARED CELL	10-2016-7022719	10-2016-0111971	KR	8/19/2016	9/27/2016
3886	APPARATUS SYSTEM AND METHOD OF SECURING COMMUNICATIONS OF A USER EQUIPMENT (UE) IN A WIRELESS LOCAL AREA NETWORK	10-2016-7022896	10-2016-0111033	KR	8/22/2016	9/23/2016
3887	TECHNIQUES FOR COORDINATED APPLICATION OF WIRELESS NETWORK SELECTION AND TRAFFIC ROUTING RULES	10-2016-7022956	10-2016-0114099	KR	8/23/2016	10/4/2016
3888	APPARATUSES SYSTEMS AND METHODS FOR DIFFERENTIATION OF PAYLOAD SIZE FOR D2D DISCOVERY	10-2016-7023081	10-2016-0111507	KR	8/23/2016	9/26/2016
3889	SYSTEMS METHODS AND DEVICES FOR DISTRIBUTED SETUP FOR A DEVICE-TO-DEVICE SESSION	10-2016-7023327	10-2016-0114119	KR	8/25/2016	10/4/2016
3890	USER EQUIPMENT GENERATION AND SIGNALING OF FEEDBACK FOR SUPPORTING ADAPTIVE DEMODULATION REFERENCE SIGNAL TRANSMISSION	10-2016-7023387	10-2016-0113259	KR	8/25/2016	9/28/2016
3891	METHOD AND APPARATUS FOR WI-FI LOCATION DETERMINATION	10-2016-7023628	10-2016-0114669	KR	8/26/2016	10/5/2016
3892	USER EQUIPMENT AND METHOD FOR PACKET BASED DEVICE-TO-DEVICE (D2D) DISCOVERY IN AN LTE NETWORK	10-2016-7024230	10-2016-0107354	KR	9/1/2016	9/13/2016
3893	LOAD BALANCING IN A WIRELESS CELLULAR NETWORK BASED ON USER EQUIPMENT MOBILITY	10-2016-7024473	10-2016-0117599	KR	9/5/2016	10/10/2016
3894	SYSTEM AND METHOD TO MEASURE AN ERROR RATE OF A WIRELESS LOCAL AREA NETWORK	10-2016-7025875	10-2016-0124204	KR	9/20/2016	10/26/2016
3895	CHANNEL RESERVATION FOR OPERATION IN AN UNLICENSED SPECTRUM	10-2016-7026030	10-2016-0126009	KR	9/21/2016	11/1/2016
3896	USER EQUIPMENT AND METHODS FOR HANDOVER INITIATION	10-2016-7026088	10-2016-0127048	KR	9/22/2016	11/2/2016
3897	NON-ORTHOGONAL MULTIPLE ACCESS (NOMA) WIRELESS SYSTEMS AND METHODS	10-2016-7026192	10-2016-0124223	KR	9/22/2016	10/26/2016
3898	USER EQUIPMENT AND METHODS FOR MEASUREMENT OF REFERENCE SIGNAL RECEIVED QUALITY	10-2016-7026200	10-2016-0127061	KR	9/22/2016	11/2/2016
3899	APPARATUS METHOD AND SYSTEM OF ESTABLISHING A CONNECTION BETWEEN A CELLULAR NODE AND A CORE NETWORK	10-2016-7026316	10-2016-0127068	KR	9/23/2016	11/2/2016

SCHEDULE A

No.	TITLE	Filing Number	Publication Number	Jurisdiction	Filing Date	Publication Date
3900	SIMULTANEOUS SCHEDULING REQUEST TRANSMISSION IN DUAL CONNECTIVITY	10-2016-7026648	10-2016-0128356	KR	9/27/2016	11/7/2016
3901	LISTEN BEFORE TALK PROTOCOL SELECTION	10-2016-7026655	10-2016-0127785	KR	9/27/2016	11/4/2016
3902	METHOD APPARATUS AND SYSTEM FOR MEASURING A POSITION OF A USER EQUIPMENT IN A WIRELESS NETWORK	10-2016-7026692	10-2016-0128360	KR	9/27/2016	11/7/2016
3903	CHANNEL ACCESS PRIORITY FOR DISTRIBUTED D2D	10-2016-7026719	10-2016-0127789	KR	9/27/2016	11/4/2016
3904	USER EQUIPMENT AND METHODS FOR HANDOVER USING MEASUREMENT REPORTING BASED ON MULTIPLE EVENTS	10-2016-7026796	10-2016-0128371	KR	9/27/2016	11/7/2016
3905	SOLUTION TO SKIP AUTHENTICATION PROCEDURE DURING CIRCUIT SWITCHED FALLBACK (CSFB) TO SHORTEN THE CALL SETUP TIME	10-2016-7026807	10-2016-0127792	KR	9/27/2016	11/4/2016
3906	TECHNIQUES FOR WIRELESS NETWORK DISCOVERY AND SELECTION SUPPORT	10-2016-7026924	10-2016-0117639	KR	9/28/2016	10/10/2016
3907	SYSTEMS METHODS AND DEVICES FOR CELL SELECTION BASED ON PRIORITIZED NODES	10-2016-7027571	10-2016-0131058	KR	10/5/2016	11/15/2016
3908	SYSTEMS METHODS AND DEVICES FOR CONFIGURING MEASUREMENT GAPS FOR DUAL CONNECTIVITY	10-2016-7027589	10-2016-0130286	KR	10/5/2016	11/10/2016
3909	SYSTEMS DEVICES AND METHODS FOR ALIGNMENT PROCEDURES IN DUAL-CONNECTIVITY NETWORKS	10-2016-7027711	10-2016-0132054	KR	10/6/2016	11/16/2016
3910	PRIORITIZED CELL IDENTIFICATION AND MEASUREMENT METHOD	10-2016-7027714	10-2016-0132055	KR	10/6/2016	11/16/2016
3911	SYSTEMS DEVICES AND METHODS FOR LONG TERM EVOLUTION AND WIRELESS LOCAL AREA INTERWORKING	10-2016-7027715	10-2016-0130301	KR	10/6/2016	11/10/2016
3912	APPARATUS SYSTEM AND METHOD OF COMMUNICATING WIRELESS LOCAL AREA NETWORK (WLAN) OFFLOADING INFORMATION BETWEEN CELLULAR MANAGERS	10-2016-7027718	10-2016-0130302	KR	10/6/2016	11/10/2016
3913	SYSTEMS METHODS AND DEVICES FOR PRIORITIZING INTER-FREQUENCY MEASUREMENTS	10-2016-7027743	10-2016-0130304	KR	10/6/2016	11/10/2016
3914	SYSTEMS METHODS AND DEVICES FOR FLEXIBLE RETRANSMISSIONS	10-2016-7027746	10-2016-0132058	KR	10/6/2016	11/16/2016
3915	TECHNIQUES TO MANAGE RADIO FREQUENCY CHAINS	10-2016-7027782	10-2016-0132059	KR	10/6/2016	11/16/2016
3916	SYSTEMS METHODS AND DEVICES FOR SYNCHRONIZATION SOURCE SELECTION FOR DEVICE-TO-DEVICE COMMUNICATION	10-2016-7027790	10-2016-0130479	KR	10/6/2016	11/11/2016
3917	TENTATIVE GRANT FOR EFFICIENT DEVICE TO DEVICE COMMUNICATIONS	10-2016-7027792	10-2016-0131067	KR	10/6/2016	11/15/2016

SCHEDULE A

No.	TITLE	Filing Number	Publication Number	Jurisdiction	Filing Date	Publication Date
3918	LAWFUL INTERCEPT REPORTING IN WIRELESS NETWORKS USING PUBLIC SAFETY RELAYS	10-2016-7027817	10-2016-0130309	KR	10/6/2016	11/10/2016
3919	MOBILITY MANAGEMENT ENTITY USER EQUIPMENT AND METHODS FOR MACHINE TYPE COMMUNICATION	10-2016-7027892	10-2016-0131077	KR	10/7/2016	11/15/2016
3920	USER EQUIPMENT AND METHODS TO INDICATE POWER SAVING MODE CONFIGURATION TO RAN NODES	10-2016-7028032	10-2016-0131092	KR	10/7/2016	11/15/2016
3921	COMMUNICATION SYSTEMS AND METHODS	10-2016-7030142	10-2016-0138536	KR	10/27/2016	12/5/2016
3922	DEVICES AND METHOD FOR RETRIEVING AND UTILIZING NEIGHBORING WLAN INFORMATION FOR LTE LAA OPERATION	10-2016-7030305	10-2016-0138556	KR	10/28/2016	12/5/2016
3923	EVOLVED NODE-B USER EQUIPMENT AND METHODS FOR HYBRID AUTOMATIC REPEAT REQUEST (HARQ) COMMUNICATION	10-2016-7030577	10-2016-0143717	KR	11/1/2016	12/14/2016
3924	PUCCH RESOURCE COMPRESSION FOR EPDCCH IN TDD MODE	10-2016-7032428	10-2016-0136472	KR	11/21/2016	11/29/2016
3925	COMMUNICATION SYSTEMS AND METHODS	10-2016-7032505	10-2016-0146899	KR	11/22/2016	12/21/2016
3926	LTE-U COMMUNICATION DEVICES AND METHODS FOR APERIODIC BEACON AND REFERENCE SIGNAL TRANSMISSION	10-2016-7032782	10-2016-0147907	KR	11/23/2016	12/23/2016
3927	METHODS APPARATUS OF ENB AND UE FOR MTC WITH NARROWBAND DEPLOYMENT	10-2016-7032947	10-2016-0147272	KR	11/24/2016	12/22/2016
3928	METHOD AND APPARATUS OF UE AND ENB FOR MTC WITH NARROWBAND DEPLOYMENT	10-2016-7032969	10-2016-0147274	KR	11/24/2016	12/22/2016
3929	SYSTEM AND METHOD FOR MEASUREMENT REPORTING IN AN UNLICENSED SPECTRUM	10-2016-7033401	10-2016-0147029	KR	11/29/2016	12/21/2016
3930	APPARATUSES SYSTEMS AND METHODS FOR PAGING ENHANCEMENTS FOR LOW COMPLEXITY USER EQUIPMENT	10-2016-7033444	10-2016-0147979	KR	11/29/2016	12/23/2016
3931	PREVENTING A MOBILE DEVICE FROM REPEATING A REQUEST TOWARD A MOBILE NETWORK	10-2016-7033483	10-2017-0002515	KR	11/29/2016	1/6/2017
3932	AN APPARATUS AND METHOD ENHANCING QUALITY OF SERVICE ARCHITECTURE FOR LTE	10-2016-7033491	10-2016-0145193	KR	11/29/2016	12/19/2016
3933	TECHNIQUES FOR SECURELY RECEIVING CRITICAL COMMUNICATION CONTENT ASSOCIATED WITH A CRITICAL COMMUNICATION SERVICE	10-2016-7033675	10-2017-0002532	KR	11/30/2016	1/6/2017
3934	SYSTEM AND METHOD FOR TDD COMMUNICATIONS	10-2016-7035195	10-2017-0007432	KR	12/15/2016	1/18/2017
3935	NEIGHBOR CELL SYSTEM INFORMATION PROVISIONING	10-2016-7035205	10-2017-0007433	KR	12/15/2016	1/18/2017

SCHEDULE A

No.	TITLE	Filing Number	Publication Number	Jurisdiction	Filing Date	Publication Date
3936	SYSTEMS APPARATUSES AND METHODS FOR LIGHTWEIGHT OVER-THE-AIR SIGNALING MECHANISMS IN DATA COMMUNICATIONS	10-2016-7035844	10-2017-0007469	KR	12/21/2016	1/18/2017
3937	SYSTEMS AND METHODS FOR VARIED CELL BARRING TIMES	10-2016-7036456	10-2017-0012430	KR	12/27/2016	2/2/2017
3938	REPORTING OF USER PLANE CONGESTION (UPCON) USING A UPCON CONTAINER	10-2017-7000154	10-2017-0005512	KR	1/3/2017	1/13/2017
3939	SYSTEMS METHODS AND DEVICES FOR PROXIMITY SERVICES FOR MULTI-CARRIER CAPABLE MOBILE DEVICES	10-2017-7001169	10-2017-0018055	KR	1/13/2017	2/15/2017
3940	METHODS AND APPARATUS OF EVOLVED NODE B AND USER EQUIPMENT FOR CAPABILITY INFORMATION SETTING	10-2017-7001448	10-2017-0018064	KR	1/17/2017	2/15/2017
3941	ARCHITECTURE FOR WEB-BASED REAL-TIME COMMUNICATIONS (WEBRTC) TO ACCESS INTERNET PROTOCOL MULTIMEDIA SUBSYSTEM (IMS)	10-2017-7001580	10-2017-0010448	KR	1/18/2017	1/31/2017
3942	PDCCH DESIGN FOR NARROWBAND DEPLOYMENT	10-2017-7001634	10-2017-0023101	KR	1/19/2017	3/2/2017
3943	VIRTUALIZED NETWORK FUNCTION MANAGEMENT	10-2017-7001641	10-2017-0021304	KR	1/19/2017	2/27/2017
3944	CONTROL OF TRAFFIC FROM APPLICATIONS WHEN THIRD PARTY SERVERS ENCOUNTER PROBLEMS	10-2017-7001680	10-2017-0023106	KR	1/19/2017	3/2/2017
3945	MODIFIED ARCHITECTURE FOR CLOUD RADIO ACCESS NETWORKS AND APPROACH FOR COMPRESSION OF FRONT-HAUL DATA	10-2017-7003529	10-2017-0028984	KR	2/8/2017	3/14/2017
3946	APPARATUS SYSTEM AND METHOD OF RELAY BACKHAULING WITH MILLIMETER WAVE CARRIER AGGREGATION	10-2017-7003723	10-2017-0030608	KR	2/9/2017	3/17/2017
3947	NETWORK FUNCTIONS VIRTUALIZATION	10-2017-7004352	10-2017-0037623	KR	2/16/2017	4/4/2017
3948	SYSTEM AND METHOD OF HANDLING UPLINK TRANSMISSION COLLISION FOR ENHANCED COVERAGE MODE UES	10-2017-7004605	10-2017-0037994	KR	2/20/2017	4/5/2017
3949	SYSTEMS AND METHODS FOR ACCESS NETWORK SELECTION AND TRAFFIC ROUTING	10-2017-7004651	10-2017-0021911	KR	2/20/2017	2/28/2017
3950	INCREASED CARRIER MONITORING	10-2017-7004957	10-2017-0036738	KR	2/22/2017	4/3/2017
3951	SMOOTH UE TRANSFER WITHIN AN EVOLVED PACKET CORE	10-2017-7004966	10-2017-0036739	KR	2/22/2017	4/3/2017
3952	TRANSMISSION OF COMMON CONTROL MESSAGES FOR MACHINE-TYPE COMMUNICATION (MTC) USER EQUIPMENTS WITH REDUCED BANDWIDTH	10-2017-7004980	10-2017-0039694	KR	2/22/2017	4/11/2017
3953	APPARATUS SYSTEM AND METHOD OF WIRELESS LOCAL AREA NETWORK (WLAN) SETTING OF A USER EQUIPMENT (UE)	10-2017-7005024	10-2017-0036741	KR	2/22/2017	4/3/2017

SCHEDULE A

No.	TITLE	Filing Number	Publication Number	Jurisdiction	Filing Date	Publication Date
3954	APPARATUSES SYSTEMS AND METHODS FOR PROBABILISTIC TRANSMISSION OF DEVICE-TO-DEVICE (D2D) DISCOVERY MESSAGES	10-2017-7005053	10-2017-0036744	KR	2/22/2017	4/3/2017
3955	CODEBOOK FOR FULL-DIMENSION MULTIPLE INPUT MULTIPLE OUTPUT COMMUNICATIONS	10-2017-7005064	10-2017-0034430	KR	2/22/2017	3/28/2017
3956	APPARATUS SYSTEM AND METHOD OF COMMUNICATING NON-CELLULAR ACCESS NETWORK INFORMATION OVER A CELLULAR NETWORK	10-2017-7005482	10-2017-0026640	KR	2/27/2017	3/8/2017
3957	METHODS AND APPARATUSES OF WLAN ALARM NOTIFICATION IN CELLULAR NETWORKS	10-2017-7005560	10-2017-0040295	KR	2/27/2017	4/12/2017
3958	MANAGEMENT TECHNIQUES FOR WIRELESS NETWORK MOBILITY PROCEDURES	10-2017-7005647	10-2017-0026655	KR	2/27/2017	3/8/2017
3959	MOBILE COMMUNICATION IN MACRO-CELL ASSISTED SMALL CELL NETWORKS	10-2017-7005748	10-2017-0042305	KR	2/28/2017	4/18/2017
3960	DOWNLINK CONTROL INFORMATION (DCI) DESIGN FOR LTE DEVICES	10-2017-7005883	10-2017-0039269	KR	3/2/2017	4/10/2017
3961	SYSTEMS AND METHODS FOR MANAGING CIRCUIT SWITCHED FALLBACK CALLS	10-2017-7005969	10-2017-0038905	KR	3/2/2017	4/7/2017
3962	ESTABLISHMENT OF CONNECTION TO THE INTERNET IN CELLULAR NETWORK	10-2017-7006236	10-2017-0029025	KR	3/6/2017	3/14/2017
3963	NETWORK ASSISTED DEVICE TO DEVICE DISCOVERY	10-2017-7006484	10-2017-0032479	KR	3/8/2017	3/22/2017
3964	CARRIAGE OF MEDIA CONTENT QUALITY INFORMATION	10-2017-7006760	10-2017-0044134	KR	3/10/2017	4/24/2017
3965	UPLINK TRAFFIC CONTROL METHOD IN TIGHTLY INTEGRATED WIFI/LTE	10-2017-7007075	10-2017-0044674	KR	3/15/2017	4/25/2017
3966	METHODS AND APPARATUSES FOR FLEXIBLE MOBILE STEERING IN CELLULAR NETWORKS	10-2017-7007267	10-2017-0045262	KR	3/16/2017	4/26/2017
3967	METHODS AND APPARATUSES TO FORM SELF-ORGANIZED MULTI-HOP MILLIMETER WAVE BACKHAUL LINKS	10-2017-7007695	10-2017-0044695	KR	3/21/2017	4/25/2017
3968	SYSTEMS METHODS AND APPARATUSES FOR BEARER SPLITTING IN MULTI-RADIO HETNET	10-2017-7007755	10-2017-0045281	KR	3/21/2017	4/26/2017
3969	CONNECTION CONTROL FOR MACHINE TYPE COMMUNICATION (MTC) DEVICES	10-2017-7007768	10-2017-0044705	KR	3/21/2017	4/25/2017
3970	WIRELESS LOCAL AREA NETWORK (WLAN) TRAFFIC LOAD MEASUREMENT PROVISIONING TO WIRELESS CELLULAR NETWORKS	10-2017-7008694	10-2017-0039757	KR	3/30/2017	4/11/2017
3971	GENERATION AND USE OF A USER EQUIPMENT LOCATION DISTRIBUTION IN A WIRELESS COMMUNICATION NETWORK	10-2017-7009537	10-2017-0041292	KR	4/7/2017	4/14/2017
3972	EARLY TERMINATION OF REPEATED TRANSMISSIONS FOR MTC	10-2017-7010882	10-2017-0062492	KR	4/21/2017	6/7/2017

SCHEDULE A

No.	TITLE	Filing Number	Publication Number	Jurisdiction	Filing Date	Publication Date
3973	DYNAMICAL TIME DIVISION DUPLEX UPLINK AND DOWNLINK CONFIGURATION IN A COMMUNICATIONS NETWORK	10-2017-7011695	10-2017-0051535	KR	4/28/2017	5/11/2017
3974	SYSTEMS AND METHODS FOR SIGNALING IN AN INCREASED CARRIER MONITORING WIRELESS COMMUNICATION ENVIRONMENT	10-2017-7011923	10-2017-0063914	KR	4/28/2017	6/8/2017
3975	INTERACTIVE VIDEO CONFERENCING	10-2017-7012608	10-2017-0091592	KR	5/10/2017	8/9/2017
3976	POWER SAVING MODE OPTIMIZATIONS AND RELATED PROCEDURES	10-2017-7013997	10-2017-0060182	KR	5/23/2017	5/31/2017
3977	NETWORK-INITIATED DISCOVERY AND PATH SELECTION PROCEDURES FOR MULTI-HOP UNDERLAY NETWORKS	10-2017-7014587	10-2017-0099877	KR	5/29/2017	9/1/2017
3978	PROVISIONING OF APPLICATION CATEGORIES AT A USER EQUIPMENT DURING NETWORK CONGESTION	10-2017-7015076	10-2017-0101904	KR	6/1/2017	9/6/2017
3979	TECHNIQUES FOR MONITORING VIRTUALIZED NETWORK FUNCTIONS OR NETWORK FUNCTIONS VIRTUALIZATION INFRASTRUCTURE	10-2017-7016037	10-2017-0104449	KR	6/12/2017	9/15/2017
3980	PUBLIC SAFETY DISCOVERY AND COMMUNICATION USING A UE-TO-UE RELAY	10-2017-7016257	10-2017-0104450	KR	6/14/2017	9/15/2017
3981	DEVICE AND METHOD TO IMPROVE HORIZONTAL AND VERTICAL POSITIONING ACCURACY	10-2017-7017362	10-2017-0107975	KR	6/23/2017	9/26/2017
3982	OTDOA (OBSERVED TIME DIFFERENCE OF ARRIVAL) POSITIONING ENHANCEMENT BY USING HETEROGENEOUS REFERENCE SIGNALS	10-2017-7017496	10-2017-0107434	KR	6/26/2017	9/25/2017
3983	POWER HEADROOM REPORTING WITH CHANNEL SELECTION	10-2017-7017895	10-2017-0109536	KR	6/28/2017	9/29/2017
3984	USER EQUIPMENT AND METHODS FOR MEASUREMENT OF REFERENCE SIGNAL RECEIVED QUALITY	10-2017-7018484	10-2017-0084339	KR	7/6/2017	7/19/2017
3985	SYSTEMS METHODS AND DEVICES FOR RADIO ACCESS TECHNOLOGY COORDINATION	10-2017-7021122	10-2017-0121742	KR	7/27/2017	11/2/2017
3986	SYSTEMS METHODS AND DEVICES FOR SECURE DEVICE-TO-DEVICE DISCOVERY AND COMMUNICATION	10-2017-7022257	10-2017-0128230	KR	8/9/2017	11/22/2017
3987	SYSTEMS METHODS AND DEVICES FOR TRAFFIC OFFLOADING	10-2017-7022466	10-2017-0096219	KR	8/10/2017	8/23/2017
3988	USER EQUIPMENT DISTRIBUTION INFORMATION COLLECTION	10-2017-7024217	10-2017-0102386	KR	8/29/2017	9/8/2017
3989	SYSTEMS AND METHODS FOR SIGNALING IN AN INCREASED CARRIER MONITORING WIRELESS COMMUNICATION ENVIRONMENT	10-2017-7024697	10-2017-0104642	KR	9/1/2017	9/15/2017
3990	RANDOM ACCESS PROCEDURE FOR ENHANCED COVERAGE SUPPORT	10-2017-7025077	10-2017-0137051	KR	9/6/2017	12/12/2017
3991	DEVICE SYSTEM AND METHOD OF CELL SPECIFIC PROBABILITY LOAD	10-2017-7025187	10-2017-0136508	KR	9/7/2017	12/11/2017

SCHEDULE A

No.	TITLE	Filing Number	Publication Number	Jurisdiction	Filing Date	Publication Date
	BALANCING					
3992	SIGNALLING FOR PER CARRIER-COMPONENT BASED ENHANCED MEASUREMENT GAP CONFIGURATION	10-2017-7025256	10-2017-0136509	KR	9/7/2017	12/11/2017
3993	METHODS APPARATUSES AND SYSTEMS FOR ENHANCEMENT OF EVOLVED PHYSICAL DOWNLINK CONTROL CHANNEL FOR MACHINE TYPE COMMUNICATIONS	10-2017-7025333	10-2017-0136511	KR	9/8/2017	12/11/2017
3994	USER EQUIPMENT RADIO-FREQUENCY AND BAND CAPABILITY FOR CARRIER AGGREGATION MEASUREMENT GAP	10-2017-7025372	10-2017-0137054	KR	9/8/2017	12/12/2017
3995	USER EQUIPMENT AND PROTOCOL AND METHODS FOR DEVICE-TO-DEVICE COMMUNICATION	10-2017-7025807	10-2017-0107583	KR	9/13/2017	9/25/2017
3996	DELIVERY OF TARGETED MEDIA CONTENT	10-2017-7029241	10-2017-0118245	KR	10/12/2017	10/24/2017
3997	MEASUREMENT METHOD IN CARRIER AGGREGATION AND ASYNCHRONOUS DUAL CONNECTIVITY	10-2017-7029479	10-2018-0006888	KR	10/13/2017	1/19/2018
3998	ATTENTION (AT) COMMANDS FOR PACKET DATA NETWORK CONNECTION OFFLOAD	10-2017-7029885	10-2018-0008418	KR	10/17/2017	1/24/2018
3999	SEAMLESS MOBILITY FOR 5G AND LTE SYSTEMS AND DEVICES	10-2017-7030944	10-2018-0013862	KR	10/26/2017	2/7/2018
4000	APPARATUS SYSTEM AND METHOD OF PROVIDING OFFLOADABILITY INFORMATION TO A USER-EQUIPMENT (UE)	10-2017-7032230	10-2017-0126034	KR	11/7/2017	11/15/2017
4001	DYNAMICAL TIME DIVISION DUPLEX UPLINK AND DOWNLINK CONFIGURATION IN A COMMUNICATIONS NETWORK	10-2017-7032362	10-2017-0127049	KR	11/8/2017	11/20/2017
4002	MOBILITY INFORMATION REPORTING	10-2017-7032441	10-2017-0127058	KR	11/9/2017	11/20/2017
4003	LOW OVERHEAD SYSTEM INFORMATION ACQUISITION FOR WIRELESS COMMUNICATION	10-2017-7032482	10-2018-0018492	KR	11/9/2017	2/21/2018
4004	ACK/NACK SIGNALS FOR NEXT GENERATION LTE DEVICES AND SYSTEMS	10-2017-7033099	10-2018-0018504	KR	11/15/2017	2/21/2018
4005	DRX OPERATION FOR UL/DL RECONFIGURATION	10-2017-7033368	10-2017-0130624	KR	11/17/2017	11/28/2017
4006	UE BASED D2D DISCOVERY	10-2017-7033831	10-2017-0132352	KR	11/22/2017	12/1/2017
4007	SYSTEMS METHODS AND DEVICES FOR OPPORTUNISTIC NETWORKING	10-2017-7034472	10-2017-0133534	KR	11/28/2017	12/5/2017
4008	APPARATUS SYSTEM AND METHOD OF ACCESS NETWORK DISCOVERY AND SELECTION FUNCTION (ANDSF) FOR TRAFFIC OFFLOADING	10-2017-7034678	10-2017-0137943	KR	11/30/2017	12/13/2017
4009	DYNAMIC PARTITION RESOURCE ALLOCATION IN 5G NETWORKS	10-2018-7002280	10-2018-0021832	KR	1/24/2018	3/5/2018
4010	DISTRIBUTED LINK SCHEDULING TECHNIQUE FOR DEVICE TO DEVICE COMMUNICATION	10-2018-7002737	10-2018-0022908	KR	1/29/2018	3/6/2018

SCHEDULE A

No.	TITLE	Filing Number	Publication Number	Jurisdiction	Filing Date	Publication Date
4011	CARRIER MEASUREMENTS FOR MULTI-CARRIER DEVICES	10-2018-7003465	10-2018-0028466	KR	2/5/2018	3/16/2018
4012	ARCHITECTURE FOR WEB-BASED REAL-TIME COMMUNICATIONS (WEBRTC) TO ACCESS INTERNET PROTOCOL MULTIMEDIA SUBSYSTEM (IMS)	10-2018-7004455	10-2018-0019770	KR	2/13/2018	2/26/2018
4013	SYSTEMS METHODS AND DEVICES FOR SYNCHRONIZATION SOURCE SELECTION FOR DEVICE-TO-DEVICE COMMUNICATION	10-2018-7004967	10-2018-0021915	KR	2/20/2018	3/5/2018
4014	LAYER 2 RELAY PROTOCOLS AND MOBILITY RELAY METHOD	10-2018-7005212	10-2018-0034524	KR	2/22/2018	4/4/2018
4015	APPARATUS SYSTEM AND METHOD OF COMMUNICATING BETWEEN A CELLULAR MANAGER AND A USER EQUIPMENT (UE) VIA A WLAN NODE	10-2018-7005368	10-2018-0034543	KR	2/23/2018	4/4/2018
4016	LAWFUL INTERCEPT REPORTING IN WIRELESS NETWORKS USING PUBLIC SAFETY RELAYS	10-2018-7007378	10-2018-0035921	KR	3/14/2018	4/6/2018
4017	MANAGEMENT TECHNIQUES FOR WIRELESS NETWORK MOBILITY PROCEDURES	10-2018-7007881	10-2018-0037276	KR	3/20/2018	4/11/2018
4018	SYSTEMS DEVICES AND METHODS FOR INTERWORKING BETWEEN A UNIVERSAL MOBILE TELECOMMUNICATIONS SYSTEM (UMTS) NETWORK AND A WIRELESS LOCAL AREA NETWORK (WLAN)	10-2018-7008074	10-2018-0033601	KR	3/21/2018	4/3/2018
4019	SIGNALING FOR INTER-CELL D2D DISCOVERY IN AN LTE NETWORK	10-2018-7009270	10-2018-0036804	KR	4/2/2018	4/9/2018
4020	SYSTEMS DEVICES AND METHODS FOR LONG TERM EVOLUTION AND WIRELESS LOCAL AREA INTERWORKING	10-2018-7009780	10-2018-0039749	KR	4/6/2018	4/18/2018
4021	TECHNIQUES FOR COORDINATED APPLICATION OF WIRELESS NETWORK SELECTION AND TRAFFIC ROUTING RULES	10-2018-7014336	10-2018-0056813	KR	5/21/2018	5/29/2018
4022	ESTABLISHMENT OF CONNECTION TO THE INTERNET IN CELLULAR NETWORK	10-2018-7014465	10-2018-0056820	KR	5/21/2018	5/29/2018
4023	SYSTEM AND METHOD TO MEASURE AN ERROR RATE OF A WIRELESS LOCAL AREA NETWORK	10-2018-7020869	10-2018-0086288	KR	7/19/2018	7/30/2018
4024	APPARATUSES AND METHODS FOR COMPENSATING PHASE FLUCTUATIONS	10-2018-7022929	10-2018-0115265	KR	8/9/2018	10/22/2018
4025	BEAMFORMING ARCHITECTURE FOR MULTI-BEAM MULTIPLE-INPUT-MULTIPLE-OUTPUT (MIMO)	10-2018-7025043	10-2018-0129774	KR	8/30/2018	12/5/2018
4026	ENHANCED NODE B UE AND METHOD FOR SELECTING CELL DISCOVERY SIGNALS IN LTE NETWORKS	10-2019-7030664	10-2019-0120455	KR	10/17/2019	10/23/2019
4027	RESOURCE ALLOCATION FOR D2D DISCOVERY IN AN LTE NETWORK			KR		
4028	AT COMMAND FOR SECURE ESM INFORMATION			KR		

SCHEDULE A

No.	TITLE	Filing Number	Publication Number	Jurisdiction	Filing Date	Publication Date
4029	SYSTEMS AND METHODS FOR MODULATION AND CODING SCHEME SELECTION AND CONFIGURATION	MX/A/2016/008343	MX/A/2016/008343	MX	6/22/2016	9/8/2016
4030	DEVICE SYSTEM AND METHOD OF CONFIGURING A RADIO TRANSCEIVER	MX/A/2016/009627	MX/A/2016/009627	MX	7/22/2016	2/13/2017
4031	APPARATUS AND METHODS FOR REDUCING SOFT BUFFER SIZE IN MTC DEVICES	MX/a/2016/010304	MX/a/2016/010304	MX	8/9/2016	1/11/2017
4032	SYSTEMS METHODS AND DEVICES FOR DEVICE-TO-DEVICE DISCOVERY AND COMMUNICATION	MX/a/2016/010305	MX/a/2016/010305	MX	8/9/2016	1/11/2017
4033	SYSTEMS METHODS AND DEVICES FOR DEVICE-TO-DEVICE COMMUNICATION MODE SELECTION	MX/a/2016/010306	MX/a/2016/010306	MX	8/9/2016	1/11/2017
4034	ENHANCED NODE B UE AND METHOD FOR SELECTING CELL DISCOVERY SIGNALS IN LTE NETWORKS	MX/A/2016/010562	MX/A/2016/010562	MX	8/12/2016	5/17/2017
4035	SYSTEMS DEVICES AND METHODS FOR INTERWORKING BETWEEN A UNIVERSAL MOBILE TELECOMMUNICATIONS SYSTEM (UMTS) NETWORK AND A WIRELESS LOCAL AREA NETWORK (WLAN)	MX/a/2016/010628	MX/a/2016/010628	MX	8/16/2016	10/26/2016
4036	TECHNIQUES FOR COORDINATED APPLICATION OF WIRELESS NETWORK SELECTION AND TRAFFIC ROUTING RULES	MX/a/2016/010795	MX/a/2016/010795	MX	8/18/2016	4/6/2017
4037	APPARATUS SYSTEM AND METHOD OF SECURING COMMUNICATIONS OF A USER EQUIPMENT (UE) IN A WIRELESS LOCAL AREA NETWORK	MX/A/2016/010889	MX/A/2016/010889	MX	8/22/2016	10/26/2016
4038	SOLUTION TO SKIP AUTHENTICATION PROCEDURE DURING CIRCUIT-SWITCHED FALLBACK (CSFB) TO SHORTEN CALL SETUP TIME	MX/a/2016/011261	MX/a/2016/011261	MX	8/30/2016	1/18/2017
4039	APPARATUSES SYSTEMS AND METHODS FOR MEASURING QUALITY OF CELL DISCOVERY SIGNAL	MX/A/2016/011303	MX/A/2016/011303	MX	8/31/2016	1/5/2017
4040	REFERENCE SIGNAL ENHANCEMENT FOR SHARED CELL	MX/A/2016/011306	MX/A/2016/011306	MX	8/31/2016	12/20/2016
4041	SYSTEM AND METHOD TO MEASURE AN ERROR RATE OF A WIRELESS LOCAL AREA NETWORK	MX/a/2016/012346	MX/a/2016/012346	MX	9/22/2016	6/30/2017
4042	CHANNEL ACCESS PRIORITY FOR DISTRIBUTED D2D	MX/a/2016/012755	MX/a/2016/012755	MX	9/28/2016	4/27/2017
4043	PRIORITIZED CELL IDENTIFICATION AND MEASUREMENT METHOD	MX/a/2016/013085	MX/a/2016/013085	MX	10/5/2016	4/27/2017
4044	SYSTEMS METHODS AND DEVICES FOR SYNCHRONIZATION SOURCE SELECTION FOR DEVICE-TO-DEVICE COMMUNICATION	MX/a/2016/013199	MX/a/2016/013199	MX	10/7/2016	4/27/2017
4045	SYSTEMS DEVICES AND METHODS FOR LONG TERM EVOLUTION AND WIRELESS LOCAL AREA INTERWORKING	MX/A/2016/013206	MX/A/2016/013206	MX	10/7/2016	8/4/2017
4046	COMMUNICATION SYSTEMS AND METHODS	MX/a/2016/014303	MX/a/2016/014303	MX	10/31/2016	6/12/2017

SCHEDULE A

No.	TITLE	Filing Number	Publication Number	Jurisdiction	Filing Date	Publication Date
4047	SIMULATION OF A MAXIMUM POWER OUTPUT OF A WIND TURBINE	MX/A/2017/000603		MX	1/13/2017	
4048	CODEBOOK FOR FULL-DIMENSION MULTIPLE INPUT MULTIPLE OUTPUT COMMUNICATIONS	MX/A/2017/001940	MX/A/2017/001940	MX	2/10/2017	5/4/2017
4049	DEVICE SYSTEM AND METHOD OF CONFIGURING A RADIO TRANSCEIVER	PI2016702658		MY	7/21/2016	
4050	CIRCUIT SWITCHED FALLBACK	PI2016702661		MY	7/21/2016	
4051	ENHANCED NODE B UE AND METHOD FOR SELECTING CELL DISCOVERY SIGNALS IN LTE NETWORKS	PI2016702912		MY	8/11/2016	
4052	SYSTEMS METHODS AND DEVICES FOR DEVICE-TO-DEVICE DISCOVERY AND COMMUNICATION	PI2016702919		MY	8/11/2016	
4053	APPARATUS SYSTEMS AND METHODS FOR MEASURING QUALITY OF CELL DISCOVERY SIGNAL	PI2016702922		MY	8/11/2016	
4054	SYSTEMS METHODS AND DEVICES FOR DEVICE-TO-DEVICE COMMUNICATION MODE SELECTION	PI2016702923		MY	8/11/2016	
4055	SYSTEMS DEVICES AND METHODS FOR INTERWORKING BETWEEN A UNIVERSAL MOBILE TELECOMMUNICATIONS SYSTEM (UMTS) NETWORK AND A WIRELESS LOCAL AREA NETWORK (WLAN)	PI2016702973		MY	8/16/2016	
4056	APPARATUS AND METHODS FOR REDUCING SOFT BUFFER SIZE IN MTC DEVICES	PI2016702978		MY	8/16/2016	
4057	REFERENCE SIGNAL ENHANCEMENT FOR SHARED CELL	PI2016702980		MY	8/16/2016	
4058	APPARATUS SYSTEM AND METHOD OF SECURING COMMUNICATIONS OF A USER EQUIPMENT (UE) IN A WIRELESS LOCAL AREA NETWORK	PI2016703059		MY	8/22/2016	
4059	TECHNIQUES FOR COORDINATED APPLICATION OF WIRELESS NETWORK SELECTION AND TRAFFIC ROUTING RULES	PI2016703060		MY	8/22/2016	
4060	SYSTEM AND METHOD TO MEASURE AN ERROR RATE OF A WIRELESS LOCAL AREA NETWORK	PI2016703514		MY	9/26/2016	
4061	SOLUTION TO SKIP AUTHENTICATION PROCEDURE DURING CIRCUIT-SWITCHED FALLBACK (CSFB) TO SHORTEN CALL SETUP TIME	PI2016703518		MY	9/26/2016	
4062	CHANNEL ACCESS PRIORITY FOR DISTRIBUTED D2D	PI2016703521		MY	9/26/2016	
4063	SYSTEMS METHODS AND DEVICES FOR SYNCHRONIZATION SOURCE SELECTION FOR DEVICE-TO-DEVICE COMMUNICATION	PI2016703697		MY	10/7/2016	
4064	SYSTEMS DEVICES AND METHODS FOR LONG TERM EVOLUTION AND WIRELESS LOCAL AREA INTERWORKING	PI2016703727		MY	10/8/2016	

SCHEDULE A

No.	TITLE	Filing Number	Publication Number	Jurisdiction	Filing Date	Publication Date
4065	PRIORITIZED CELL IDENTIFICATION AND MEASUREMENT METHOD	PI2016703728		MY	10/8/2016	
4066	COMMUNICATION SYSTEMS AND METHODS	PI2016703996		MY	10/31/2016	
4067	REFERENCE SIGNAL ENHANCEMENT FOR SHARED CELL	PI2017700344		MY	1/31/2017	
4068	SYSTEM AND METHOD FOR TUNING AN ANTENNA IN A WIRELESS COMMUNICATION DEVICE	121600852	2503701	NL		9/26/2012
4069	SYSTEM AND METHOD FOR REDUCING OR ELIMINATING TEMPERATURE DEPENDENCE OF A COHERENT RECEIVER IN A WIRELESS COMMUNICATION DEVICE	121780407	2560286	NL		2/20/2013
4070	CONTEXT-RETENTION CONTROLLER AND METHOD FOR CONTEXT RETENTION IN WIRELESS ACCESS NETWORKS	128463478	2774432	NL	4/15/2014	9/10/2014
4071	METHOD AND SYSTEM FOR CONTROLLING SIGNAL TRANSMISSION OF A WIRELESS COMMUNICATION DEVICE	131634487	2615735	NL		7/24/2013
4072	IMPROVED CHANNEL QUALITY INFORMATION FEEDBACK TECHNIQUE	138703111	2941833	NL		11/11/2015
4073	A METHOD AND SYSTEM FOR THE MANAGEMENT OF CELL INTERFERENCE IN A WIRELESS COMMUNICATION NETWORK	138705876	2944135	NL	6/10/2015	11/18/2015
4074	IMPROVED TECHNIQUES FOR USER PLANE CONGESTION MITIGATION	138710751	2944115	NL		11/18/2015
4075	CONTENT URL AUTHENTICATION FOR DASH	138719356	2946583	NL		11/25/2015
4076	APPARATUS SYSTEM AND METHOD OF COMMUNICATING NON-CELLULAR ACCESS NETWORK INFORMATION OVER A CELLULAR NETWORK	138721980	2946607	NL		11/25/2015
4077	NETWORK ASSISTED DEVICE TO DEVICE DISCOVERY	138753611	2959734	NL		12/30/2015
4078	SYSTEMS AND METHODS FOR ACCESS NETWORK SELECTION AND TRAFFIC ROUTING	138757877	2959726	NL		12/30/2015
4079	UE BASED D2D DISCOVERY	138757950	2959735	NL		12/30/2015
4080	USER EQUIPMENT WITH REDUCED POWER CONSUMPTION OPERATIONAL MODES	138760301	2959729	NL		12/30/2015
4081	MULTICAST-BASED GROUP COMMUNICATIONS IN AD HOC ARRANGEMENTS OF WIRELESS DEVICES	138763842	2962521	NL		1/6/2016
4082	WIRELESS LOCAL AREA NETWORK (WLAN) TRAFFIC OFFLOADING	138764816	2962485	NL		1/6/2016
4083	QUALITY-AWARE RATE ADAPTATION TECHNIQUES FOR DASH STREAMING	138805379	2979414	NL		2/3/2016
4084	EXTENDED PAGING DISCONTINUOUS RECEPTION (DRX) CYCLES IN WIRELESS COMMUNICATION NETWORKS	138806229	2979504	NL		2/3/2016

SCHEDULE A

No.	TITLE	Filing Number	Publication Number	Jurisdiction	Filing Date	Publication Date
4085	CONTROL OF WLAN SELECTION POLICIES IN ROAMING SCENARIOS	138806237	2979499	NL	8/27/2015	2/3/2016
4086	RADIO LINK MONITORING FOR EPDCCCH	138808100	2982154	NL		2/10/2016
4087	WIRELESS TRANSMISSION PRECODING	138829262	2989726	NL		3/2/2016
4088	SMALL DATA COMMUNICATIONS	138840335	2995019	NL		3/16/2016
4089	MULTIPLE RADIO LINK CONTROL (RLC) GROUPS	138845284	2997670	NL		3/23/2016
4090	LINK-AWARE STREAMING ADAPTATION	147566350	2962435	NL		1/6/2016
4091	RADIO ACCESS TECHNOLOGY SELECTION IN A HETEROGENEOUS NETWORK	147571194	2962497	NL		1/6/2016
4092	TECHNIQUES FOR WIRELESS NETWORK DISCOVERY AND SELECTION SUPPORT	147725709	2979497	NL		2/3/2016
4093	QUALITY OF EXPERIENCE AWARE MULTIMEDIA ADAPTIVE STREAMING	147742142	2979427	NL	8/24/2015	2/3/2016
4094	PROVISIONING OF APPLICATION CATEGORIES AT A USER EQUIPMENT DURING NETWORK CONGESTION	147760011	2979495	NL		2/3/2016
4095	NETWORK ASSISTED INTERFERENCE CANCELLATION AND SUPPRESSION WITH RESPECT TO INTERFERING CONTROL CHANNEL TRANSMISSIONS	147763288	2979413	NL		2/3/2016
4096	AN APPARATUS AND METHOD FOR CONGESTION CONTROL IN WIRELESS COMMUNICATION NETWORKS	147879878	2989829	NL		3/2/2016
4097	USER EQUIPMENT AND METHODS FOR ADAPTING SYSTEM PARAMETERS BASED ON EXTENDED PAGING CYCLES	147887418	2989842	NL		3/2/2016
4098	WIRELESS LOCAL AREA NETWORK (WLAN) SELECTION RULES	147888325	2989833	NL		3/2/2016
4099	THROUGHPUT CHARACTERIZATION	147949820	2995022	NL	10/16/2015	3/16/2016
4100	EFFICIENT USER SERVICE OR CONTENT REPRESENTATION FOR DEVICE COMMUNICATION	148035934	3005584	NL		4/13/2016
4101	USER EQUIPMENT AND METHODS FOR CODEBOOK SUBSAMPLING FOR ENHANCED 4TX CODEBOOKS	148044126	3005636	NL		4/13/2016
4102	APPARATUS SYSTEM AND METHOD OF SELECTIVELY PROVIDING INTERNET PROTOCOL (IP) SESSION CONTINUITY	148291107	3025533	NL		6/1/2016
4103	DOWNTILT SELECTION IN A FULL DIMENSIONAL MULTIPLE-INPUT MULTIPLE-OUTPUT SYSTEM	148291487	3025435	NL		6/1/2016
4104	COOPERATIVE MULTIPLE BEAM TRANSMISSION	148337041	3031145	NL		6/15/2016
4105	POWER SAVING MODE OPTIMIZATIONS AND RELATED PROCEDURES	148339278	3030950	NL		6/15/2016
4106	SIGNALING RADIO BEARER OPTIMIZATIONS AND OTHER TECHNIQUES FOR SUPPORTING SMALL DATA TRANSMISSIONS	148341522	3031284	NL		6/15/2016

SCHEDULE A

No.	TITLE	Filing Number	Publication Number	Jurisdiction	Filing Date	Publication Date
4107	USER EQUIPMENT AND METHOD FOR PACKET BASED DEVICE-TO-DEVICE (D2D) DISCOVERY IN AN LTE NETWORK	148347065	3031189	NL		6/15/2016
4108	COVERAGE EXTENSION LEVEL FOR COVERAGE LIMITED DEVICE	148347107	3031147	NL		6/15/2016
4109	METHOD APPARATUS AND SYSTEM FOR ELECTRICAL DOWNTILT ADJUSTMENT IN A MULTIPLE INPUT MULTIPLE OUTPUT SYSTEM	148347701	3031146	NL		6/15/2016
4110	METHOD AND SYSTEM OF ADVANCED INTERFERENCE CANCELLATION ON PDSCH AT THE UE	148347768	3031152	NL		6/15/2016
4111	SIGNALING FOR PROXIMITY SERVICES AND D2D DISCOVERY IN AN LTE NETWORK	148350218	3031272	NL		6/15/2016
4112	COVERAGE EXTENSION LEVEL FOR COVERAGE LIMITED DEVICE	148351059	3031150	NL		6/15/2016
4113	NETWORK MANAGEMENT	148354210	3031295	NL		6/15/2016
4114	TECHNIQUES AND CONFIGURATIONS ASSOCIATED WITH MACHINE TYPE COMMUNICATION IN ENHANCED COVERAGE MODE	148451743	3047579	NL		7/27/2016
4115	CONGESTION MEASUREMENT AND REPORTING FOR REAL-TIME DELAY-SENSITIVE APPLICATIONS	148454549	3047672	NL		7/27/2016
4116	CONGESTION CONTROL FOR SHORT MESSAGE SERVICE IN 3RD GENERATION PARTNERSHIP PROJECT (3GPP) SYSTEMS	148462658	3047674	NL		7/27/2016
4117	TRANSMISSION OF PHYSICAL BROADCAST CHANNEL (PBCH) CONTENTS	148464258	3047581	NL		7/27/2016
4118	USER EQUIPMENT AND METHODS FOR FAST HANDOVER FAILURE RECOVERY IN 3GPP LTE NETWORK	148465529	3047679	NL		7/27/2016
4119	GENERATION OF RANDOM ACCESS PREAMBLES	148466865	3047600	NL		7/27/2016
4120	MITIGATION OF TRAFFIC CONGESTION IN DUAL CONNECTIVITY SYSTEMS	148470339	3050348	NL		8/3/2016
4121	SYSTEMS METHODS AND DEVICES WITH DIFFERENT RADIO LINK FAILURE TIMERS BASED ON USER EQUIPMENT SPEED	148478043	3064027	NL		9/7/2016
4122	SYSTEMS METHODS AND DEVICES FOR TRAFFIC OFFLOADING	148482250	3050349	NL		8/3/2016
4123	REDUCTION OF PACKET RETRANSMISSIONS IN DUAL CONNECTIVITY SYSTEMS	148483605	3050352	NL		8/3/2016
4124	SIGNALING EXTENDED EARFCN AND E-UTRA BANDS IN UMTS NETWORKS	148569197	3064012	NL		9/7/2016
4125	SYSTEMS METHODS AND DEVICES FOR EFFICIENT DEVICE-TO-DEVICE CHANNEL CONTENTION	148581481	3064016	NL		9/7/2016
4126	RESOURCE SELECTION IN DEVICE TO DEVICE COMMUNICATION	148583065	3064007	NL		9/7/2016

SCHEDULE A

No.	TITLE	Filing Number	Publication Number	Jurisdiction	Filing Date	Publication Date
4127	USER EQUIPMENT AND EVOLVED NODE-B AND METHODS FOR OPERATION IN A COVERAGE ENHANCEMENT MODE	148588601	3063883	NL		9/7/2016
4128	USER EQUIPMENT AND METHODS OF BEARER OPERATION FOR CARRIER AGGREGATION	148591456	3063982	NL		9/7/2016
4129	TECHNIQUES AND CONFIGURATIONS ASSOCIATED WITH USER EQUIPMENT-INITIATED CONGESTION REPORTING	148592835	3063980	NL		9/7/2016
4130	METHOD AND EVOLVED NODE-B FOR GEOGRAPHIC BIN DATA COLLECTION AND REPORTING	148773344	3092842	NL		11/16/2016
4131	SYSTEM AND METHOD FOR TUNING AN ANTENNA IN A WIRELESS COMMUNICATION DEVICE	151713989	2947781	NL		11/25/2015
4132	PHASE TRACKER FOR A PHASE LOCKED LOOP	151814787	3001567	NL		3/30/2016
4133	APPARATUS AND METHODS FOR A CAPACITIVE DIGITAL-TO- ANALOG CONVERTER BASED POWER AMPLIFIER	151943966	3035526	NL		6/22/2016
4134	METHOD FOR SHARING A WIRELESS TRANSMISSION MEDIUM IN A TERMINAL DEVICE AND WIRELESS COMMUNICATION DEVICE AND WIRELESS COMMUNICATION CIRCUIT RELATED THERETO	152019667	3185646	NL		6/28/2017
4135	APPARATUS SYSTEM AND METHOD OF PROVIDING OFFLOADABILITY INFORMATION TO A USER-EQUIPMENT (UE)	157331240	3092845	NL		11/16/2016
4136	SYSTEMS AND METHODS FOR MODULATION AND CODING SCHEME SELECTION AND CONFIGURATION	157332461	3092761	NL		11/16/2016
4137	SYSTEMS METHODS AND DEVICES FOR ENHANCING SPECTRAL EFFICIENCY WITH NETWORK-ASSISTED ADVANCED RECEIVERS	157332735	3092728	NL		11/16/2016
4138	DISCONTINUOUS RECEPTION (DRX) ALIGNMENT TECHNIQUES FOR DUAL-CONNECTIVITY ARCHITECTURES	157333139	3092854	NL		11/16/2016
4139	APPARATUSES SYSTEMS AND METHODS FOR PAGING ENHANCEMENTS FOR LOW COMPLEXITY USER EQUIPMENT	157382177	3165017	NL		5/10/2017
4140	ENABLING D2D FUNCTIONALITY FOR PUBLIC SAFETY APPLICATIONS	157437674	3100522	NL		12/7/2016
4141	APPARATUS SYSTEM AND METHOD OF CONTROLLING RADIO ACCESS TECHNOLOGY (RAT) COMMUNICATION MANAGERS	157440033	3100583	NL		12/7/2016
4142	DOWNLINK CONTROL INFORMATION (DCI) DESIGN FOR LTE DEVICES	157483660	3202073	NL		8/9/2017
4143	SCHEDULING FOR AN UNLICENSED CARRIER TYPE	157524422	3111569	NL		1/4/2017
4144	CIRCUIT SWITCHED FALLBACK	157525577	3111699	NL		1/4/2017

SCHEDULE A

No.	TITLE	Filing Number	Publication Number	Jurisdiction	Filing Date	Publication Date
4145	USER EQUIPMENT COMPUTER READABLE MEDIUM AND METHOD TO DETERMINE THE MOBILITY OF USER EQUIPMENT IN A LONG-TERM EVOLUTION NETWORK	157527573	3111692	NL		1/4/2017
4146	SYSTEMS METHODS AND DEVICES FOR DEVICE-TO-DEVICE COMMUNICATION MODE SELECTION	157616236	3117673	NL		1/18/2017
4147	SYSTEMS METHODS AND DEVICES FOR DEVICE-TO-DEVICE DISCOVERY AND COMMUNICATION	157619610	3117543	NL		1/18/2017
4148	SMOOTH UE TRANSFER WITHIN AN EVOLVED PACKET CORE	157628652	3198941	NL		8/2/2017
4149	METHODS SYSTEMS AND DEVICES FOR MODULATION AND CODING SCHEME SIGNALING FOR COMMON CONTROL CHANNEL	157652991	3120477	NL		1/25/2017
4150	SYSTEMS METHODS AND DEVICES FOR RADIO ACCESS TECHNOLOGY COORDINATION	157714718	3262887	NL		1/3/2018
4151	USER EQUIPMENT AND METHODS FOR HANDOVER INITIATION	157822800	3135058	NL		3/1/2017
4152	USER EQUIPMENT AND METHODS FOR MEASUREMENT OF REFERENCE SIGNAL RECEIVED QUALITY	157853805	3138316	NL		3/8/2017
4153	SYSTEMS METHODS AND DEVICES FOR DIRECT DEVICE TO DEVICE COMMUNICATION USING ENCAPSULATION	157910936	3248437	NL		11/29/2017
4154	DEVICES AND METHOD FOR RETRIEVING AND UTILIZING NEIGHBORING WLAN INFORMATION FOR LTE LAA OPERATION	158028233	3149993	NL		4/5/2017
4155	VIRTUAL MOBILE MANAGEMENT ENTITY MANAGEMENT	158288944	3329703	NL		6/6/2018
4156	MEASUREMENT GAP ENHANCEMENT TO REDUCE MEASUREMENT DELAY	158288969	3295704	NL		3/21/2018
4157	VIRTUALIZED NETWORK FUNCTION MANAGEMENT	158304634	3178199	NL		6/14/2017
4158	NETWORK DISCOVERY AND BEAM ACQUISITION FOR BEAM CELLOPERATION	158346924	3329608	NL		6/6/2018
4159	SYSTEM AND METHOD OF HANDLING UPLINK TRANSMISSION COLLISION FOR ENHANCED COVERAGE MODE UES	158446815	3198778	NL		8/2/2017
4160	UPLINK TRAFFIC CONTROL METHOD IN TIGHTLY INTEGRATED WIFI/LTE	158508911	3207738	NL		8/23/2017
4161	QUANTIZED EIGEN BEAMS FOR CONTROLLING ANTENNA ARRAY ELEMENTS IN A WIRELESS NETWORK	158600882	3221982	NL		9/27/2017
4162	PDCP STATUS REPORTING FOR MULTI-RAT OFFLOADING	158927913	3298820	NL		3/28/2018
4163	HYSTERETIC CURRENT CONTROL WITH EVENT DITHERING	161523279	3068045	NL		9/14/2016

SCHEDULE A

No.	TITLE	Filing Number	Publication Number	Jurisdiction	Filing Date	Publication Date
4164	METHOD AND DEVICE FOR PROTECTING A DATA TRANSPORT BLOCK AGAINST MEMORY ERRORS AND TRANSMISSION ERRORS	161536420	3070865	NL		9/21/2016
4165	MAPPING DATA PRIORITY TO CHANNEL QUALITY IN UPLINK CARRIER AGGREGATION	161536776	3070871	NL		9/21/2016
4166	PHASED ARRAY WEIGHTING FOR POWER EFFICIENCY IMPROVEMENT WITH HIGH PEAK-TO-AVERAGE POWER RATIO SIGNALS	161539010	3073572	NL		9/28/2016
4167	ADJUSTING POWER AMPLIFIER STIMULI BASED ON OUTPUT SIGNALS	161545793	3070839	NL		9/21/2016
4168	APPARATUSES AND METHODS FOR COMPENSATING PHASE FLUCTUATIONS	161598743	3217554	NL		9/13/2017
4169	APPARATUSES AND METHODS FOR GENERATING A SECOND DIGITAL SIGNAL BASED ON A FIRST DIGITAL SIGNAL	161632534	3226499	NL		10/4/2017
4170	COMMUNICATION TERMINAL AND METHOD FOR ESTABLISHING A CSFB CALL	161641279	3091784	NL		11/9/2016
4171	METHOD AND DEVICE FOR MITIGATING INTERFERENCE DUE TO A WIRELESS CHARGING SIGNAL	161687496	3244542	NL		11/15/2017
4172	INTERACTIVE ZOOMING IN VIDEO CONFERENCING	161688809	3094063	NL		11/16/2016
4173	TECHNIQUES FOR WIRELESS NETWORK DISCOVERY AND SELECTION SUPPORT	161690441	3086602	NL		10/26/2016
4174	DRX OPERATION FOR UL/DL RECONFIGURATION	161702980	3101824	NL		12/7/2016
4175	Architecture and Control of Analog Self-Interference Cancellation	161711882	3110018	NL		12/28/2016
4176	DEVICE AND METHOD FOR RECOVERING SERVICES FROM NETWORK REJECTIONS TO WIRELESS COMMUNICATION DEVICES	161723937	3253172	NL		12/6/2017
4177	COMMUNICATION TERMINAL AND METHOD FOR USING A SHARED RADIO COMMUNICATION COMPONENT	161761184	3261401	NL		12/27/2017
4178	METHOD AND DEVICE FOR MITIGATING INTERFERENCE IN COLLOCATED TRANSCEIVERS	161774773	3264619	NL		1/3/2018
4179	DECODING DEVICE AND METHOD USING CONTEXT REDUNDANCY	161799705	3273604	NL		1/24/2018
4180	HYBRID I/Q AND POLAR TRANSMITTER	161845367	3148093	NL		3/29/2017
4181	APPARATUSES AND METHODS FOR MEASURING NEIGHBORING INTER-FREQUENCY OR INTER-RAT CELLS	161910120	3301975	NL		4/4/2018
4182	METHOD AND DEVICE FOR PROVIDING CQI REPORTS	161917497	3301839	NL		4/4/2018
4183	A RECEIVER A METHOD FOR CONTROLLING A RECEIVER AND A MOBILE COMMUNICATIONS DEVICE	161917752	3301818	NL		4/4/2018

SCHEDULE A

No.	TITLE	Filing Number	Publication Number	Jurisdiction	Filing Date	Publication Date
4184	DOCKING STATION AND METHOD TO CONNECT TO A DOCKING STATION	161961305	3179332	NL		6/14/2017
4185	ARCHITECTURE AND CONTROL OF HYBRID COUPLER BASED ANALOG SELF-INTERFERENCE CANCELLATION	161984331	3185427	NL		6/28/2017
4186	ANTENNA ARRANGEMENT	161987573	3185358	NL		6/28/2017
4187	RADIO RESOURCE MANAGEMENT (RRM) REPORTING FOR LICENSED ASSISTED ACCESS (LAA)	167060672	3251402	NL		12/6/2017
4188	RANDOM ACCESS PROCEDURE FOR ENHANCED COVERAGE SUPPORT	167060896	3281482	NL		2/14/2018
4189	DETERMINATION OF NUMBER OF PHYSICAL UPLINK CONTROL CHANNEL REPETITIONS FOR MACHINE TYPE COMMUNICATIONS	167167592	3353935	NL		8/1/2018
4190	CONFIGURING DOWNLINK LISTEN-BEFORE-TALK PRIORITY CLASS FOR UPLINK GRANT TRANSMISSION IN LICENSED ASSISTED ACCESS	167816131	3369283	NL		9/5/2018
4191	USER EQUIPMENT WITH ADAPTIVE TRANSMISSION POWER SCALING BASED ON DECODING CONFIDENCE	171559800	3361790	NL		8/15/2018
4192	EFFICIENT BEAM SEARCH METHODS FOR THREE-DIMENSIONAL BEAMFORMING WITH NON-PRECODED REFERENCE SIGNALS	171640972	3382904	NL		10/3/2018
4193	METHODS AND DEVICES FOR PERFORMING CIRCUIT-SWITCHED FALLBACK	171652902	3242508	NL		11/8/2017
4194	SIGNALING FOR PROXIMITY SERVICES AND D2D DISCOVERY IN AN LTE NETWORK	171654403	3209039	NL		8/23/2017
4195	APPARATUS SYSTEM AND METHOD OF COMMUNICATING NON-CELLULAR ACCESS NETWORK INFORMATION OVER A CELLULAR NETWORK	171696610	3226595	NL		10/4/2017
4196	MULTIPLE MODULATED SPUR CANCELLATION APPARATUS	171697204	3255801	NL		12/13/2017
4197	COVERAGE EXTENSION LEVEL FOR COVERAGE LIMITED DEVICE	171705387	3229517	NL		10/11/2017
4198	METHODS AND DEVICES FOR PERFORMING DUPLEX MODE DETECTION	171706245	3258620	NL		12/20/2017
4199	COMMUNICATION DEVICE AND METHOD FOR DECODING DATA FROM A NETWORK	171726003	3261279	NL		12/27/2017
4200	SHORT RANGE RADIO COMMUNICATION DEVICE AND A METHOD OF CONTROLLING A SHORT RANGE RADIO COMMUNICATION DEVICE	171779820	3264625	NL		1/3/2018
4201	UE BASED D2D DISCOVERY	172007726	3300398	NL		3/28/2018
4202	QUALITY OF EXPERIENCE AWARE MULTIMEDIA ADAPTIVE STREAMING	172083990	3324599	NL		5/23/2018

SCHEDULE A

No.	TITLE	Filing Number	Publication Number	Jurisdiction	Filing Date	Publication Date
4203	DISCONTINUOUS RECEPTION (DRX) ALIGNMENT TECHNIQUES FOR DUAL-CONNECTIVITY ARCHITECTURES	181813247	3402302	NL		11/14/2018
4204	METHODS AND DEVICES INDICATING AT LEAST ONE OF A TEMPERATURE AND FREQUENCY DEVIATION			NL		
4205	IMPROVED HANDOVER WITH PING PONG AVOIDANCE IN A WIRELESS NETWORK			NL		
4206	APPARATUS SYSTEM AND METHOD OF CELLULAR NETWORK COMMUNICATIONS CORRESPONDING TO A NON-CELLULAR NETWORK			NL		
4207	WIRELESS LOCAL AREA NETWORK (WLAN) TRAFFIC LOAD MEASUREMENT PROVISIONING TO WIRELESS CELLULAR NETWORKS			NL		
4208	PHYSICAL RESOURCE BLOCK (PRB)-RESTRICTED INTERFERENCE AVERAGING IN A WIRELESS COMMUNICATION SYSTEM			NL		
4209	PHYSICAL RESOURCE BLOCK (PRB)-RESTRICTED INTERFERENCE AVERAGING IN A WIRELESS COMMUNICATION SYSTEM			NL		
4210	SYSTEMS METHODS AND DEVICES FOR SELECTIVE INTERFERENCE COORDINATION IN A CELLULAR PROTOCOL			NL		
4211	APPLICATION SPECIFIC CONGESTION CONTROL IN A WIRELESS NETWORK			NL		
4212	SECURITY KEY REFRESH FOR DUAL CONNECTIVITY			NL		
4213	TECHNIQUES FOR DEVICE-TO-DEVICE COMMUNICATIONS			NL		
4214	COVERAGE ENHANCEMENT AND SEMI-PERSISTENT SCHEDULING SUPPORT IN LTE-TDD SYSTEMS			NL		
4215	RADIO COMMUNICATION DEVICE AND METHOD FOR OPERATION THEREOF			NL		
4216	PRIORITIZED CELL IDENTIFICATION AND MEASUREMENT METHOD			NL		
4217	APPARATUS SYSTEM AND METHOD OF ACCESS NETWORK DISCOVERY AND SELECTION FUNCTION (ANDSF) FOR TRAFFIC OFFLOADING			NL		
4218	POWER HEADROOM REPORTING WITH DUAL CONNECTIVITY			NL		
4219	CONTROL OF TRAFFIC FROM APPLICATIONS WHEN THIRD PARTY SERVERS ENCOUNTER PROBLEMS			NL		
4220	METHODS AND APPARATUS OF EVOLVED NODE B AND USER EQUIPMENT FOR CAPABILITY INFORMATION SETTING			NL		
4221	METHOD FOR PROCESSING RADIO SIGNALS AND MOBILE TERMINAL			NL		

SCHEDULE A

No.	TITLE	Filing Number	Publication Number	Jurisdiction	Filing Date	Publication Date
	DEVICE					
4222	CONTENTION FREE PHYSICAL UPLINK SHARED CONTROL CHANNEL (PUSCH) TRANSMISSION USING LISTEN BEFORE TALK			NL		
4223	ATTENTION (AT) COMMANDS FOR PACKET DATA NETWORK CONNECTION OFFLOAD			NL		
4224	CONVERGENCE LAYER FOR 5G COMMUNICATION SYSTEMS			NL		
4225	COMMUNICATION TERMINAL AND METHOD FOR RECEIVING DATA			NL		
4226	RADIO COMMUNICATION DEVICES AND METHODS FOR PERFORMING WIRELESS PEER-TO-PEER DISCOVERY			NL		
4227	METHODS AND DEVICES FOR CELL SEARCH			NL		
4228	SYSTEM AND METHOD FOR EMERGENCY SECURE USER PLANE LOCATION POSITIONING			NL		
4229	RESTORING VIRTUAL NETWORK FUNCTION (VNF) PERFORMANCE VIA VNF RESET OF LIFECYCLE MANAGEMENT			NL		
4230	APPARATUS OF A USER EQUIPMENT ADAPTED FOR RECEIVING EMERGENCY NOTIFICATION INFORMATION USED IN MOBILE COMMUNICATION AND METHOD FOR RECEIVING EMERGENCY NOTIFICATION INFORMATION			NL		
4231	METHOD AND DEVICE FOR GAIN ADJUSTMENT IN MOBILITY MEASUREMENTS			NL		
4232	SYSTEMS AND METHODS FOR CENTRALIZED AND DECENTRALIZED COMMUNICATION MODES FOR V2X SERVICES			NL		
4233	DIGITAL-CENTRIC FULL-DUPLEX ARCHITECTURE			NL		
4234	HARQ TIMELINES FOR TDDFDD CARRIER AGGREGATION	2016107020	2016107020	RU	2/26/2016	8/29/2017
4235	SYSTEMS AND METHODS FOR MODULATION AND CODING SCHEME SELECTION AND CONFIGURATION	2016122272	2016122272	RU	6/6/2016	12/11/2017
4236	APPARATUS SYSTEM AND METHOD OF PROVIDING OFFLOADABILITY INFORMATION TO A USER-EQUIPMENT (UE)	2016122302		RU	6/6/2016	
4237	SYSTEMS AND METHODS FOR MODULATION AND CODING SCHEME SELECTION AND CONFIGURATION	2016122515		RU	6/6/2016	
4238	CIRCUIT SWITCHED FALLBACK	2016130277	2016130277	RU	7/22/2016	1/25/2018
4239	DEVICE SYSTEM AND METHOD OF CONFIGURING A RADIO TRANSCEIVER	2016130293	2016130293	RU	7/22/2016	1/26/2018

SCHEDULE A

No.	TITLE	Filing Number	Publication Number	Jurisdiction	Filing Date	Publication Date
4240	SYSTEMS METHODS AND DEVICES FOR DEVICE-TO-DEVICE DISCOVERY AND COMMUNICATION	2016133041	2016133041	RU	8/10/2016	2/16/2018
4241	SYSTEMS METHODS AND DEVICES FOR DEVICE-TO-DEVICE COMMUNICATION MODE SELECTION	2016133197	2016133197	RU	8/11/2016	2/16/2018
4242	APPARATUSES SYSTEMS AND METHODS FOR MEASURING QUALITY OF CELL DISCOVERY SIGNAL	2016133203		RU	8/11/2016	
4243	ENHANCED NODE B UE AND METHOD FOR SELECTING CELL DISCOVERY SIGNALS IN LTE NETWORKS	2016133291		RU	8/12/2016	
4244	SYSTEMS DEVICES AND METHODS FOR INTERWORKING BETWEEN A UNIVERSAL MOBILE TELECOMMUNICATIONS SYSTEM (UMTS) NETWORK AND A WIRELESS LOCAL AREA NETWORK (WLAN)	2016133746		RU	8/18/2016	
4245	REFERENCE SIGNAL ENHANCEMENT FOR SHARED CELL	2016134127	2016134127	RU	8/19/2016	2/22/2018
4246	APPARATUS AND METHODS FOR REDUCING SOFT BUFFER SIZE IN MTC DEVICES	2016134135	2016134135	RU	8/19/2016	2/22/2018
4247	APPARATUS SYSTEM AND METHOD OF SECURING COMMUNICATIONS OF A USER EQUIPMENT (UE) IN A WIRELESS LOCAL AREA NETWORK	2016134557		RU	8/24/2016	
4248	TECHNIQUES FOR COORDINATED APPLICATION OF WIRELESS NETWORK SELECTION AND TRAFFIC ROUTING RULES	2016134573		RU	8/24/2016	
4249	SOLUTION TO SKIP AUTHENTICATION PROCEDURE DURING CIRCUIT SWITCHED FALLBACK (CSFB) TO SHORTEN THE CALL SETUP TIME	2016138433		RU	9/28/2016	
4250	CHANNEL ACCESS PRIORITY FOR DISTRIBUTED D2D	2016138442	2016138442	RU	9/28/2016	4/2/2018
4251	SYSTEM AND METHOD TO MEASURE AN ERROR RATE OF A WIRELESS LOCAL AREA NETWORK	2016138443	2016138443	RU	9/28/2016	4/2/2018
4252	SYSTEMS DEVICES AND METHODS FOR LONG TERM EVOLUTION AND WIRELESS LOCAL AREA INTERWORKING	2016139434		RU	10/7/2016	
4253	SYSTEMS METHODS AND DEVICES FOR SYNCHRONIZATION SOURCE SELECTION FOR DEVICE-TO-DEVICE COMMUNICATION	2016139438	2016139438	RU	10/7/2016	4/11/2018
4254	LAWFUL INTERCEPT REPORTING IN WIRELESS NETWORKS USING PUBLIC SAFETY RELAYS	2016139439	2016139439	RU	10/7/2016	4/10/2018
4255	PRIORITIZED CELL IDENTIFICATION AND MEASUREMENT METHOD	2016139444		RU	10/7/2016	
4256	SYSTEMS AND METHODS FOR MODULATION AND CODING SCHEME SELECTION AND CONFIGURATION	2016141393		RU	10/21/2016	

SCHEDULE A

No.	TITLE	Filing Number	Publication Number	Jurisdiction	Filing Date	Publication Date
4257	COMMUNICATION SYSTEMS AND METHODS	2016143196	2016143196	RU	11/2/2016	5/10/2018
4258	SYSTEMS AND METHODS FOR MODULATION AND CODING SCHEME SELECTION AND CONFIGURATION	2017100324		RU	1/10/2017	
4259	REFERENCE SIGNAL ENHANCEMENT FOR SHARED CELL	2017101071	2017101071	RU	1/13/2017	12/28/2018
4260	CODEBOOK FOR FULL-DIMENSION MULTIPLE INPUT MULTIPLE OUTPUT COMMUNICATIONS	2017105769		RU	2/21/2017	
4261	INCREASED CARRIER MONITORING	2017105871	2017105871	RU	2/22/2017	9/10/2018
4262	SYSTEMS AND METHODS FOR MANAGING CIRCUIT SWITCHED FALLBACK CALLS	2017106810		RU	3/2/2017	
4263	METHODS AND APPARATUSES OF WLAN ALARM NOTIFICATION IN CELLULAR NETWORKS	2017107800		RU	3/10/2017	
4264	METHODS AND APPARATUSES FOR FLEXIBLE MOBILE STEERING IN CELLULAR NETWORKS	2017108822	2017108822	RU	3/17/2017	9/18/2018
4265	SYSTEMS METHODS AND DEVICES FOR DEVICE-TO-DEVICE DISCOVERY AND COMMUNICATION	2017111067		RU	4/3/2017	
4266	SYSTEMS METHODS AND DEVICES FOR DEVICE-TO-DEVICE COMMUNICATION MODE SELECTION	2017111077		RU	4/3/2017	
4267	APPARATUS SYSTEM AND METHOD OF PROVIDING OFFLOADABILITY INFORMATION TO A USER-EQUIPMENT (UE)	2017131248		RU	9/5/2017	
4268	ENHANCED NODE B UE AND METHOD FOR SELECTING CELL DISCOVERY SIGNALS IN LTE NETWORKS	2017138393		RU	11/3/2017	
4269	APPARATUSES SYSTEMS AND METHODS FOR MEASURING QUALITY OF CELL DISCOVERY SIGNAL	2017140834		RU	11/23/2017	
4270	SYSTEMS AND METHODS FOR MODULATION AND CODING SCHEME SELECTION AND CONFIGURATION	2018101307		RU	1/15/2018	
4271	SYSTEMS AND METHODS FOR MODULATION AND CODING SCHEME SELECTION AND CONFIGURATION	2018109329		RU	3/16/2018	
4272	CODEBOOK FOR FULL-DIMENSION MULTIPLE INPUT MULTIPLE OUTPUT COMMUNICATIONS	2018118837	2018118837	RU	5/22/2018	11/2/2018
4273	SYSTEMS METHODS AND DEVICES FOR TRAFFIC OFFLOADING	148482250	3050349	SI		8/3/2016
4274	CONTEXT-RETENTION CONTROLLER AND METHOD FOR CONTEXT RETENTION IN WIRELESS ACCESS NETWORKS	128463478	2774432	SK	4/15/2014	9/10/2014
4275	A METHOD AND SYSTEM FOR THE MANAGEMENT OF CELL INTERFERENCE IN A WIRELESS COMMUNICATION NETWORK	138705876	2944135	SK	6/10/2015	11/18/2015

SCHEDULE A

No.	TITLE	Filing Number	Publication Number	Jurisdiction	Filing Date	Publication Date
4276	IMPROVED TECHNIQUES FOR USER PLANE CONGESTION MITIGATION	138710751	2944115	SK		11/18/2015
4277	CONTENT URL AUTHENTICATION FOR DASH	138719356	2946583	SK		11/25/2015
4278	APPARATUS SYSTEM AND METHOD OF COMMUNICATING NON-CELLULAR ACCESS NETWORK INFORMATION OVER A CELLULAR NETWORK	138721980	2946607	SK		11/25/2015
4279	NETWORK ASSISTED DEVICE TO DEVICE DISCOVERY	138753611	2959734	SK		12/30/2015
4280	UE BASED D2D DISCOVERY	138757950	2959735	SK		12/30/2015
4281	USER EQUIPMENT WITH REDUCED POWER CONSUMPTION OPERATIONAL MODES	138760301	2959729	SK		12/30/2015
4282	MULTICAST-BASED GROUP COMMUNICATIONS IN AD HOC ARRANGEMENTS OF WIRELESS DEVICES	138763842	2962521	SK		1/6/2016
4283	QUALITY-AWARE RATE ADAPTATION TECHNIQUES FOR DASH STREAMING	138805379	2979414	SK		2/3/2016
4284	EXTENDED PAGING DISCONTINUOUS RECEPTION (DRX) CYCLES IN WIRELESS COMMUNICATION NETWORKS	138806229	2979504	SK		2/3/2016
4285	CONTROL OF WLAN SELECTION POLICIES IN ROAMING SCENARIOS	138806237	2979499	SK	8/27/2015	2/3/2016
4286	RADIO LINK MONITORING FOR EPDCCH	138808100	2982154	SK		2/10/2016
4287	SMALL DATA COMMUNICATIONS	138840335	2995019	SK		3/16/2016
4288	MULTIPLE RADIO LINK CONTROL (RLC) GROUPS	138845284	2997670	SK		3/23/2016
4289	LINK-AWARE STREAMING ADAPTATION	147566350	2962435	SK		1/6/2016
4290	RADIO ACCESS TECHNOLOGY SELECTION IN A HETEROGENEOUS NETWORK	147571194	2962497	SK		1/6/2016
4291	TECHNIQUES FOR WIRELESS NETWORK DISCOVERY AND SELECTION SUPPORT	147725709	2979497	SK		2/3/2016
4292	QUALITY OF EXPERIENCE AWARE MULTIMEDIA ADAPTIVE STREAMING	147742142	2979427	SK	8/24/2015	2/3/2016
4293	PROVISIONING OF APPLICATION CATEGORIES AT A USER EQUIPMENT DURING NETWORK CONGESTION	147760011	2979495	SK		2/3/2016
4294	NETWORK ASSISTED INTERFERENCE CANCELLATION AND SUPPRESSION WITH RESPECT TO INTERFERING CONTROL CHANNEL TRANSMISSIONS	147763288	2979413	SK		2/3/2016
4295	AN APPARATUS AND METHOD FOR CONGESTION CONTROL IN WIRELESS COMMUNICATION NETWORKS	147879878	2989829	SK		3/2/2016
4296	THROUGHPUT CHARACTERIZATION	147949820	2995022	SK	10/16/2015	3/16/2016
4297	USER EQUIPMENT AND METHODS FOR CODEBOOK SUBSAMPLING FOR ENHANCED 4TX CODEBOOKS	148044126	3005636	SK		4/13/2016

SCHEDULE A

No.	TITLE	Filing Number	Publication Number	Jurisdiction	Filing Date	Publication Date
4298	APPARATUS SYSTEM AND METHOD OF SELECTIVELY PROVIDING INTERNET PROTOCOL (IP) SESSION CONTINUITY	148291107	3025533	SK		6/1/2016
4299	DOWNTILT SELECTION IN A FULL DIMENSIONAL MULTIPLE-INPUT MULTIPLE-OUTPUT SYSTEM	148291487	3025435	SK		6/1/2016
4300	COOPERATIVE MULTIPLE BEAM TRANSMISSION	148337041	3031145	SK		6/15/2016
4301	SIGNALING RADIO BEARER OPTIMIZATIONS AND OTHER TECHNIQUES FOR SUPPORTING SMALL DATA TRANSMISSIONS	148341522	3031284	SK		6/15/2016
4302	METHOD APPARATUS AND SYSTEM FOR ELECTRICAL DOWNTILT ADJUSTMENT IN A MULTIPLE INPUT MULTIPLE OUTPUT SYSTEM	148347701	3031146	SK		6/15/2016
4303	METHOD AND SYSTEM OF ADVANCED INTERFERENCE CANCELLATION ON PDSCH AT THE UE	148347768	3031152	SK		6/15/2016
4304	SIGNALING FOR PROXIMITY SERVICES AND D2D DISCOVERY IN AN LTE NETWORK	148350218	3031272	SK		6/15/2016
4305	NETWORK MANAGEMENT	148354210	3031295	SK		6/15/2016
4306	TECHNIQUES AND CONFIGURATIONS ASSOCIATED WITH MACHINE TYPE COMMUNICATION IN ENHANCED COVERAGE MODE	148451743	3047579	SK		7/27/2016
4307	CONGESTION MEASUREMENT AND REPORTING FOR REAL-TIME DELAY-SENSITIVE APPLICATIONS	148454549	3047672	SK		7/27/2016
4308	CONGESTION CONTROL FOR SHORT MESSAGE SERVICE IN 3RD GENERATION PARTNERSHIP PROJECT (3GPP) SYSTEMS	148462658	3047674	SK		7/27/2016
4309	USER EQUIPMENT AND METHODS FOR FAST HANDOVER FAILURE RECOVERY IN 3GPP LTE NETWORK	148465529	3047679	SK		7/27/2016
4310	GENERATION OF RANDOM ACCESS PREAMBLES	148466865	3047600	SK		7/27/2016
4311	SYSTEMS METHODS AND DEVICES WITH DIFFERENT RADIO LINK FAILURE TIMERS BASED ON USER EQUIPMENT SPEED	148478043	3064027	SK		9/7/2016
4312	SYSTEMS METHODS AND DEVICES FOR TRAFFIC OFFLOADING	148482250	3050349	SK		8/3/2016
4313	REDUCTION OF PACKET RETRANSMISSIONS IN DUAL CONNECTIVITY SYSTEMS	148483605	3050352	SK		8/3/2016
4314	SIGNALING EXTENDED EARFCN AND E-UTRA BANDS IN UMTS NETWORKS	148569197	3064012	SK		9/7/2016
4315	SYSTEMS METHODS AND DEVICES FOR EFFICIENT DEVICE-TO-DEVICE CHANNEL CONTENTION	148581481	3064016	SK		9/7/2016
4316	RESOURCE SELECTION IN DEVICE TO DEVICE COMMUNICATION	148583065	3064007	SK		9/7/2016

SCHEDULE A

No.	TITLE	Filing Number	Publication Number	Jurisdiction	Filing Date	Publication Date
4317	USER EQUIPMENT AND EVOLVED NODE-B AND METHODS FOR OPERATION IN A COVERAGE ENHANCEMENT MODE	148588601	3063883	SK		9/7/2016
4318	USER EQUIPMENT AND METHODS OF BEARER OPERATION FOR CARRIER AGGREGATION	148591456	3063982	SK		9/7/2016
4319	METHOD AND EVOLVED NODE-B FOR GEOGRAPHIC BIN DATA COLLECTION AND REPORTING	148773344	3092842	SK		11/16/2016
4320	APPARATUS SYSTEM AND METHOD OF PROVIDING OFFLOADABILITY INFORMATION TO A USER-EQUIPMENT (UE)	157331240	3092845	SK		11/16/2016
4321	SYSTEMS AND METHODS FOR MODULATION AND CODING SCHEME SELECTION AND CONFIGURATION	157332461	3092761	SK		11/16/2016
4322	DISCONTINUOUS RECEPTION (DRX) ALIGNMENT TECHNIQUES FOR DUAL-CONNECTIVITY ARCHITECTURES	157333139	3092854	SK		11/16/2016
4323	DOWNLINK CONTROL INFORMATION (DCI) DESIGN FOR LTE DEVICES	157483660	3202073	SK		8/9/2017
4324	SCHEDULING FOR AN UNLICENSED CARRIER TYPE	157524422	3111569	SK		1/4/2017
4325	CIRCUIT SWITCHED FALLBACK	157525577	3111699	SK		1/4/2017
4326	USER EQUIPMENT COMPUTER READABLE MEDIUM AND METHOD TO DETERMINE THE MOBILITY OF USER EQUIPMENT IN A LONG-TERM EVOLUTION NETWORK	157527573	3111692	SK		1/4/2017
4327	SYSTEMS METHODS AND DEVICES FOR DEVICE-TO-DEVICE COMMUNICATION MODE SELECTION	157616236	3117673	SK		1/18/2017
4328	SYSTEMS METHODS AND DEVICES FOR DEVICE-TO-DEVICE DISCOVERY AND COMMUNICATION	157619610	3117543	SK		1/18/2017
4329	SMOOTH UE TRANSFER WITHIN AN EVOLVED PACKET CORE	157628652	3198941	SK		8/2/2017
4330	METHODS SYSTEMS AND DEVICES FOR MODULATION AND CODING SCHEME SIGNALING FOR COMMON CONTROL CHANNEL	157652991	3120477	SK		1/25/2017
4331	SYSTEMS METHODS AND DEVICES FOR RADIO ACCESS TECHNOLOGY COORDINATION	157714718	3262887	SK		1/3/2018
4332	USER EQUIPMENT AND METHODS FOR HANDOVER INITIATION	157822800	3135058	SK		3/1/2017
4333	USER EQUIPMENT AND METHODS FOR MEASUREMENT OF REFERENCE SIGNAL RECEIVED QUALITY	157853805	3138316	SK		3/8/2017
4334	SYSTEMS METHODS AND DEVICES FOR DIRECT DEVICE TO DEVICE COMMUNICATION USING ENCAPSULATION	157910936	3248437	SK		11/29/2017

SCHEDULE A

No.	TITLE	Filing Number	Publication Number	Jurisdiction	Filing Date	Publication Date
4335	DEVICES AND METHOD FOR RETRIEVING AND UTILIZING NEIGHBORING WLAN INFORMATION FOR LTE LAA OPERATION	158028233	3149993	SK		4/5/2017
4336	MEASUREMENT GAP ENHANCEMENT TO REDUCE MEASUREMENT DELAY	158288969	3295704	SK		3/21/2018
4337	VIRTUALIZED NETWORK FUNCTION MANAGEMENT	158304634	3178199	SK		6/14/2017
4338	NETWORK DISCOVERY AND BEAM ACQUISITION FOR BEAM CELLOPERATION	158346924	3329608	SK		6/6/2018
4339	INTERACTIVE ZOOMING IN VIDEO CONFERENCING	161688809	3094063	SK		11/16/2016
4340	TECHNIQUES FOR WIRELESS NETWORK DISCOVERY AND SELECTION SUPPORT	161690441	3086602	SK		10/26/2016
4341	DRX OPERATION FOR UL/DL RECONFIGURATION	161702980	3101824	SK		12/7/2016
4342	RADIO RESOURCE MANAGEMENT (RRM) REPORTING FOR LICENSED ASSISTED ACCESS (LAA)	167060672	3251402	SK		12/6/2017
4343	DETERMINATION OF NUMBER OF PHYSICAL UPLINK CONTROL CHANNEL REPETITIONS FOR MACHINE TYPE COMMUNICATIONS	167167592	3353935	SK		8/1/2018
4344	SIGNALING FOR PROXIMITY SERVICES AND D2D DISCOVERY IN AN LTE NETWORK	171654403	3209039	SK		8/23/2017
4345	UE BASED D2D DISCOVERY	172007726	3300398	SK		3/28/2018
4346	APPARATUS SYSTEM AND METHOD OF CELLULAR NETWORK COMMUNICATIONS CORRESPONDING TO A NON-CELLULAR NETWORK			SK		
4347	CONTROL OF TRAFFIC FROM APPLICATIONS WHEN THIRD PARTY SERVERS ENCOUNTER PROBLEMS			SK		
4348	TECHNIQUES AND SYSTEMS FOR EXTENDED DISCONTINUOUS RECEPTION	103100202	201448548	TW		12/16/2014
4349	METHOD APPARATUS AND SYSTEM FOR HANDLING IN-DEVICE COEXISTENCE INTERFERENCE IN A WIRELESS NETWORK	103101130	201434285	TW		9/1/2014
4350	SYSTEMS AND METHODS FOR WLAN NETWORK SELECTION	103103167	201436601	TW		9/16/2014
4351	SYSTEMS AND METHODS FOR ACCESS NETWORK SELECTION AND TRAFFIC ROUTING	103103565	201503720	TW		1/16/2015
4352	REPORTING OF USER PLANE CONGESTION (UPCON) USING A UPCON CONTAINER	103103566	201446024	TW		12/1/2014
4353	EXTENDED PAGING DISCONTINUOUS RECEPTION (DRX) CYCLES IN WIRELESS COMMUNICATION NETWORKS	103111024	201505470	TW		2/1/2015
4354	LOW POWER DEVICE TO DEVICE TRANSMISSION	103111025	201446068	TW		12/1/2014

SCHEDULE A

No.	TITLE	Filing Number	Publication Number	Jurisdiction	Filing Date	Publication Date
4355	QUALITY OF EXPERIENCE AWARE MULTIMEDIA ADAPTIVE STREAMING	103111028	201515452	TW		4/16/2015
4356	QUALITY-AWARE RATE ADAPTATION TECHNIQUES FOR DASH STREAMING	103111064	201445991	TW		12/1/2014
4357	CONTROL OF WLAN SELECTION POLICIES IN ROAMING SCENARIOS	103111080	201446039	TW		12/1/2014
4358	WIRELESS LOCAL AREA NETWORK (WLAN) SELECTION RULES	103111226	201446027	TW		12/1/2014
4359	METHOD APPARATUS AND NON-TRANSITORY COMPUTER READABLE MEDIA FOR UPLINK ENHANCEMENTS FOR EFFICIENT OPERATION IN SMALL CELL ENVIRONMENTS	103111441	201507381	TW		2/16/2015
4360	HANDOVER OF USER EQUIPMENT WITH NON-GBR BEARERS	103111449	201503721	TW		1/16/2015
4361	WIRELESS LOCAL AREA NETWORK ELEMENT MANAGER INTEGRATION REFERENCE POINT MANAGER METHOD FOR COMMUNICATION AND COMPUTER-READABLE STORAGE MEDIUM	103111451	201446025	TW		12/1/2014
4362	PROVISIONING OF APPLICATION CATEGORIES AT A USER EQUIPMENT DURING NETWORK CONGESTION	103111452	201503726	TW		1/16/2015
4363	HARQ TIMING DESIGN FOR A TDD SYSTEM	103111466	201445917	TW		12/1/2014
4364	CONNECTION MANAGEMENT TECHNIQUES FOR WIRELESS NETWORK MOBILITY PROCEDURES	103111743	201505471	TW		2/1/2015
4365	TECHNIQUES FOR WIRELESS NETWORK DISCOVERY AND SELECTION SUPPORT	103111759	201446040	TW		12/1/2014
4366	FAST RADIO LINK RECOVERY FOR LTE NETWORKS	103112121	201446028	TW		12/1/2014
4367	PAGING REPETITION FOR INCREASED ROBUSTNESS FOR EXTENDED PAGING CYCLES	103112140	201507501	TW		2/16/2015
4368	NETWORK-ASSISTED LTE CHANNEL ACQUISITION	103112287	201507534	TW		2/16/2015
4369	APPARATUS SYSTEM AND METHOD OF CELLULAR NETWORK COMMUNICATIONS CORRESPONDING TO A NON-CELLULAR NETWORK	103112288	201505403	TW		2/1/2015
4370	VIRTUAL CARRIER SENSING MECHANISM FOR LONG TERM EVOLUTION (LTE)	103112289	201507387	TW		2/16/2015
4371	ENHANCED NODE B AND METHOD FOR RRC CONNECTION ESTABLISHMENT FOR SMALL DATA TRANSFERS	103112303	201446056	TW		12/1/2014
4372	DUAL CONNECTIVITY FOR TERMINALS SUPPORTING ONE UPLINK CARRIER	103112307	201445961	TW		12/1/2014
4373	INTERNET PROTOCOL (IP) MULTIMEDIA SUBSYSTEM (IMS) BASED PEER-TO-PEER (P2P) CONTENT DISTRIBUTION	103112537	201507499	TW		2/16/2015

SCHEDULE A

No.	TITLE	Filing Number	Publication Number	Jurisdiction	Filing Date	Publication Date
4374	APPARATUS SYSTEM AND METHOD OF USER-EQUIPMENT (UE) CENTRIC TRAFFIC ROUTING	103112548	201446043	TW		12/1/2014
4375	DIAMETER/XML PROTOCOL CONVERSION	103113447	201507511	TW		2/16/2015
4376	WIRELESS TRANSMISSION PRECODING	103113450	201448505	TW		12/16/2014
4377	RADIO ACCESS TECHNOLOGY INFORMATION STORAGE IN A MOBILE NETWORK	103113700	201501498	TW		1/1/2015
4378	SHARED SPECTRUM REASSIGNMENT IN A SPECTRUM SHARING CONTEXT	103113871	201511591	TW		3/16/2015
4379	SYSTEMS AND METHODS USING A CENTRALIZED NODE TO COLLECT RAN USER PLANE CONGESTION INFORMATION	103113872	201509204	TW		3/1/2015
4380	SYSTEM AND METHOD FOR INTERFERENCE CANCELLATION AND/OR SUPPRESSION ON PHYSICAL DOWNLINK SHARED CHANNEL AT THE USER EQUIPMENT	103113875	201507374	TW		2/16/2015
4381	ARCHITECTURE FOR WEB-BASED REAL-TIME COMMUNICATIONS (WEBRTC) TO ACCESS INTERNET PROTOCOL MULTIMEDIA SUBSYSTEM (IMS)	103113876	201513672	TW		4/1/2015
4382	AN APPARATUS AND METHOD FOR CONGESTION CONTROL IN WIRELESS COMMUNICATION NETWORKS	103113897	201446026	TW		12/1/2014
4383	INTERACTIVE ZOOMING IN VIDEO CONFERENCING	103113898	201507480	TW		2/16/2015
4384	SYSTEMS METHODS AND DEVICES FOR DISTRIBUTED SCHEDULING FOR DEVICE-TO-DEVICE INTERFERENCE MITIGATION	103114205	201507388	TW		2/16/2015
4385	GENERATION AND USE OF A USER EQUIPMENT LOCATION DISTRIBUTION IN A WIRELESS COMMUNICATION NETWORK	103114970	201448650	TW		12/16/2014
4386	METHODS APPARATUSES AND SYSTEMS FOR RETRIEVING DATA FROM A WIRELESS LOCAL AREA NETWORK (WLAN) ACCESS POINT	103115176	201509221	TW		3/1/2015
4387	NETWORK ASSISTED DEVICE TO DEVICE COMMUNICATION	103115376	201509222	TW		3/1/2015
4388	MULTIPLE RADIO LINK CONTROL (RLC) GROUPS	103115834	201448538	TW		12/16/2014
4389	DATA RETRANSMISSIONS IN AN ANCHOR-BOOSTER NETWORK	103116395	201507508	TW		2/16/2015
4390	PROXIMITY-BASED SERVICES DISCOVERY PRIVACY	103118240	201511584	TW		3/16/2015
4391	USER EQUIPMENT (UE) ENHANCED NODE B (eNode B) AND METHOD IN A COMMUNICATIONS NETWORK	103124271	201521495	TW		6/1/2015
4392	NETWORK COVERAGE HOLE DETECTION	103124393	201519668	TW		5/16/2015
4393	EVOLVED NODE B AND USER EQUIPMENT WITH EFFICIENT SMALL CELL DISCOVERY AND STORAGE	103124910	201521483	TW		6/1/2015

SCHEDULE A

No.	TITLE	Filing Number	Publication Number	Jurisdiction	Filing Date	Publication Date
	MEDIA THEREOF					
4394	USER EQUIPMENT AND METHOD FOR PACKET BASED DEVICE-TO-DEVICE (D2D) DISCOVERY IN AN LTE NETWORK	103125302	201521505	TW		6/1/2015
4395	SERVER AND USER EQUIPMENT OF ENABLING DIRECT TRANSPORT LAYER CONNECTIVITY AND COMPUTER PROGRAM PRODUCT THEREOF	103125303	201517577	TW		5/1/2015
4396	DRX OPERATION FOR UL/DL RECONFIGURATION	103130108	201526691	TW		7/1/2015
4397	METHOD USER EQUIPMENT AND COMPUTER-READABLE STORAGE MEDIUM FOR OFFLOADING CELLULAR TRAFFIC TO WIRELESS LOCAL AREA NETWORK TRAFFIC	103133285	201534080	TW		9/1/2015
4398	METHOD AND EVOLVED NODE-B FOR GEOGRAPHIC BIN DATA COLLECTION AND REPORTING	103142203	201536069	TW		9/16/2015
4399	SYSTEMS AND METHODS FOR MODULATION AND CODING SCHEME SELECTION AND CONFIGURATION	104100267	201547308	TW		12/16/2015
4400	SYSTEMS METHODS AND DEVICES TO SUPPORT A FAST TDD CONFIGURATION INDICATION	104100268	201541984	TW		11/1/2015
4401	SYSTEMS METHODS AND DEVICES FOR HYBRID FULL-DIMENSIONAL MULTIPLE-INPUT MULTIPLE-OUTPUT	104100269	201532402	TW		8/16/2015
4402	SYSTEMS METHODS AND DEVICES FOR APPLICATION AWARE ACCESS CONTROL FOR COMMUNICATION ON A MOBILE NETWORK	104100271	201540089	TW		10/16/2015
4403	SYSTEMS AND METHODS FOR MODULATION AND CODING SCHEME SELECTION AND CONFIGURATION	104100272	201543932	TW		11/16/2015
4404	SYSTEMS METHODS AND DEVICES FOR APPLICATION SPECIFIC ROUTING IN DUAL CONNECTIVITY	104101174	201543922	TW		11/16/2015
4405	DEVICE SYSTEM AND METHOD OF CONFIGURING A RADIO TRANSCEIVER	104101667	201541876	TW		11/1/2015
4406	ENABLING D2D FUNCTIONALITY FOR PUBLIC SAFETY APPLICATIONS	104102889	201543921	TW		11/16/2015
4407	METHOD APPARATUS AND COMPUTER READABLE MEDIUM FOR SWITCHING BETWEEN LOWER ENERGY AND HIGHER ENERGY WIRELESS COMMUNICATION TECHNIQUES	104103564	201543945	TW		11/16/2015
4408	FINE TIMING MEASUREMENT BURST MANAGEMENT	104104267	201539017	TW		10/16/2015
4409	METHOD AND DEVICE FOR INTERFERER SCHEDULING DETECTION AND NOISE AND INTERFERER PARAMETER ESTIMATION	104104391	201545491	TW		12/1/2015

SCHEDULE A

No.	TITLE	Filing Number	Publication Number	Jurisdiction	Filing Date	Publication Date
4410	SYSTEMS METHODS AND DEVICES FOR DEVICE-TO-DEVICE DISCOVERY AND COMMUNICATION	104104399	201543946	TW		11/16/2015
4411	SYSTEMS METHODS AND DEVICES FOR DEVICE-TO-DEVICE COMMUNICATION MODE SELECTION	104104404	201542003	TW		11/1/2015
4412	APPARATUSES SYSTEMS AND METHODS FOR MEASURING QUALITY OF CELL DISCOVERY SIGNAL	104104406	201545582	TW		12/1/2015
4413	METHODS SYSTEMS AND DEVICES FOR MODULATION AND CODING SCHEME SIGNALING FOR COMMON CONTROL CHANNEL	104104562	201545512	TW		12/1/2015
4414	QUANTIZATION CIRCUIT AND METHOD FOR QUANTIZING AN INPUT QUANTITY	104104563	201543231	TW		11/16/2015
4415	METHOD AND DEVICE FOR PROCESSING RESOURCE BLOCKS	104105052	201545588	TW		12/1/2015
4416	METHOD AND APPARATUS FOR WI-FI LOCATION DETERMINATION	104105112	201542019	TW		11/1/2015
4417	MULTI-STANDARD SYSTEMS AND METHODS WITH INTERFERER MITIGATION	104105344	201607351	TW		2/16/2016
4418	A CIRCUIT AN INTEGRATED CIRCUIT A TRANSMITTER A RECEIVER A TRANSCEIVER A METHOD FOR OBTAINING CALIBRATION DATA AND A METHOD FOR GENERATING A LOCAL OSCILLATOR SIGNAL	104105363	201603497	TW		1/16/2016
4419	REFERENCE SIGNAL ENHANCEMENT FOR SHARED CELL	104105379	201543934	TW		11/16/2015
4420	APPARATUS AND METHODS FOR REDUCING SOFT BUFFER SIZE IN MTC DEVICES	104105831	201547231	TW		12/16/2015
4421	DYNAMIC DECLARATION OF CONFORMITY AND CERTIFICATION FOR RADIO APPLICATION DISTRIBUTION	104106836	201607344	TW		2/16/2016
4422	SYSTEM AND METHOD TO MEASURE AN ERROR RATE OF A WIRELESS LOCAL AREA NETWORK	104106837	201547290	TW		12/16/2015
4423	ENHANCED NODE B UE AND METHOD FOR SELECTING CELL DISCOVERY SIGNALS IN LTE NETWORKS	104107923	201601581	TW		1/1/2016
4424	APPARATUS METHOD AND SYSTEM OF ESTABLISHING A CONNECTION BETWEEN A CELLULAR NODE AND A CORE NETWORK	104108951	201605273	TW		2/1/2016
4425	SYSTEMS METHODS AND DEVICES FOR SYNCHRONIZATION SOURCE SELECTION FOR DEVICE-TO-DEVICE COMMUNICATION	104110682	201603629	TW		1/16/2016
4426	SYSTEMS DEVICES AND METHODS FOR LONG TERM EVOLUTION AND WIRELESS LOCAL AREA INTERWORKING	104110683	201605283	TW		2/1/2016

SCHEDULE A

No.	TITLE	Filing Number	Publication Number	Jurisdiction	Filing Date	Publication Date
4427	SYSTEMS AND METHODS FOR ENHANCING PROBABILITY OF INTERNAL MEASUREMENTS IN CROWDED ENVIRONMENTS	104111274	201607339	TW		2/16/2016
4428	METHODS AND DEVICES FOR CHANNEL ESTIMATION AND OFDM RECEIVER	104112403	201603521	TW		1/16/2016
4429	SYSTEM AND METHOD FOR GENERATING A DATA DEPENDENT CLOCK FOR A DAC IN A MODULATOR	104114133	201613319	TW		4/1/2016
4430	CIRCUIT INTEGRATED CIRCUIT RECEIVER TRANSCEIVER AND A METHOD FOR AMPLIFYING AN INPUT SIGNAL	104116660	201613257	TW		4/1/2016
4431	COMMUNICATION SYSTEMS AND METHODS	104117625	201603628	TW		1/16/2016
4432	SYSTEM AND METHOD FOR TDD COMMUNICATIONS	104119790	201613299	TW		4/1/2016
4433	SYSTEMS METHODS AND DEVICES FOR PROXIMITY SERVICES FOR MULTI-CARRIER CAPABLE MOBILE DEVICES	104121844	201607343	TW		2/16/2016
4434	COMMUNICATION TERMINAL AND METHOD FOR CONTROLLING A CELL RESELECTION	104122046	201626838	TW		7/16/2016
4435	RADIO COMMUNICATION DEVICES AND METHODS FOR CONTROLLING A RADIO COMMUNICATION DEVICE	104122560	201616817	TW		5/1/2016
4436	COMMUNICATION TERMINAL AND METHOD FOR CONTROLLING A DATA TRANSMISSION	104123773	201615046	TW		4/16/2016
4437	MODIFIED ARCHITECTURE FOR CLOUD RADIO ACCESS NETWORKS AND APPROACH FOR COMPRESSION OF FRONT-HAUL DATA	104125645	201611560	TW		3/16/2016
4438	PHASE TRACKER FOR A PHASE LOCKED LOOP	104126884	201620256	TW		6/1/2016
4439	TRAJECTORY MODIFICATION TECHNIQUE FOR POLAR TRANSMITTER	104127012	201622390	TW		6/16/2016
4440	APPARATUSES SYSTEMS AND METHODS FOR PROBABILISTIC TRANSMISSION OF DEVICE-TO-DEVICE (D2D) DISCOVERY MESSAGES	104127015	201632001	TW		9/1/2016
4441	DIGITAL TO ANALOG CONVERTER CIRCUITS APPARATUS AND METHOD FOR GENERATING A HIGH FREQUENCY TRANSMISSION SIGNAL AND METHODS OF DIGITAL TO ANALOG CONVERSION	104127016	201631901	TW		9/1/2016
4442	VIRTUALIZED NETWORK FUNCTION MANAGER	104127163	201633745	TW		9/16/2016
4443	TRANSMISSION OF COMMON CONTROL MESSAGES FOR MACHINE-TYPE COMMUNICATION (MTC) USER EQUIPMENTS WITH REDUCED BANDWIDTH	104127490	201613413	TW		4/1/2016
4444	INCREASED CARRIER MONITORING	104127733	201633815	TW		9/16/2016

SCHEDULE A

No.	TITLE	Filing Number	Publication Number	Jurisdiction	Filing Date	Publication Date
4445	MOBILE COMMUNICATION IN MACRO-CELL ASSISTED SMALL CELL NETWORKS	104128429	201622475	TW		6/16/2016
4446	SYSTEMS METHODS AND APPARTATUSES FOR BEARER SPLITTING IN MULTI-RADIO HETNET	104129008	201616837	TW		5/1/2016
4447	CARRIAGE OF MEDIA CONTENT QUALITY INFORMATION	104129159	201626774	TW		7/16/2016
4448	METHODS AND APPARATUSES OF WLAN ALARM NOTIFICATION IN CELLULAR NETWORKS	104129203	201625027	TW		7/1/2016
4449	CONTROLLING SUBSCRIBER IDENTITY MODULE (SIM) ACTIVE STATE IN A MULTIPLE SIMs RADIO	104130292	201633816	TW		9/16/2016
4450	APPARATUS SYSTEM AND METHOD OF COMMUNICATING BETWEEN A CELLULAR MANAGER AND A USER EQUIPMENT (UE) VIA A WLAN ACCESS DEVICE	104131629	201628449	TW		8/1/2016
4451	CONNECTION MANAGEMENT TECHNIQUES FOR WIRELESS NETWORK MOBILITY PROCEDURES	104132545	201620328	TW	10/2/2015	6/1/2016
4452	METHODS AND DEVICES FOR DETERMINING INTERMODULATION DISTORTIONS	104132704	201628344	TW		8/1/2016
4453	SYSTEMS AND METHODS FOR SIGNALING IN AN INCREASED CARRIER MONITORING WIRELESS COMMUNICATION ENVIRONMENT	104133706	201628428	TW		8/1/2016
4454	METHOD OF PROCESSING RECEIVED DIGITIZED SIGNALS AND MOBILE RADIO COMMUNICATION TERMINAL DEVICE	104136666	201632025	TW		9/1/2016
4455	APPARATUS AND METHODS FOR A CAPACITIVE DIGITAL-TO-ANALOG CONVERTER BASED POWER AMPLIFIER	104137178	201637356	TW		10/16/2016
4456	INJECTION LOCKED RING OSCILLATOR BASED DIGITAL-TO-TIME CONVERTER AND METHOD FOR PROVIDING A FILTERED INTERPOLATED PHASE SIGNAL	104137179	201631899	TW		9/1/2016
4457	CELLULAR UP-LINK HARMONIC SPURS MITIGATION IN WI-FI AND BLUETOOTH RECEIVERS	104137184	201631910	TW		9/1/2016
4458	RADIO COMMUNICATION DEVICE AND METHOD FOR OPERATION THEREOF	104137346	201632014	TW		9/1/2016
4459	CALIBRATING RF PATH DELAY AND IQ PHASE IMBALANCE FOR POLAR TRANSMIT SYSTEM	104137529	201640869	TW		11/16/2016
4460	HIGH-SPEED DIGITAL SIGNAL PROCESSING SYSTEMS	104137530	201631898	TW		9/1/2016
4461	AN APPARATUS AND METHOD FOR GENERATING A TRANSMIT SIGNAL	104137536	201640830	TW		11/16/2016
4462	FREQUENCY GENERATOR METHOD AND COMPUTER PROGRAM	104137720	201637389	TW		10/16/2016

SCHEDULE A

No.	TITLE	Filing Number	Publication Number	Jurisdiction	Filing Date	Publication Date
4463	TRAFFIC ENGINEERING IN HETEROGENEOUS MILLIMETER-WAVE AND LTE SMALL CELL SYSTEMS	104137728	201632015	TW		9/1/2016
4464	CIRCUIT AND METHOD FOR PROVIDING A RADIO FREQUENCY SIGNAL	104138140	201631883	TW		9/1/2016
4465	NOISE-SHAPING CIRCUIT DIGITAL-TO-TIME CONVERTER ANALOG-TO-DIGITAL CONVERTER DIGITAL-TO-ANALOG CONVERTER FREQUENCY SYNTHESIZER TRANSMITTER RECEIVER TRANSCEIVER METHOD FOR SHAPING NOISE IN AN INPUT SIGNAL	104138141	201637368	TW		10/16/2016
4466	COARSE TUNING SELECTION FOR PHASE LOCKED LOOPS	104138148	201640827	TW		11/16/2016
4467	HARQ TIMING DESIGN FOR A TDD SYSTEM	104138597		TW		
4468	NETWORK-INITIATED DISCOVERY AND PATH SELECTION PROCEDURES FOR MULTI-HOP UNDERLAY NETWORKS	104139439	201633818	TW		9/16/2016
4469	SYSTEMS AND METHODS USING A CENTRALIZED NODE TO COLLECT RAN USER PLANE CONGESTION INFORMATION	104139673	201611634	TW	11/27/2015	3/16/2016
4470	PROVISIONING OF APPLICATION CATEGORIES AT A USER EQUIPMENT DURING NETWORK CONGESTION	104140343	201628431	TW		8/1/2016
4471	CARRIER AGGREGATION ENHANCEMENTS FOR UNLICENSED SPECTRUM AND 5G	104142500	201635838	TW		10/1/2016
4472	ADAPTIVE PAGING TECHNIQUES FOR EXTENDED COVERAGE-CAPABLE DEVICES	104143374	201635833	TW		10/1/2016
4473	METHOD APPARATUS AND SYSTEM FOR HANDLING IN-DEVICE COEXISTENCE INTERFERENCE IN A WIRELESS NETWORK	104144491	201614973	TW	12/30/2015	4/16/2016
4474	TECHNIQUES FOR WIRELESS NETWORK DISCOVERY AND SELECTION SUPPORT	105100563	201615047	TW	1/8/2016	4/16/2016
4475	PROCEDURES TO PROVISION AND ATTACH A CELLULAR INTERNETOF THINGS DEVICE TO A CLOUD SERVICE PROVIDER	105100798	201635840	TW		10/1/2016
4476	METHOD AND DEVICE FOR CANCELING A BIAS OF A RADIO CHANNEL SEQUENCE	105101721	201639323	TW		11/1/2016
4477	EXTENDED PAGING DISCONTINUOUS RECEPTION (DRX) CYCLES IN WIRELESS COMMUNICATION NETWORKS	105103027	201640944	TW	1/30/2016	11/16/2016
4478	METHOD FOR PERFORMING MOBILE COMMUNICATIONS AND MOBILE TERMINAL DEVICE	105103334	201640938	TW		11/16/2016
4479	METHOD AND DEVICE FOR PROTECTING A DATA TRANSPORT BLOCK AGAINST MEMORY ERRORS AND TRANSMISSION ERRORS	105103608	201642275	TW		12/1/2016

SCHEDULE A

No.	TITLE	Filing Number	Publication Number	Jurisdiction	Filing Date	Publication Date
4480	MME OVERLOAD OR UNDERLOAD MITIGATION BY MME VNF APPARATUS AND METHOD	105103610	201640870	TW		11/16/2016
4481	TERMINAL DEVICE AND MOBILE RADIO COMMUNICATION BY TERMINAL DEVICE	105104318	201640941	TW		11/16/2016
4482	AT COMMAND FOR SECURE ESM INFORMATION	105105251	201639387	TW		11/1/2016
4483	TRANSMISSION DESIGNS FOR RADIO ACCESS TECHNOLOGIES	105105252	201642636	TW		12/1/2016
4484	METHODS AND DEVICES FOR MULTI-DEVICE LINK AGGREGATION	105105509	201642624	TW		12/1/2016
4485	A RECEIVER AND A METHOD FOR REDUCING A DISTORTION COMPONENT RELATED TO A BASEBAND TRANSMIT SIGNAL IN A BASEBAND RECEIVE SIGNAL	105105515	201642594	TW		12/1/2016
4486	METHOD FOR PERFORMING MOBILE COMMUNICATIONS AND MOBILE RADIO COMMUNICATION TERMINAL DEVICE	105105648	201642700	TW		12/1/2016
4487	OPTIMIZING APPLICATIONS BEHAVIOR IN A DEVICE FOR POWER AND PERFORMANCE	105105649	201644294	TW		12/16/2016
4488	METHOD USER EQUIPMENT AND COMPUTER-READABLE STORAGE MEDIUM FOR OFFLOADING CELLULAR TRAFFIC TO WIRELESS LOCAL AREA NETWORK TRAFFIC	105105808	201635823	TW	2/26/2016	10/1/2016
4489	PAGING ENHANCEMENT FOR EXTENDED DRX IN CELLULAR SYSTEMS	105110562	201701631	TW		1/1/2017
4490	METHOD APPARATUS AND NON-TRANSITORY COMPUTER READABLE MEDIA FOR UPLINK ENHANCEMENTS FOR EFFICIENT OPERATION IN SMALL CELL ENVIRONMENTS	105111086		TW		
4491	EVOLVED NODE-B SHARED SPECTRUM CONTROLLER AND METHOD FOR COMMUNICATION IN SHARED SPECTRUM	105111387	201703559	TW		1/16/2017
4492	ATTENTION (AT) COMMANDS FOR PACKET DATA NETWORK CONNECTION OFFLOAD	105111523	201642696	TW		12/1/2016
4493	DRX OPERATION FOR UL/DL RECONFIGURATION	105113832	201632012	TW	5/4/2016	9/1/2016
4494	USER EQUIPMENT (UE) ENHANCED NODE B (ENODE B) AND METHOD IN A COMMUNICATIONS NETWORK	105114916	201642701	TW	5/13/2016	12/1/2016
4495	MTSI BASED UE CONFIGURABLE FOR VIDEO REGION-OF-INTEREST (ROI) SIGNALING	105115759	201631957	TW	5/20/2016	9/1/2016
4496	METHODS APPARATUSES AND SYSTEMS FOR RETRIEVING DATA FROM A WIRELESS LOCAL AREA NETWORK (WLAN) ACCESS POINT	105115804	201707501	TW	5/20/2016	2/16/2017

SCHEDULE A

No.	TITLE	Filing Number	Publication Number	Jurisdiction	Filing Date	Publication Date
4497	METHOD AND EVOLVED NODE-B FOR GEOGRAPHIC BIN DATA COLLECTION AND REPORTING	105116276	201701689	TW	5/25/2016	1/1/2017
4498	SYSTEMS METHODS AND DEVICES TO SUPPORT A FAST TDD CONFIGURATION INDICATION	105119740	201635822	TW	6/23/2016	10/1/2016
4499	GENERATION AND USE OF A USER EQUIPMENT LOCATION DISTRIBUTION IN A WIRELESS COMMUNICATION NETWORK	105119971	201714479	TW	6/24/2016	4/16/2017
4500	USER EQUIPMENT AND METHOD FOR PACKET BASED DEVICE-TO-DEVICE (D2D) DISCOVERY IN AN LTE NETWORK	105121010	201705810	TW	7/1/2016	2/1/2017
4501	SERVER AND USER EQUIPMENT OF ENABLING DIRECT TRANSPORT LAYER CONNECTIVITY AND COMPUTER PROGRAM PRODUCT THEREOF	105121015		TW		
4502	PERFORMING MISSION CRITICAL COMMUNICATIONS AT A USER EQUIPMENT (UE)	105121021	201717677	TW		5/16/2017
4503	IMS EMERGENCY CALL ROUTING TECHNIQUES	105121094	201722126	TW		6/16/2017
4504	APPARATUS SYSTEM AND METHOD OF CELLULAR-ASSISTED FINE TIME MEASUREMENT	105121095	201707480	TW		2/16/2017
4505	ENHANCED SOUNDING REFERENCE SIGNALING FOR UPLINK BEAM TRACKING	105121244	201717692	TW		5/16/2017
4506	BEARER BINDING IN THE PRESENCE OF A UE-TO-NETWORK RELAY	105121419	201709767	TW		3/1/2017
4507	CIOT ARCHITECTURE FOR EFFICIENT DATA TRANSMISSION	105121768	201717583	TW		5/16/2017
4508	EVOLVED NODE-B (ENB) USER EQUIPMENT (UE) AND METHODS FOR FLEXIBLE DUPLEX COMMUNICATION	105121800	201711417	TW		3/16/2017
4509	REFERENCE SIGNALS FOR INITIAL ACQUISITION IN 5G SYSTEMS	105122621	201711428	TW		3/16/2017
4510	RADIO NETWORK ACCESS OF WEARABLE DEVICES	105122738	201711509	TW		3/16/2017
4511	MANAGING ASPECTS OF RECEIVE BEAMFORMING	105122884	201709681	TW		3/1/2017
4512	WIRELESS PERSONAL AREA NETWORK UNDERLYING CELLULAR NETWORKS	105123058	201713143	TW		4/1/2017
4513	QUALITY OF EXPERIENCE AWARE MULTIMEDIA ADAPTIVE STREAMING	105123241	201705767	TW	7/22/2016	2/1/2017
4514	INDICATION OF TDD UPLINK AND DOWNLINK CONFIGURATIONS	105123264	201720089	TW		6/1/2017
4515	DUAL CONNECTIVITY FOR RELIABILITY	105123596	201720184	TW		6/1/2017
4516	INTER-BEAM MOBILITY CONTROL IN MIMO COMMUNICATION SYSTEMS	105123603	201711403	TW		3/16/2017
4517	BEAMFORMED PHYSICAL DOWNLINK CONTROL CHANNELS (BPDCCHS) FOR NARROW BEAM BASED WIRELESS COMMUNICATION	105123758	201709706	TW		3/1/2017

SCHEDULE A

No.	TITLE	Filing Number	Publication Number	Jurisdiction	Filing Date	Publication Date
4518	METHODS AND APPARATUSES FOR CHANNEL ESTIMATION FOR NB-PBCH IN NB-LTE SYSTEMS	105123768	201720200	TW		6/1/2017
4519	ENHANCED NODE B UE AND METHOD FOR SELECTING CELL DISCOVERY SIGNALS IN LTE NETWORKS	105124143	201720218	TW	7/29/2016	6/1/2017
4520	RANDOM ACCESS PROCEDURE FOR BEAM BASED CELL-LESS OPERATION IN 5G RAT	105124238	201720211	TW		6/1/2017
4521	BEAM INTERPOLATION IN MASSIVE MIMO SYSTEMS	105124336	201720071	TW		6/1/2017
4522	BEARER-LESS ARCHITECTURE FOR A WIRELESS CELLULAR NETWORK	105124806	201714438	TW		4/16/2017
4523	ENHANCED SELF-CONTAINED TIME-DIVISION DUPLEX SUBFRAME STRUCTURE	105124942	201714424	TW		4/16/2017
4524	MAPPING OF PHYSICAL BROADCAST CHANNEL (PBCH) REPETITION SYMBOLS FOR MACHINE-TYPE COMMUNICATION (MTC)	105125178	201720085	TW		6/1/2017
4525	SYSTEMS METHODS AND DEVICES FOR SHARING A WIRELESS MEDIUM USING LISTEN BEFORE TALK	105125189	201713132	TW		4/1/2017
4526	AIR INTERFACE SLICING ARCHITECTURE FOR WIRELESS COMMUNICATION SYSTEMS	105125327	201720222	TW		6/1/2017
4527	SLICEABLE RADIO ACCESS NETWORK ARCHITECTURE FOR WIRELESS COMMUNICATIONS	105125328	201720206	TW		6/1/2017
4528	SYSTEMS AND METHODS FOR MODULATION AND CODING SCHEME SELECTION AND CONFIGURATION	105125457	201705795	TW	8/10/2016	2/1/2017
4529	NETWORK INITIATED PACKET DATA NETWORK CONNECTION	105126118	201714434	TW		4/16/2017
4530	SAS INTERFERENCE MITIGATION OPTIONS	105126205	201715912	TW		5/1/2017
4531	PERSONAL AREA NETWORK COMMUNICATION FOR WEARABLE DEVICES	105127670	201715913	TW		5/1/2017
4532	METHOD AND DEVICE FOR INTERFERER SCHEDULING DETECTION AND NOISE AND INTERFERER PARAMETER ESTIMATION	105127689		TW		
4533	SLICE-BASED OPERATION IN WIRELESS NETWORKS WITH END-TO-END NETWORK SLICING	105127707	201715910	TW		5/1/2017
4534	DEVICES AND METHODS FOR ROBUST MEASUREMENT AND DATA RECEIVING	105127848	201720074	TW		6/1/2017
4535	FLEXIBLE UNIVERSAL EXTENDED FRAME STRUCTURE	105127850	201728208	TW		8/1/2017
4536	DYNAMICALLY BEAMFORMED CONTROL CHANNEL FOR BEAMFORMED CELLS	105128272	201724889	TW		7/1/2017
4537	SIGNALING METHODS FOR FLEXIBLE RADIO RESOURCE MANAGEMENT	105128273	201724897	TW		7/1/2017
4538	CHANNEL STATE INFORMATION FEEDBACK CHANNEL	105128501	201724786	TW		7/1/2017

SCHEDULE A

No.	TITLE	Filing Number	Publication Number	Jurisdiction	Filing Date	Publication Date
4539	SUPPORTING SEMI-PERSISTENT SCHEDULING FOR VARIED TRANSMISSION TIME INTERVALS	105128649	201724883	TW		7/1/2017
4540	WIRELESS TRANSMISSION PRECODING APPARATUSES FOR DMRS DESIGN OR PROCESSING FOR GUARD INTERVAL OR ZERO TAIL DFT SPREAD OFDM SYSTEMS	105128946	201717557	TW	9/7/2016	5/16/2017
4541	ENHANCED RESOURCE MAPPING SCHEME	105129160	201724819	TW		7/1/2017
4542	REFERENCE SIGNAL FOR RECEIVE BEAM REFINEMENT IN CELLULAR SYSTEMS	105129616	201724792	TW		7/1/2017
4543	MULTIPLEXING TRANSMISSION TIME INTERVALS (TTIS) WITH PHYSICAL DOWNLINK SHARED CHANNEL (PDSCH) PUNCTURING DETECTION	105130210	201724776	TW		7/1/2017
4544	SECURE CONNECTION OF CELLULAR DEVICES WITHOUT USING A CORE CELLULAR NETWORK	105130862	201728204	TW		8/1/2017
4545	RESTORING VIRTUAL NETWORK FUNCTION (VNF) PERFORMANCE VIA VNF RESET OF LIFECYCLE MANAGEMENT	105131652	201717688	TW		5/16/2017
4546	RAN RE-ARCHITECTURE FOR NETWORK SLICING	105131690	201728222	TW		8/1/2017
4547	METHOD APPARATUS AND SYSTEM FOR SPONSORED DATA CONNECTIVITY RELATED INFORMATION CONTROL AND TRANSMISSION IN A WIRELESS NETWORK	105131893	201717686	TW		5/16/2017
4548	INTRA-FREQUENCY AND INTER-FREQUENCY MEASUREMENT FOR NARROW BAND MACHINE-TYPE COMMUNICATION	105132428	201728136	TW		8/1/2017
4549	RATE-COMPATIBLE OPERATION WITH LOW DENSITY PARITY- CHECK CODES	105132560	201717683	TW		5/16/2017
4550	SYSTEMS METHODS AND DEVICES FOR SYNCHRONIZATION SOURCE SELECTION FOR DEVICE-TO-DEVICE COMMUNICATION	105133412	201729546	TW		8/16/2017
4551	A TIME DIVISION DUPLEX (TDD) SYSTEM WITH A LOW LATENCY AND HIGH THROUGHPUT SUBFRAME STRUCTURE	105133564	201705791	TW	10/18/2016	2/1/2017
4552	SYSTEM AND METHOD FOR DOWNLINK CONTROL INDICATOR DESIGN IN BEAM AGGREGATION SYSTEM	105133586	201731249	TW		9/1/2017
4553	SYSTEM AND METHOD TO MEASURE AN ERROR RATE OF A WIRELESS LOCAL AREA NETWORK	105133681	201722182	TW		6/16/2017
4554	CONTROL SIGNALING IN MULTIPLE BEAM OPERATION	105134082	201724882	TW	10/21/2016	7/1/2017
4555	HORIZONTAL NETWORK SLICING IN A WIRELESS NETWORK	105134291	201722097	TW		6/16/2017
4556		105134424	201724880	TW		7/1/2017

SCHEDULE A

No.	TITLE	Filing Number	Publication Number	Jurisdiction	Filing Date	Publication Date
4557	DEVICES AND METHODS OF MOBILITY ENHANCEMENT AND WEARABLE DEVICE PATH SELECTION	105134954	201725926	TW		7/16/2017
4558	MILLIMETER WAVE BROADCAST AND UNICAST CHANNEL DESIGN AND GENERIC TRANSMIT ARCHITECTURE	105134955	201722106	TW		6/16/2017
4559	CHANNEL STATE INFORMATION REFERENCE SIGNAL GENERATION WITH REDUCED ORTHOGONAL FREQUENCY DIVISION MULTIPLEXING SYMBOLS	105135248	201731246	TW		9/1/2017
4560	EVENTS TO TRIGGER BRS-RP (BEAM REFERENCE SIGNAL RECEIVED POWER) REPORT	105135343	201731236	TW		9/1/2017
4561	PROVIDING DIFFERENT RADIO ACCESS NETWORKS INDEPENDENT STANDARDIZED ACCESS TO A CORE NETWORK	105135462	201724827	TW		7/1/2017
4562	AGGREGATED SIGNALING FOR MACHINE TYPE COMMUNICATION (MTC) DEVICES	105135565	201731269	TW		9/1/2017
4563	DOWNLINK REACHABILITY FOR ULTRA LOW POWER SAVING DEVICES USING D2D	105135754	201731320	TW		9/1/2017
4564	APPARATUS FOR USER EQUIPMENT AND MOBILE COMMUNICATION DEVICE	105135955	201717685	TW	11/4/2016	5/16/2017
4565	SYSTEMS AND METHODS FOR MTC UES WITH SCALABLE BANDWIDTH SUPPORT	105136485	201731323	TW		9/1/2017
4566	CELL SEARCH AND SYNCHRONIZATION IN MILLIMETER-WAVE CAPABLE SMALL CELLS	105137257	201724893	TW		7/1/2017
4567	SYSTEMS DEVICES AND METHODS FOR LONG TERM EVOLUTION AND WIRELESS LOCAL AREA INTERWORKING	105137651	201709769	TW	11/17/2016	3/1/2017
4568	MULTIPLEXING OF CONTROL SIGNALING AND DATA TRANSMISSION IN ENHANCED FRAME STRUCTURES	105138118	201733328	TW		9/16/2017
4569	METHODS SYSTEMS AND DEVICES FOR MODULATION AND CODING SCHEME SIGNALING FOR COMMON CONTROL CHANNEL	105138882	201728143	TW	11/25/2016	8/1/2017
4570	SCHEDULING REQUEST IN EXTREMELY HIGH FREQUENCY SYSTEMS	105139229	201733329	TW		9/16/2017
4571	NETWORK SLICE SELECTION IN NETWORK SYSTEMS	105139898	201728221	TW		8/1/2017
4572	ACKNOWLEDGEMENT (ACK) TRANSMISSIONS USING A SELF-CONTAINED SUBFRAME STRUCTURE	105139899	201728112	TW		8/1/2017
4573	DOWNLINK HYBRID AUTOMATIC REPEAT REQUEST FEEDBACK FOR NARROWBAND INTERNET OF THINGS DEVICES	105139900	201728113	TW		8/1/2017
4574	ENCODING AND DECODING USING LOW-DENSITY PARITY-CHECK MATRICES	105139901	201725868	TW		7/16/2017

SCHEDULE A

No.	TITLE	Filing Number	Publication Number	Jurisdiction	Filing Date	Publication Date
4575	DETERMINATION OF AN ADVANCED PHYSICAL UPLINK CHANNEL RESOURCE	105139950	201735687	TW		10/1/2017
4576	PERFORMANCE MONITORING TECHNIQUES FOR VIRTUALIZED RESOURCES	105140114	201734784	TW		10/1/2017
4577	INFORMATIONALLY EFFICIENT ERROR CORRECTION CODING	105140269	201733276	TW		9/16/2017
4578	TECHNIQUES FOR INSTANTIATION AND TERMINATION OF VIRTUALIZED NETWORK FUNCTIONS	105140408	201725881	TW		7/16/2017
4579	5G FDD LOW LATENCY TRANSMISSION SUBFRAME STRUCTURE SYSTEM AND METHOD OF USE	105140686	201735576	TW		10/1/2017
4580	DEVICES AND METHODS FOR PROVIDING 5G UPLINK REQUEST	105141071	201735676	TW		10/1/2017
4581	APPARATUSES SYSTEMS AND METHODS FOR MEASURING QUALITY OF CELL DISCOVERY SIGNAL	105144231	201728209	TW	12/30/2016	8/1/2017
4582	METHODS AND APPARATUSES OF WLAN ALARM NOTIFICATION IN CELLULAR NETWORKS	105144235	201731314	TW	12/30/2016	9/1/2017
4583	RX-TX TIME DIFFERENCE REPORT FOR TDD SYSTEMS AND ASSOCIATED DEVICES	106101250	201735678	TW		10/1/2017
4584	FIFTH GENERATION (5G) UPLINK CONTROL INFORMATION (xUCI) REPORT	106101395	201731242	TW		9/1/2017
4585	CHANNEL CODING AND INTERLEAVING FOR CONTROL AND USER DATA IN THE PHYSICAL UPLINK SHARED CHANNEL	106101433	201739199	TW		11/1/2017
4586	DYNAMIC RESOURCE ALLOCATIONS AND TRANSMISSION SCHEMES FOR XPUCCH (5G PUCCH)	106101484	201729626	TW		8/16/2017
4587	SPREADING OPTIONS FOR NON-ORTHOGONAL MULTIPLE ACCESS	106101667	201735704	TW		10/1/2017
4588	SLICING ARCHITECTURE FOR WIRELESS COMMUNICATION	106101821	201733378	TW		9/16/2017
4589	DEVICE AND METHOD FOR SYNCHRONOUS BEAM SWITCHING	106101903	201739192	TW		11/1/2017
4590	POWER CONTROL FOR LINKS IN BEAMFORMING SYSTEMS	106101905	201739295	TW		11/1/2017
4591	SYSTEMS AND METHODS USING A CENTRALIZED NODE TO COLLECT RAN USER PLANE CONGESTION INFORMATION	106102177		TW		
4592	REFERENCE SIGNAL ENHANCEMENT FOR SHARED CELL	106102182	201720205	TW	1/20/2017	6/1/2017
4593	ENABLING A SECONDARY CELL IN A MASSIVE MIMO SYSTEM	106102439	201739189	TW		11/1/2017
4594	RESOURCE ALLOCATIONS FOR BEAMFORMING REFERENCE SIGNALS	106102631	201729615	TW		8/16/2017
4595	MTSI BASED UE CONFIGURABLE FOR VIDEO REGION-OF-INTEREST (ROI) SIGNALING	106102708	201720140	TW	1/24/2017	6/1/2017

SCHEDULE A

No.	TITLE	Filing Number	Publication Number	Jurisdiction	Filing Date	Publication Date
4596	METHOD AND SYSTEM TO PERFORM PERFORMANCE MEASUREMENTS JOB OPERATIONS	106102924	201735679	TW		10/1/2017
4597	PHYSICAL LAYER PROTOCOL AND SELF-CONTAINED SUBFRAME STRUCTURE FOR 5G/LTE COMPLIANT WEARABLE USER EQUIPMENT DEVICES	106102927	201731327	TW		9/1/2017
4598	DISCOVERY AND NETWORK ACCESS PROCEDURES FOR 5G THINGS COMMUNICATION SYSTEM	106103334	201739300	TW		11/1/2017
4599	RADIO COMMUNICATION DEVICE AND METHOD FOR OPERATION THEREOF	106103711		TW		
4600	TRANSMISSION SCHEME AND INTER-CELL INTERFERENCE MITIGATION FOR FIFTH GENERATION (5G) SYSTEM INFORMATION BLOCK (xSIB)	106103798	201733326	TW		9/16/2017
4601	DISCONTINUOUS DOWNLINK TRANSMISSIONS FOR MACHINE TYPE COMMUNICATIONS	106103848	201742486	TW		12/1/2017
4602	SYSTEMS AND METHODS FOR CENTRALIZED AND DECENTRALIZED COMMUNICATION MODES FOR V2X SERVICES	106104100	201735671	TW		10/1/2017
4603	BEAM MANAGEMENT FOR DUAL TRANSMISSION POINT HYBRID BEAMFORMING SYSTEMS IN 5G	106104652	201735560	TW		10/1/2017
4604	USER EQUIPMENT (UE) SUPPORT MODE AND ID SUPPORT	106105142	201737672	TW		10/16/2017
4605	DUAL BEAM OPERATION FOR MOBILITY	106105222	201737654	TW		10/16/2017
4606	TRIGGER FOR ATTACH-TAU FOR PENDING IMS CALL REQUEST IN RADIO ACCESS NETWORKS	106105472	201742419	TW		12/1/2017
4607	SIXTY GIGAHERTZ BAND SUPPORT IN CELLULAR AND WIRELESS LOCAL AREA NETWORK AGGREGATION	106105621	201742478	TW		12/1/2017
4608	FRAME STRUCTURES FOR BEAM SWITCHING AND REFINEMENT IN CELLULAR SYSTEMS	106105622	201737749	TW		10/16/2017
4609	HYBRID OPEN-LOOP AND CLOSED-LOOP BEAMFORMING	106106230	201742390	TW		12/1/2017
4610	DEVICES AND METHODS FOR MEC V2X	106106543	201742476	TW		12/1/2017
4611	CELLULAR IOT CONTROL AND USER PLANE SWITCHING	106109205	201810993	TW		3/16/2018
4612	NETWORK FUNCTION VIRTUALIZATION	106109384	201810991	TW		3/16/2018
4613	SYSTEMS AND METHODS FOR SIGNALING IN AN INCREASED CARRIER MONITORING WIRELESS COMMUNICATION ENVIRONMENT	106109558	201735680	TW	3/22/2017	10/1/2017
4614	ARCHITECTURE FOR WEB-BASED REAL-TIME COMMUNICATIONS (WEBRTC) TO ACCESS INTERNET PROTOCOL MULTIMEDIA SUBSYSTEM (IMS)	106111401	201728165	TW	4/5/2017	8/1/2017

SCHEDULE A

No.	TITLE	Filing Number	Publication Number	Jurisdiction	Filing Date	Publication Date
4615	EXTENDED PAGING DISCONTINUOUS RECEPTION (DRX) CYCLES IN WIRELESS COMMUNICATION NETWORKS	106114307	201731331	TW	4/28/2017	9/1/2017
4616	TECHNIQUES FOR WIRELESS NETWORK DISCOVERY AND SELECTION SUPPORT	106116721	201811080	TW	5/19/2017	3/16/2018
4617	CONNECTION MANAGEMENT TECHNIQUES FOR WIRELESS NETWORK MOBILITY PROCEDURES	106116730	201811089	TW	5/19/2017	3/16/2018
4618	SYSTEMS METHODS AND DEVICES FOR DEVICE-TO-DEVICE COMMUNICATION MODE SELECTION	106120770	201737745	TW	6/21/2017	10/16/2017
4619	SYSTEMS METHODS AND DEVICES FOR SYNCHRONIZATION SOURCE SELECTION FOR DEVICE-TO-DEVICE COMMUNICATION	106120771	201737744	TW	6/21/2017	10/16/2017
4620	ADAPTIVE PAGING TECHNIQUES FOR EXTENDED COVERAGE-CAPABLE DEVICES	106120780	201813437	TW	6/21/2017	4/1/2018
4621	TRANSMISSION OF COMMON CONTROL MESSAGES FOR MACHINE-TYPE COMMUNICATION (MTC) USER EQUIPMENTS WITH REDUCED BANDWIDTH	106121105	201737755	TW	6/23/2017	10/16/2017
4622	METHOD AND APPARATUS FOR DRX OPERATION FOR UL/DL RECONFIGURATION	106125580	201811099	TW	7/28/2017	3/16/2018
4623	SYSTEMS METHODS AND DEVICES FOR DEVICE-TO-DEVICE DISCOVERY AND COMMUNICATION	106126938	201742500	TW	8/9/2017	12/1/2017
4624	PROVISIONING OF APPLICATION CATEGORIES AT A USER EQUIPMENT DURING NETWORK CONGESTION	106129007	201804834	TW	10/3/2017	2/1/2018
4625	QUALITY OF EXPERIENCE AWARE MULTIMEDIA ADAPTIVE STREAMING	106130850	201813410	TW	9/8/2017	4/1/2018
4626	USER EQUIPMENT (UE) ENHANCED NODE B (ENODE B) AND METHOD IN A COMMUNICATIONS NETWORK	106132989	201811092	TW	9/26/2017	3/16/2018
4627	SYSTEMS AND METHODS FOR MODULATION AND CODING SCHEME SELECTION AND CONFIGURATION	106136966	201808047	TW	10/26/2017	3/1/2018
4628	USER EQUIPMENT AND METHOD FOR PACKET BASED DEVICE-TO-DEVICE (D2D) DISCOVERY IN AN LTE NETWORK	106141195	201811103	TW	11/27/2017	3/16/2018
4629	MME OVERLOAD OR UNDERLOAD MITIGATION BY MME VNF APPARATUS AND METHOD	106145363	201830939	TW	12/22/2017	8/16/2018
4630	APPARATUSES SYSTEMS AND METHODS FOR MEASURING QUALITY OF CELL DISCOVERY SIGNAL	106146561	201813431	TW	12/29/2017	4/1/2018
4631	WIRELESS TRANSMISSION PRECODING	107100057	201838357	TW	1/2/2018	10/16/2018
4632	NETWORK-ASSISTED LTE CHANNEL ACQUISITION			TW		
4633	FAST RADIO LINK RECOVERY FOR LTE NETWORKS			TW		

SCHEDULE A

No.	TITLE	Filing Number	Publication Number	Jurisdiction	Filing Date	Publication Date
4634	SYSTEMS METHODS AND DEVICES FOR DEVICE-TO-DEVICE COMMUNICATION MODE SELECTION			TW		
4635	RADIO-FREQUENCY TRANSMITTER AND AMPLIFIER	12/719692	US-2011-0217940-A1	US		9/8/2011
4636	RECONFIGURABLE DIVERSITY RECEIVER	12/748915	US-2011-0237211-A1	US		9/29/2011
4637	EMISSION SUPPRESSION FOR WIRELESS COMMUNICATION DEVICES	12/796229	US-2011-0299644-A1	US		12/8/2011
4638	RECEIVER WITH FEEDBACK CONTINUOUS-TIME DELTA-SIGMA MODULATOR WITH CURRENT-MODE INPUT	12/879477	US-2012-0063519-A1	US		3/15/2012
4639	SYSTEM AND METHOD FOR CRYSTAL OSCILLATOR FREQUENCY TUNING	12/879525	US-2012-0063504-A1	US		3/15/2012
4640	SYSTEM AND METHOD FOR SWITCH LEAKAGE CANCELLATION	12/882306	US-2012-0062307-A1	US		3/15/2012
4641	SYSTEMS AND METHODS FOR SPURIOUS EMISSION CANCELLATION	12/882498	US-2012-0064847-A1	US		3/15/2012
4642	SYSTEM AND METHOD FOR MULTIPLE BAND TRANSMISSION	12/895086	US-2012-0081203-A1	US		4/5/2012
4643	TEMPERATURE DEPENDENT VOLTAGE REGULATOR	12/905241	US-2012-0094613-A1	US		4/19/2012
4644	SYSTEM AND METHOD FOR TUNING AN ANTENNA IN A WIRELESS COMMUNICATION DEVICE	13/053966	US-2012-0243579-A1	US		9/27/2012
4645	COMMON-MODE FEEDBACK CIRCUIT	13/078430	US-2012-0154049-A1	US		6/21/2012
4646	METHOD AND SYSTEM FOR CONTROLLING SIGNAL TRANSMISSION OF A WIRELESS COMMUNICATION DEVICE	13/079473	US-2012-0252520-A1	US		10/4/2012
4647	TECHNIQUE TO GENERATE DIVIDE BY TWO AND 25 DUTY CYCLE	13/079516	US-2012-0252393-A1	US		10/4/2012
4648	SYSTEM AND METHOD FOR REDUCING LOCK ACQUISITION TIME OF A PHASE-LOCKED LOOP	13/080196	US-2012-0257701-A1	US		10/11/2012
4649	SYSTEM AND METHOD FOR SUPPORTING DIFFERENT TYPES OF OSCILLATOR CIRCUITS	13/100656	US-2012-0280842-A1	US		11/8/2012
4650	SYSTEM AND METHOD FOR ESTIMATING AND CORRECTING PHASE SHIFT IN A WIRELESS COMMUNICATION DEVICE	13/173972	US-2013-0003891-A1	US		1/3/2013
4651	TEMPERATURE COMPENSATION CIRCUIT	13/181287	US-2013-0015895-A1	US		1/17/2013
4652	SYSTEM AND METHOD FOR CONTROLLING CURRENT TO CERTAIN COMPONENTS OF A WIRELESS COMMUNICATION DEVICE	13/184180	US-2013-0016619-A1	US		1/17/2013
4653	SELF-CALIBRATED DAC WITH REDUCED GLITCH MAPPING	13/192950	US-2013-0027235-A1	US		1/31/2013
4654	DIGITAL VOLTAGE-CONTROLLED ATTENUATOR	13/207649	US-2013-0040591-A1	US		2/14/2013
4655	SYSTEM AND METHOD FOR PRESERVING INPUT IMPEDANCE OF A CURRENT-MODE CIRCUIT	13/207672	US-2013-0040695-A1	US		2/14/2013

SCHEDULE A

No.	TITLE	Filing Number	Publication Number	Jurisdiction	Filing Date	Publication Date
4656	SYSTEM AND METHOD FOR IMPROVING POWER EFFICIENCY OF A TRANSMITTER	13/207712	US-2013-0040586-A1	US		2/14/2013
4657	SYSTEM AND METHOD FOR A DUAL-PATH TRANSMITTER	13/207746	US-2013-0039434-A1	US		2/14/2013
4658	SYSTEM AND METHOD FOR A MULTI-BAND TRANSMITTER	13/207786	US-2013-0039438-A1	US		2/14/2013
4659	SYSTEM AND METHOD FOR REDUCING OR ELIMINATING TEMPERATURE DEPENDENCE OF A COHERENT RECEIVER IN A WIRELESS COMMUNICATION DEVICE	13/208190	US-2013-0039394-A1	US		2/14/2013
4660	SYSTEM AND METHOD FOR FREQUENCY-AGILE TRANSMISSION IN A WIRELESS COMMUNICATION DEVICE	13/208698	US-2013-0039368-A1	US		2/14/2013
4661	SYSTEM AND METHOD FOR TUNING AN ANTENNA IN A WIRELESS COMMUNICATION DEVICE	13/352083	US-2013-0183910-A1	US		7/18/2013
4662	CONTINUOUS-TIME INCREMENTAL ANALOG-TO-DIGITAL CONVERTER	13/363884	US-2013-0194116-A1	US		8/1/2013
4663	SYSTEM AND METHOD FOR LINEARIZATION OF A MIXER	13/419150		US		
4664	DIFFERENTIAL TRANSMISSION LINE SHIELDED BY TWO OR MORE SPACED GROUPS OF SHIELDS	13/467447	US-2013-0300514-A1	US		11/14/2013
4665	CONTEXT-RETENTION CONTROLLER AND METHOD FOR CONTEXT RETENTION IN WIRELESS ACCESS NETWORKS	13/531111	US-2013-0165118-A1	US		6/27/2013
4666	SYSTEM AND METHOD FOR HIGH PERFORMANCE COHERENT PEAK COMPRESSION ESTIMATION	13/594616		US		
4667	TUNABLE WIDEBAND DISTRIBUTION CIRCUIT	13/594640	US-2014-0055218-A1	US		2/27/2014
4668	VARIABLE INDUCTOR FOR LC OSCILLATOR	13/720705	US-2014-0167867-A1	US		6/19/2014
4669	ADJUSTING TUNING SEGMENTS IN A DIGITALLY-CONTROLLED OSCILLATOR	13/901481	US-2014-0347137-A1	US		11/27/2014
4670	TEMPERATURE MEASUREMENT SYSTEM	13/904649	US-2014-0355650-A1	US		12/4/2014
4671	CALIBRATED TEMPERATURE MEASUREMENT SYSTEM	13/904743	US-2014-0355651-A1	US		12/4/2014
4672	SIGNAL DUTY CYCLE REDUCTION	13/907796	US-2014-0355701-A1	US		12/4/2014
4673	SYSTEM AND METHOD FOR SUPPORTING DIFFERENT TYPES OF OSCILLATOR CIRCUITS	13/911876	US-2013-0285755-A1	US		10/31/2013
4674	REDUCING TRANSMISSION SIGNAL ARTIFACT SPACING	13/912623	US-2014-0364132-A1	US		12/11/2014
4675	METHOD AND DEVICE FOR PROCESSING A SIGNAL BASED ON A FIRST AND A SECOND COVARIANCE MEASURE	13/927715	US-2015-0003260-A1	US		1/1/2015
4676	RADIO-FREQUENCY TRANSMITTER AND AMPLIFIER	13/968995	US-2014-0051374-A1	US		2/20/2014
4677	TEMPERATURE COMPENSATION CIRCUIT	13/971025	US-2013-0335136-A1	US		12/19/2013

SCHEDULE A

No.	TITLE	Filing Number	Publication Number	Jurisdiction	Filing Date	Publication Date
4678	METHOD FOR DETERMINING A TRANSMISSION DIRECTION FOR A COMMUNICATION A METHOD FOR DETERMINING A PRECODING MATRIX FOR A COMMUNICATION AND A DEVICE CONFIGURED TO DO THE SAME	14/022339	US-2015-0071367-A1	US		3/12/2015
4679	MOBILE RADIO COMMUNICATION DEVICES MOBILE RADIO COMMUNICATION NETWORKS AND METHODS FOR CONTROLLING THE SAME	14/025901	US-2015-0079971-A1	US		3/19/2015
4680	TECHNIQUES FOR DETERMINING COVARIANCE MEASURES BASED ON CORRELATION CRITERIA	14/026379	US-2015-0078428-A1	US		3/19/2015
4681	COMMUNICATION TERMINAL DEVICE AND METHOD FOR OPERATING A COMMUNICATION TERMINAL DEVICE	14/028583	US-2015-0078251-A1	US		3/19/2015
4682	POWER SAVING TECHNIQUE FOR DIGITAL TO TIME CONVERTERS	14/039996	US-2015-0091384-A1	US		4/2/2015
4683	TRANSMISSION CONTROL PROTOCOL (TCP) BASED VIDEO STREAMING	14/041446	US-2015-0095508-A1	US		4/2/2015
4684	SUBSCRIBER IDENTITY MODULE DATA ROUTING DEVICES METHODS FOR ROUTING SUBSCRIBER IDENTITY MODULE DATA CONTROL CIRCUITS AND METHODS FOR CONTROLLING A CHANGE OF A ROUTING	14/045955	US-2015-0099559-A1	US		4/9/2015
4685	COMMUNICATION DEVICE AND METHOD FOR PERFORMING RADIO COMMUNICATION	14/062982	US-2014-0349584-A1	US		11/27/2014
4686	SYSTEMS AND METHODS FOR TRACKING ELAPSED TIME	14/084946	US-2015-0143156-A1	US		5/21/2015
4687	DEVICE AND METHOD FOR CHANNEL ESTIMATION AND SIGNAL DEMODULATION	14/093769	US-2015-0156036-A1	US		6/4/2015
4688	USER EQUIPMENT AND METHOD FOR FEEDBACK OF USER EQUIPMENT PERFORMANCE METRICS DURING DYNAMIC RADIO SWITCHING	14/107400	US-2014-0323133-A1	US		10/30/2014
4689	USER EQUIPMENT AND METHODS FOR HANDOVER ENHANCEMENT USING SCALED TIME-TO-TRIGGER AND TIME-OF-STAY	14/107947	US-2014-0302851-A1	US		10/9/2014
4690	USER EQUIPMENT AND METHODS FOR CODEBOOK SUBSAMPLING FOR ENHANCED 4TX CODEBOOKS	14/108648	US-2014-0355705-A1	US		12/4/2014
4691	INTERACTIVE ZOOMING IN VIDEO CONFERENCING	14/109121	US-2014-0320587-A1	US		10/30/2014
4692	SEQUENCE GENERATION FOR CELL SPECIFIC REFERENCE SIGNAL (CRS)	14/122642	US-2015-0189677-A1	US	11/26/2013	7/2/2015
4693	DEVICE-TO-DEVICE DISCOVERY WITH DIRECT RADIO SIGNALS	14/122646	US-2014-0378123-A1	US	11/26/2013	12/25/2014
4694	USER EQUIPMENT AND METHOD FOR DISTRIBUTED CHANNEL ACCESS FOR D2D COMMUNICATIONS	14/124217	US-2014-0295858-A1	US	12/5/2013	10/2/2014

SCHEDULE A

No.	TITLE	Filing Number	Publication Number	Jurisdiction	Filing Date	Publication Date
4695	HYBRID BEAMFORMING FOR DATA TRANSMISSION	14/125258	US-2015-0139292-A1	US	12/10/2013	5/21/2015
4696	ORTHOGONAL BEAMFORMING FOR MULTIPLE USER MULTIPLE-INPUT AND MULTIPLE-OUTPUT (MU-MIMO)	14/125330	US-2014-0341048-A1	US	12/11/2013	11/20/2014
4697	REPORTING OF USER PLANE CONGESTION (UPCON) USING A UPCON CONTAINER	14/125600	US-2015-0036496-A1	US	12/12/2013	2/5/2015
4698	DYNAMIC CONFIGURATION OF UPLINK (UL) AND DOWNLINK (DL) FRAME RESOURCES FOR A TIME DIVISION DUPLEX (TDD) TRANSMISSION	14/125605	US-2015-0188690-A1	US	12/12/2013	7/2/2015
4699	COMMUNICATION OF SECURITY KEY INFORMATION	14/125606	US-2014-0307872-A1	US	12/12/2013	10/16/2014
4700	LAWFUL INTERCEPTION FOR DEVICE-TO-DEVICE (D2D) COMMUNICATION	14/125608	US-2015-0139087-A1	US	12/12/2013	5/21/2015
4701	WIRELESS LOCAL AREA NETWORK (WLAN) TRAFFIC OFFLOADING	14/125610	US-2014-0286159-A1	US	12/12/2013	9/25/2014
4702	METHOD AND SYSTEM FOR THE MANAGEMENT OF CELL INTERFERENCE IN A WIRELESS COMMUNICATION NETWORK	14/125726	US-2015-0036597-A1	US	12/12/2013	2/5/2015
4703	TECHNIQUES AND SYSTEMS FOR EXTENDED DISCONTINUOUS RECEPTION	14/125871	US-2015-0215989-A1	US	12/12/2013	7/30/2015
4704	CHANNEL STATE INFORMATION-REFERENCE SIGNAL PATTERNS FOR TIME DIVISION DUPLEX SYSTEMS IN LONG TERM EVOLUTION WIRELESS NETWORKS	14/126599	US-2014-0198675-A1	US	12/16/2013	7/17/2014
4705	USER EQUIPMENT WITH REDUCED POWER CONSUMPTION OPERATIONAL MODES	14/126723	US-2014-0269459-A1	US	12/16/2013	9/18/2014
4706	SYSTEMS AND METHODS FOR WLAN NETWORK SELECTION	14/126900	US-2014-0295913-A1	US	12/17/2013	10/2/2014
4707	FAST SMALL CELL DISCOVERY	14/127479	US-2014-0198676-A1	US	12/18/2013	7/17/2014
4708	DISCOVERY SIGNAL IN CLUSTER-BASED SMALL CELL	14/127482	US-2015-0004969-A1	US	12/18/2013	1/1/2015
4709	MAPPING SPECIAL SUBFRAMES IN A WIRELESS COMMUNICATION NETWORK	14/127891	US-2015-0009870-A1	US	12/19/2013	1/8/2015
4710	SYSTEMS AND METHODS FOR MOBILITY OPTIMIZATION IN A HETEROGENEOUS NETWORK	14/127923	US-2014-0198767-A1	US	12/19/2013	7/17/2014
4711	ENERGY-HARVESTING DEVICES IN WIRELESS NETWORKS	14/127928	US-2015-0201342-A1	US	12/19/2013	7/16/2015
4712	SYSTEMS AND METHODS FOR GENERATING A DISCOVERY SIGNAL IN A DEVICE-TO-DEVICE OR NETWORK COMMUNICATION	14/127929	US-2014-0198764-A1	US	12/19/2013	7/17/2014
4713	SHARED SPECTRUM REASSIGNMENT IN A SPECTRUM SHARING CONTEXT	14/128093	US-2014-0321425-A1	US	12/20/2013	10/30/2014
4714	SYSTEMS AND METHODS FOR ACCESS NETWORK SELECTION AND TRAFFIC ROUTING	14/128184	US-2015-0105076-A1	US	12/20/2013	4/16/2015

SCHEDULE A

No.	TITLE	Filing Number	Publication Number	Jurisdiction	Filing Date	Publication Date
4715	SYSTEMS AND METHODS FOR EFFICIENT TRAFFIC OFFLOAD WITHOUT SERVICE DISRUPTION	14/128217	US-2015-0223133-A1	US	12/20/2013	8/6/2015
4716	NETWORK ASSISTED DEVICE-TO-DEVICE DISCOVERY FOR PEER-TO-PEER APPLICATIONS	14/128301	US-2014-0206348-A1	US	12/20/2013	7/24/2014
4717	TECHNIQUES FOR BEAMFORMING TO MITIGATE MULTI-USER LEAKAGE AND INTERFERENCE	14/128614	US-2015-0200718-A1	US	12/22/2013	7/16/2015
4718	METHOD APPARATUS AND SYSTEM FOR HANDLING IN-DEVICE COEXISTENCE INTERFERENCE IN A WIRELESS NETWORK	14/128809	US-2014-0247759-A1	US	12/23/2013	9/4/2014
4719	CENTRALIZED PARTITIONING OF USER DEVICES IN A HETEROGENEOUS WIRELESS NETWORK	14/129197	US-2015-0201374-A1	US	12/24/2013	7/16/2015
4720	APPARATUS SYSTEM AND METHOD OF COMMUNICATING NON-CELLULAR ACCESS NETWORK INFORMATION OVER A CELLULAR NETWORK	14/129295	US-2015-0382281-A1	US	12/26/2013	12/31/2015
4721	TECHNIQUES FOR CONNECTIONLESS SMALL DATA TRANSMISSION	14/129951	US-2014-0334380-A1	US	12/28/2013	11/13/2014
4722	TECHNIQUES FOR USER PLANE CONGESTION MITIGATION	14/129952	US-2015-0201352-A1	US	12/28/2013	7/16/2015
4723	RADIO ACCESS TECHNOLOGY INFORMATION STORAGE IN A MOBILE NETWORK	14/132525	US-2014-0323128-A1	US		10/30/2014
4724	USER EQUIPMENT AND METHODS FOR ADAPTING SYSTEM PARAMETERS BASED ON EXTENDED PAGING CYCLES	14/132974	US-2014-0321343-A1	US		10/30/2014
4725	PLATFORM INDEPENDENT ANTENNA	14/134632	US-2015-0180123-A1	US		6/25/2015
4726	SYSTEM AND METHOD FOR INTERFERENCE CANCELLATION AND/OR SUPPRESSION ON PHYSICAL DOWNLINK SHARED CHANNEL AT THE USER EQUIPMENT	14/135265	US-2014-0321369-A1	US		10/30/2014
4727	PATTERN INDICATOR SIGNAL FOR NEW DMRS PATTERN	14/137500	US-2014-0302887-A1	US		10/9/2014
4728	NETWORK-LEVEL DEVICE PROXIMITY DETECTION	14/138175	US-2014-0248901-A1	US		9/4/2014
4729	DEVICE-TO-DEVICE (D2D) PREAMBLE DESIGN	14/140823	US-2014-0321360-A1	US		10/30/2014
4730	ENHANCED NODE B AND METHOD FOR RRC CONNECTION ESTABLISHMENT FOR SMALL DATA TRANSFERS	14/140932	US-2014-0301288-A1	US		10/9/2014
4731	ARCHITECTURE FOR WEB-BASED REAL-TIME COMMUNICATIONS (WEBRTC) TO ACCESS INTERNET PROTOCOL MULTIMEDIA SUBSYSTEM (IMS)	14/141034	US-2014-0325078-A1	US		10/30/2014
4732	VIRTUAL CARRIER SENSING MECHANISM FOR LONG TERM EVOLUTION (LTE)	14/141179	US-2014-0301354-A1	US		10/9/2014

SCHEDULE A

No.	TITLE	Filing Number	Publication Number	Jurisdiction	Filing Date	Publication Date
4733	NETWORK ASSISTED INTERFERENCE CANCELLATION AND SUPPRESSION WITH RESPECT TO INTERFERING CONTROL CHANNEL TRANSMISSIONS	14/141220	US-2014-0293890-A1	US		10/2/2014
4734	HANDOVER OF USER EQUIPMENT WITH NON-GBR BEARERS	14/141250	US-2014-0295849-A1	US		10/2/2014
4735	HARQ TIMING DESIGN FOR A TDD SYSTEM	14/141265	US-2014-0293842-A1	US		10/2/2014
4736	PROXIMITY-BASED SERVICES DISCOVERY PRIVACY	14/141843	US-2014-0357228-A1	US		12/4/2014
4737	RECONFIGURATION CONTROL CHANNEL RESOURCE MAPPING COLLISION AVOIDANCE	14/141876	US-2014-0301290-A1	US		10/9/2014
4738	APPARATUS AND METHOD FOR CONGESTION CONTROL IN WIRELESS COMMUNICATION NETWORKS	14/141985	US-2014-0321272-A1	US		10/30/2014
4739	APPARATUS AND METHOD FOR SINGLE-TONE DEVICE DISCOVERY IN WIRELESS COMMUNICATION NETWORKS	14/142021	US-2014-0185550-A1	US		7/3/2014
4740	COOPERATIVE MULTIPLE BEAM TRANSMISSION	14/142293	US-2015-0043439-A1	US		2/12/2015
4741	TIMING SYNCHRONIZATION IN DISCOVERY SIGNALS	14/142572	US-2014-0293988-A1	US		10/2/2014
4742	POWER SENSING IN WIRELESS SYSTEM	14/155374	US-2015-0372725-A1	US		12/24/2015
4743	SYSTEMS AND METHODS TO COMPENSATE FOR MEMORY EFFECTS USING ENHANCED MEMORY POLYNOMIALS	14/178930	US-2015-0229498-A1	US		8/13/2015
4744	APPARATUS SYSTEM AND METHOD OF IDENTIFYING A WIRELESS DOCKING STATION	14/198865	US-2015-0257183-A1	US		9/10/2015
4745	SYSTEMS METHODS AND DEVICES FOR DISTRIBUTED SETUP FOR A DEVICE-TO-DEVICE SESSION	14/226656	US-2015-0282228-A1	US		10/1/2015
4746	APPLICATION CONTEXT MIGRATION FRAMEWORK AND PROTOCOL	14/226684	US-2015-0089382-A1	US		3/26/2015
4747	APPARATUS SYSTEM AND METHOD OF CONTROLLING A WIRELESS DOCKING DEVICE	14/227395	US-2015-0282073-A1	US		10/1/2015
4748	TECHNIQUES FOR WIRELESS NETWORK DISCOVERY AND SELECTION SUPPORT	14/227937	US-2014-0293982-A1	US		10/2/2014
4749	USER EQUIPMENT GENERATION AND SIGNALING OF FEEDBACK FOR SUPPORTING ADAPTIVE DEMODULATION REFERENCE SIGNAL TRANSMISSION	14/229529	US-2015-0282123-A1	US		10/1/2015
4750	MULTI-STANDARD SYSTEMS AND METHODS WITH INTERFERER MITIGATION	14/230275	US-2015-0282099-A1	US		10/1/2015
4751	DOWNTILT SELECTION IN A FULL DIMENSIONAL MULTIPLE-INPUT MULTIPLE-OUTPUT SYSTEM	14/231158	US-2015-0029875-A1	US		1/29/2015

SCHEDULE A

No.	TITLE	Filing Number	Publication Number	Jurisdiction	Filing Date	Publication Date
4752	DYNAMICAL TIME DIVISION DUPLEX UPLINK AND DOWNLINK CONFIGURATION IN A COMMUNICATIONS NETWORK	14/247675	US-2015-0029910-A1	US		1/29/2015
4753	NETWORK COVERAGE HOLE DETECTION	14/255216	US-2015-0031308-A1	US		1/29/2015
4754	SYSTEMS AND METHODS FOR ENHANCING PROBABILITY OF INTERNAL MEASUREMENTS IN CROWDED ENVIRONMENTS	14/276555	US-2015-0333779-A1	US		11/19/2015
4755	USER EQUIPMENT AND METHODS FOR FAST HANDOVER FAILURE RECOVERY IN 3GPP LTE NETWORK	14/279562	US-2015-0078335-A1	US		3/19/2015
4756	USER EQUIPMENT AND METHOD FOR PACKET BASED DEVICE-TO-DEVICE (D2D) DISCOVERY IN AN LTE NETWORK	14/280799	US-2015-0045016-A1	US		2/12/2015
4757	CELL SEARCH METHOD AND COMMUNICATION TERMINAL	14/287086	US-2015-0341813-A1	US		11/26/2015
4758	COVERAGE EXTENSION LEVEL FOR COVERAGE LIMITED DEVICE	14/300937	US-2015-0043445-A1	US		2/12/2015
4759	SYSTEM AND METHOD FOR GENERATING A DATA DEPENDENT CLOCK FOR A DAC IN A MODULATOR	14/303945	US-2015-0365113-A1	US		12/17/2015
4760	COVERAGE EXTENSION LEVEL FOR COVERAGE LIMITED DEVICE	14/311938	US-2015-0043420-A1	US		2/12/2015
4761	USER EQUIPMENT AND EVOLVED NODE-B SUPPORTING MACHINE TYPE COMMUNICATION AND SMALL DATA COMMUNICATION	14/313818	US-2015-0029918-A1	US		1/29/2015
4762	APPARATUS SYSTEM AND METHOD OF STEERING DATA RADIO BEARER TRAFFIC TO A WIRELESS LOCAL AREA NETWORK LINK	14/314256	US-2015-0043447-A1	US		2/12/2015
4763	CONGESTION MEASUREMENT AND REPORTING FOR REAL-TIME DELAY-SENSITIVE APPLICATIONS	14/314850	US-2015-0078171-A1	US		3/19/2015
4764	SIGNALING FOR PROXIMITY SERVICES AND D2D DISCOVERY IN AN LTE NETWORK	14/314957	US-2015-0043448-A1	US		2/12/2015
4765	APPARATUS SYSTEM AND METHOD OF INTERFACING BETWEEN A CELLULAR MANAGER AND A WLAN ACCESS DEVICE	14/315551	US-2015-0109997-A1	US		4/23/2015
4766	SYSTEMS METHODS AND DEVICES FOR DEVICE-TO-DEVICE DISCOVERY	14/316156	US-2015-0085764-A1	US		3/26/2015
4767	SYSTEMS METHODS AND DEVICES FOR EFFICIENT DEVICE-TO-DEVICE CHANNEL CONTENTION	14/316175	US-2015-0117332-A1	US		4/30/2015
4768	TRANSMISSION OF PHYSICAL BROADCAST CHANNEL (PBCH) CONTENTS	14/316180	US-2015-0078348-A1	US		3/19/2015
4769	DRX OPERATION FOR UL/DL RECONFIGURATION	14/316188	US-2015-0078349-A1	US		3/19/2015
4770	SIGNALING MESSAGE SYNCHRONIZATION	14/316412	US-2015-0029955-A1	US		1/29/2015

SCHEDULE A

No.	TITLE	Filing Number	Publication Number	Jurisdiction	Filing Date	Publication Date
4771	APPARATUS SYSTEM AND METHOD OF SELECTIVELY PROVIDING INTERNET PROTOCOL (IP) SESSION CONTINUITY	14/316825	US-2015-0029956-A1	US		1/29/2015
4772	SYSTEMS METHODS AND DEVICES WITH DIFFERENT RADIO LINK FAILURE TIMERS BASED ON USER EQUIPMENT SPEED	14/317184	US-2015-0087317-A1	US		3/26/2015
4773	HIGH-ORDER SIGMA DELTA FOR A DIVIDER-LESS DIGITAL PHASE-LOCKED LOOP	14/317435	US-2015-0381188-A1	US		12/31/2015
4774	GENERATION OF RANDOM ACCESS PREAMBLES	14/317450	US-2015-0078264-A1	US		3/19/2015
4775	REDUCTION OF PACKET RETRANSMISSIONS IN DUAL CONNECTIVITY SYSTEMS	14/317837	US-2015-0085646-A1	US		3/26/2015
4776	MITIGATION OF TRAFFIC CONGESTION IN DUAL CONNECTIVITY SYSTEMS	14/317900	US-2015-0085667-A1	US		3/26/2015
4777	SIGNALING RADIO BEARER OPTIMIZATIONS AND OTHER TECHNIQUES FOR SUPPORTING SMALL DATA TRANSMISSIONS	14/318008	US-2015-0043449-A1	US		2/12/2015
4778	METHOD AND EVOLVED NODE-B FOR GEOGRAPHIC BIN DATA COLLECTION AND REPORTING	14/318076	US-2015-0195805-A1	US		7/9/2015
4779	POWER SAVING MODE OPTIMIZATIONS AND RELATED PROCEDURES	14/318085	US-2015-0043403-A1	US		2/12/2015
4780	SYSTEMS METHODS AND DEVICES FOR TRAFFIC OFFLOADING	14/318098	US-2015-0092553-A1	US		4/2/2015
4781	HARQ TIMELINES FOR TDD-FDD CARRIER AGGREGATION	14/318143	US-2015-0085713-A1	US		3/26/2015
4782	AUTONOMOUS ENHANCED NODE B	14/318351	US-2015-0195706-A1	US		7/9/2015
4783	TECHNIQUES FOR EFFICIENT SMALL CELL DISCOVERY	14/318452	US-2015-0029919-A1	US		1/29/2015
4784	DIGITAL-TO-TIME CONVERTER SPUR REDUCTION	14/318829	US-2015-0381214-A1	US		12/31/2015
4785	DISCONTINUOUS RECEPTION (DRX) CONTROLLER AND METHOD FOR DRX OPERATION	14/321015	US-2014-0362754-A1	US		12/11/2014
4786	ENABLING DIRECT TRANSPORT LAYER CONNECTIVITY	14/332533	US-2015-0029936-A1	US		1/29/2015
4787	USER EQUIPMENT REALLOCATION BETWEEN NODES	14/332661	US-2015-0043404-A1	US		2/12/2015
4788	SELECTING A RADIO NODE FOR DATA TRAFFIC OFFLOADING	14/338638	US-2015-0029879-A1	US		1/29/2015
4789	METRICS FOR TRAFFIC STEERING IN A WIRELESS NETWORK	14/339710	US-2015-0111569-A1	US		4/23/2015
4790	COVERAGE ENHANCEMENT AND SEMI-PERSISTENT SCHEDULING SUPPORT IN LTE-TDD SYSTEMS	14/340639	US-2015-0109972-A1	US		4/23/2015
4791	USER EQUIPMENT (UE) SUPPORTING PACKET-SWITCHED EMERGENCY CALLS OVER IP MULTIMEDIA SUBSYSTEM (IMS)	14/340936	US-2015-0109965-A1	US		4/23/2015

SCHEDULE A

No.	TITLE	Filing Number	Publication Number	Jurisdiction	Filing Date	Publication Date
4792	APPARATUS AND METHOD FOR DETERMINING INFORMATION ON A POWER VARIATION OF A TRANSMIT SIGNAL	14/341115	US-2015-0035545-A1	US		2/5/2015
4793	MANAGEMENT TECHNIQUES FOR WIRELESS NETWORK MOBILITY PROCEDURES	14/411498	US-2015-0146532-A1	US	12/27/2014	5/28/2015
4794	DECODER AND METHOD FOR DECODING AN ENCODED SEQUENCE OF BITS	14/445146	US-2016-0036465-A1	US		2/4/2016
4795	FINE TIMING MEASUREMENT BURST MANAGEMENT	14/448805	US-2015-0271776-A1	US		9/24/2015
4796	METHOD AND DEVICE FOR ITERATIVE DECODING A DATA TRANSFER STRUCTURE	14/449554	US-2016-0036468-A1	US		2/4/2016
4797	USER EQUIPMENT DISTRIBUTION INFORMATION COLLECTION	14/451694	US-2015-0045043-A1	US		2/12/2015
4798	TECHNIQUES FOR DEVICE-TO-DEVICE COMMUNICATIONS	14/454639	US-2015-0043398-A1	US		2/12/2015
4799	COMMUNICATION TERMINAL AND METHOD FOR CONTROLLING A CELL RESELECTION	14/459379	US-2016-0050597-A1	US		2/18/2016
4800	COMMUNICATION TERMINAL AND METHOD FOR CONTROLLING A DATA TRANSMISSION	14/472396	US-2016-0066335-A1	US		3/3/2016
4801	DATA PROCESSING DEVICE AND METHOD FOR DETERMINING A CLOCK RELATIONSHIP	14/474332	US-2015-0074444-A1	US		3/12/2015
4802	MOBILE TERMINALS AND METHODS FOR PERFORMING A MEASUREMENT	14/474333	US-2015-0071101-A1	US		3/12/2015
4803	TECHNIQUES AND CONFIGURATIONS ASSOCIATED WITH MACHINE TYPE COMMUNICATION IN ENHANCED COVERAGE MODE	14/479825	US-2015-0078224-A1	US		3/19/2015
4804	TECHNIQUES FOR FILTERING CANDIDATE CELLS	14/480807	US-2015-0071103-A1	US		3/12/2015
4805	EVOLVED NODE-B AND USER EQUIPMENT AND METHODS FOR OPERATION IN A COVERAGE ENHANCEMENT MODE	14/481396	US-2015-0215910-A1	US		7/30/2015
4806	SYSTEMS DEVICES AND METHODS FOR ALIGNMENT PROCEDURES IN DUAL-CONNECTIVITY NETWORKS	14/481508	US-2015-0327322-A1	US		11/12/2015
4807	USER EQUIPMENT AND METHOD FOR TRANSMIT POWER CONTROL FOR D2D TRANSMISSIONS	14/482060	US-2015-0223141-A1	US		8/6/2015
4808	TECHNIQUES FOR COMMUNICATION BETWEEN SERVICE CAPABILITY SERVER AND INTERWORKING FUNCTION FOR DEVICE TRIGGER RECALL/REPLACE	14/483620	US-2015-0195672-A1	US		7/9/2015
4809	WIRELESS LOCAL AREA NETWORK (WLAN) CONNECTIVITY OPTION DISCOVERY	14/485002	US-2015-0117425-A1	US		4/30/2015
4810	CONGESTION CONTROL FOR SHORT MESSAGE SERVICE IN 3RD GENERATION PARTNERSHIP PROJECT (3GPP) SYSTEMS	14/486651	US-2015-0078154-A1	US		3/19/2015

SCHEDULE A

No.	TITLE	Filing Number	Publication Number	Jurisdiction	Filing Date	Publication Date
4811	DELIVERY OF TARGETED MEDIA CONTENT	14/487349	US-2015-0081851-A1	US		3/19/2015
4812	CONTENT ACCESS AUTHENTICATION FOR DYNAMIC ADAPTIVE STREAMING OVER HYPERTEXT TRANSFER PROTOCOL	14/487714	US-2015-0113604-A1	US		4/23/2015
4813	MEASUREMENT GAP REPETITION PATTERNS FOR INTER-FREQUENCY OFFLOADING IN HETEROGENEOUS WIRELESS NETWORKS	14/488774	US-2015-0215837-A1	US		7/30/2015
4814	USER EQUIPMENT AND METHODS FOR OPERATION IN COVERAGE ENHANCEMENT MODE WITH PHYSICAL RANDOM ACCESS CHANNEL PREAMBLE	14/489874	US-2015-0215911-A1	US		7/30/2015
4815	RADIO LINK FAILURE HANDLING FOR DUAL CONNECTIVITY	14/491639	US-2015-0117183-A1	US		4/30/2015
4816	APPARATUS SYSTEM AND METHOD OF ACCESS NETWORK DISCOVERY AND SELECTION FUNCTION (ANDSF) FOR TRAFFIC OFFLOADING	14/492035	US-2015-0195759-A1	US		7/9/2015
4817	APPARATUS SYSTEM AND METHOD OF PROVIDING OFFLOADABILITY INFORMATION TO A USER-EQUIPMENT (UE)	14/492039	US-2015-0195743-A1	US		7/9/2015
4818	APPARATUS SYSTEM AND METHOD OF CONTROLLING RADIO ACCESS TECHNOLOGY (RAT) COMMUNICATION MANAGERS	14/492342	US-2015-0215835-A1	US		7/30/2015
4819	APPARATUS SYSTEM AND METHOD OF SECURING COMMUNICATIONS OF A USER EQUIPMENT (UE) IN A WIRELESS LOCAL AREA NETWORK	14/492356	US-2015-0215777-A1	US		7/30/2015
4820	MOBILITY INFORMATION REPORTING	14/494161	US-2015-0111581-A1	US		4/23/2015
4821	SYSTEMS METHODS AND DEVICES FOR APPLICATION AWARE ACCESS CONTROL FOR COMMUNICATION ON A MOBILE NETWORK	14/494169	US-2015-0195712-A1	US		7/9/2015
4822	PHASE TRACKER FOR A PHASE LOCKED LOOP	14/494718	US-2016-0087639-A1	US		3/24/2016
4823	RANDOM ACCESS PROCEDURE FOR DUAL CONNECTIVITY	14/495292	US-2015-0215967-A1	US		7/30/2015
4824	EMERGENCY CALL HANDLING	14/495469	US-2015-0111517-A1	US		4/23/2015
4825	TECHNIQUES AND CONFIGURATIONS ASSOCIATED WITH USER EQUIPMENT-INITIATED CONGESTION REPORTING	14/495704	US-2015-0117187-A1	US		4/30/2015
4826	POWER HEADROOM REPORTING WITH DUAL CONNECTIVITY	14/495729	US-2015-0195796-A1	US		7/9/2015
4827	BEARER SPLIT RATIOS FOR DUAL CONNECTIVITY SYSTEMS	14/496152	US-2015-0085800-A1	US		3/26/2015
4828	TRAJECTORY MODIFICATION TECHNIQUE FOR POLAR TRANSMITTER	14/496519	US-2016-0094251-A1	US		3/31/2016

SCHEDULE A

No.	TITLE	Filing Number	Publication Number	Jurisdiction	Filing Date	Publication Date
4829	SYSTEMS METHODS AND DEVICES FOR MULTIPLE SIGNAL CO-EXISTENCE IN MULTIPLE-USE FREQUENCY SPECTRUM	14/496694	US-2015-0195849-A1	US		7/9/2015
4830	SYSTEMS METHODS AND DEVICES FOR CHANNEL RESERVATION	14/496725	US-2015-0223075-A1	US		8/6/2015
4831	EFFICIENT RECEIVER YIELDING FOR DISTRIBUTED D2D COMMUNICATIONS	14/496842	US-2015-0215088-A1	US		7/30/2015
4832	SYSTEMS AND METHODS FOR MODULATION AND CODING SCHEME SELECTION AND CONFIGURATION	14/496970	US-2015-0195818-A1	US		7/9/2015
4833	SYSTEMS METHODS AND DEVICES FOR IMPROVED INTER-FREQUENCY MEASUREMENT	14/497514	US-2015-0215803-A1	US		7/30/2015
4834	ENABLING D2D FUNCTIONALITY FOR PUBLIC SAFETY APPLICATIONS	14/497913	US-2015-0215757-A1	US		7/30/2015
4835	METHODS DEVICES AND COMPUTER READABLE MEDIA FOR DYNAMIC SCHEDULING	14/497934	US-2016-0094322-A1	US		3/31/2016
4836	SYSTEMS METHODS AND DEVICES TO SUPPORT A FAST TDD CONFIGURATION INDICATION	14/498441	US-2015-0195056-A1	US		7/9/2015
4837	SYSTEMS AND METHODS FOR MODULATION AND CODING SCHEME SELECTION AND CONFIGURATION	14/498502	US-2015-0195819-A1	US		7/9/2015
4838	SYSTEMS METHODS AND DEVICES FOR HYBRID FULL-DIMENSIONAL MULTIPLE-INPUT MULTIPLE-OUTPUT	14/498517	US-2015-0195020-A1	US		7/9/2015
4839	SYSTEMS METHODS AND DEVICES FOR SELECTIVE INTERFERENCE COORDINATION IN A CELLULAR PROTOCOL	14/498679	US-2015-0215100-A1	US		7/30/2015
4840	SYSTEMS METHODS AND DEVICES FOR ENHANCING SPECTRAL EFFICIENCY WITH NETWORK-ASSISTED ADVANCED RECEIVERS	14/499178	US-2015-0195820-A1	US		7/9/2015
4841	DEVICE SYSTEM AND METHOD OF CONFIGURING A RADIO TRANSCEIVER	14/506194	US-2015-0244400-A1	US		8/27/2015
4842	GATEWAY ARRANGEMENTS FOR WIRELESS COMMUNICATION NETWORKS	14/513041	US-2015-0117408-A1	US		4/30/2015
4843	APPLICATION SPECIFIC CONGESTION CONTROL IN A WIRELESS NETWORK	14/517698	US-2015-0215845-A1	US		7/30/2015
4844	CONTROLLING SUBSCRIBER IDENTITY MODULE (SIM) ACTIVE STATE IN A MULTIPLE SIMs RADIO	14/517868	US-2016-0112084-A1	US		4/21/2016
4845	LOAD BALANCING IN A WIRELESS CELLULAR NETWORK BASED ON USER EQUIPMENT MOBILITY	14/535651	US-2015-0312826-A1	US		10/29/2015
4846	CHANNEL RESERVATION FOR OPERATION IN AN UNLICENSED SPECTRUM	14/543670	US-2015-0312793-A1	US		10/29/2015
4847	DYNAMIC DECLARATION OF CONFORMITY AND CERTIFICATION FOR RADIO APPLICATION DISTRIBUTION	14/543731	US-2015-0312697-A1	US		10/29/2015

SCHEDULE A

No.	TITLE	Filing Number	Publication Number	Jurisdiction	Filing Date	Publication Date
4848	METHOD AND DEVICE FOR DETECTING INTERFERENCE SCENARIO	14/546183	US-2015-0156724-A1	US		6/4/2015
4849	TRANSCIVER DEVICE AND A METHOD FOR GENERATING A COMPENSATION SIGNAL	14/550277	US-2015-0180685-A1	US		6/25/2015
4850	METHOD BASEBAND SIGNAL GENERATOR AND COMPUTER PROGRAM FOR PROVIDING A BASEBAND SIGNAL	14/550412	US-2015-0180690-A1	US		6/25/2015
4851	REFERENCE SIGNAL ENHANCEMENT FOR SHARED CELL	14/555259	US-2015-0270936-A1	US		9/24/2015
4852	COMMUNICATION TERMINAL AND METHOD FOR DETERMINING A POWER SCALING FACTOR	14/556863	US-2015-0208362-A1	US		7/23/2015
4853	APPARATUS SYSTEM AND METHOD OF COMMUNICATING WIRELESS LOCAL AREA NETWORK (WLAN) OFFLOADING INFORMATION BETWEEN CELLULAR MANAGERS	14/562730	US-2015-0327117-A1	US		11/12/2015
4854	METHOD APPARATUS AND COMPUTER READABLE MEDIUM FOR SWITCHING BETWEEN LOWER ENERGY AND HIGHER ENERGY WIRELESS COMMUNICATION TECHNIQUES	14/565868	US-2015-0264514-A1	US		9/17/2015
4855	METHOD OF PROCESSING RECEIVED DIGITIZED SIGNALS AND MOBILE RADIO COMMUNICATION TERMINAL DEVICE	14/566736	US-2016-0174138-A1	US		6/16/2016
4856	SYSTEMS APPARATUSES AND METHODS FOR MANAGING USER EQUIPMENT MOBILITY INFORMATION	14/569295	US-2016-0173358-A1	US		6/16/2016
4857	INJECTION LOCKED RING OSCILLATOR BASED DIGITAL-TO-TIME CONVERTER AND METHOD FOR PROVIDING A FILTERED INTERPOLATED PHASE SIGNAL	14/570299	US-2016-0173119-A1	US		6/16/2016
4858	APPARATUSES SYSTEMS AND METHODS FOR DIFFERENTIATION OF PAYLOAD SIZE FOR D2D DISCOVERY	14/570457	US-2015-0271657-A1	US		9/24/2015
4859	APPARATUS AND METHODS FOR A CAPACITIVE DIGITAL-TO- ANALOG CONVERTER BASED POWER AMPLIFIER	14/570879	US-2016-0173032-A1	US		6/16/2016
4860	RADIO-FREQUENCY TRANSMITTER AND AMPLIFIER	14/570882	US-2015-0171900-A1	US		6/18/2015
4861	MOBILITY MANAGEMENT ENTITY USER EQUIPMENT AND METHODS FOR MACHINE TYPE COMMUNICATION	14/571025	US-2015-0327327-A1	US		11/12/2015
4862	USER EQUIPMENT AND METHODS FOR MEASUREMENT OF REFERENCE SIGNAL RECEIVED QUALITY	14/571053	US-2015-0312817-A1	US		10/29/2015
4863	RADIO COMMUNICATION DEVICE AND METHOD FOR OPERATION THEREOF	14/571414	US-2016-0174289-A1	US		6/16/2016
4864	CELLULAR UP-LINK HARMONIC SPURS MITIGATION IN WI-FI AND BLUETOOTH RECEIVERS	14/571827	US-2016-0173209-A1	US		6/16/2016

SCHEDULE A

No.	TITLE	Filing Number	Publication Number	Jurisdiction	Filing Date	Publication Date
4865	UE ENB AND METHOD FOR CHANNEL ACCESS PRIORITY FOR DISTRIBUTED D2D	14/572309	US-2015-0312915-A1	US		10/29/2015
4866	SUBSCRIBER IDENTITY MODULE PROVIDER APPARATUS FOR OVER-THE-AIR PROVISIONING OF SUBSCRIBER IDENTITY MODULE CONTAINERS AND METHODS	14/573132	US-2016-0183086-A1	US		6/23/2016
4867	USER EQUIPMENT AND METHOD FOR TRANSMITTING A DATA STREAM TO AN EVOLVED NODE B	14/575448	US-2016-0183218-A1	US		6/23/2016
4868	CALIBRATING RF PATH DELAY AND IQ PHASE IMBALANCE FOR POLAR TRANSMIT SYSTEM	14/575733	US-2016-0182162-A1	US		6/23/2016
4869	STORING A VALUE OF A COUNTER FOR A WIRELESS LOCAL AREA NETWORK	14/575876	US-2015-0309853-A1	US		10/29/2015
4870	SYSTEM AND METHOD FOR TUNING AN ANTENNA IN A WIRELESS COMMUNICATION DEVICE	14/575921	US-2015-0171897-A1	US		6/18/2015
4871	HIGH-SPEED DIGITAL SIGNAL PROCESSING SYSTEMS	14/575939		US		
4872	APPARATUSES SYSTEMS AND METHODS FOR MEASURING QUALITY OF CELL DISCOVERY SIGNAL	14/577419	US-2015-0264636-A1	US		9/17/2015
4873	TRAFFIC ENGINEERING IN HETEROGENEOUS MILLIMETER-WAVE AND LTE SMALL CELL SYSTEMS	14/577766	US-2016-0183242-A1	US		6/23/2016
4874	COARSE TUNING SELECTION FOR PHASE LOCKED LOOPS	14/578773	US-2016-0182065-A1	US		6/23/2016
4875	USER EQUIPMENT AND METHODS FOR HANDOVER USING MEASUREMENT REPORTING BASED ON MULTIPLE EVENTS	14/578961	US-2015-0312818-A1	US		10/29/2015
4876	SYSTEMS METHODS AND DEVICES FOR LTE WI-FI AND BLUETOOTH COEXISTENCE	14/579402	US-2016-0183282-A1	US		6/23/2016
4877	SYSTEM AND METHOD FOR TDD COMMUNICATIONS	14/580024	US-2016-0020891-A1	US		1/21/2016
4878	METHOD AND RELATED MOBILE DEVICE FOR REFERENCE SIGNAL TIME DIFFERENCE BASED LOCALIZATION	14/580685	US-2015-0215884-A1	US		7/30/2015
4879	SYSTEMS METHODS AND DEVICES FOR OPPORTUNISTIC NETWORKING	14/580735	US-2015-0264699-A1	US		9/17/2015
4880	SYSTEMS METHODS AND DEVICES FOR CELL SELECTION BASED ON PRIORITIZED NODES	14/580779	US-2015-0327133-A1	US		11/12/2015
4881	SYSTEMS METHODS AND DEVICES FOR APPLICATION SPECIFIC ROUTING IN DUAL CONNECTIVITY	14/580797	US-2015-0215840-A1	US		7/30/2015
4882	APPARATUS AND METHOD FOR PROVIDING OSCILLATOR SIGNALS	14/580952	US-2016-0156310-A1	US		6/2/2016
4883	METHOD AND APPARATUS TO ASSIST NETWORK TRAFFIC	14/581216	US-2015-0215220-A1	US		7/30/2015

SCHEDULE A

No.	TITLE	Filing Number	Publication Number	Jurisdiction	Filing Date	Publication Date
4884	METHODS SYSTEMS AND DEVICES FOR MODULATION AND CODING SCHEME SIGNALING FOR COMMON CONTROL CHANNEL	14/581619	US-2015-0271006-A1	US		9/24/2015
4885	TENTATIVE GRANT FOR EFFICIENT DEVICE-TO- DEVICE COMMUNICATIONS	14/581770	US-2015-0327296-A1	US		11/12/2015
4886	TECHNIQUES TO MANAGE RADIO FREQUENCY CHAINS	14/581889	US-2015-0327103-A1	US		11/12/2015
4887	COMMUNICATION SYSTEMS AND METHODS	14/581938	US-2015-0373682-A1	US		12/24/2015
4888	SYSTEMS METHODS AND DEVICES FOR DEVICE-TO-DEVICE DISCOVERY AND COMMUNICATION	14/582035	US-2015-0264552-A1	US		9/17/2015
4889	INTERACTIVE VIDEO CONFERENCING	14/582376	US-2015-0195490-A1	US		7/9/2015
4890	SCHEDULING FOR AN UNLICENSED CARRIER TYPE	14/582379	US-2015-0245376-A1	US		8/27/2015
4891	SYSTEMS METHODS AND DEVICES FOR FLEXIBLE RETRANSMISSIONS	14/582492	US-2015-0327275-A1	US		11/12/2015
4892	SYSTEMS METHODS AND DEVICES FOR SYNCHRONIZATION SOURCE SELECTION FOR DEVICE-TO-DEVICE COMMUNICATION	14/582580	US-2015-0327201-A1	US		11/12/2015
4893	SYSTEMS METHODS AND DEVICES FOR DEVICE-TO-DEVICE COMMUNICATION MODE SELECTION	14/582611	US-2015-0264677-A1	US		9/17/2015
4894	APPARATUS AND METHODS FOR REDUCING SOFT BUFFER SIZE IN MTC DEVICES	14/582612	US-2015-0312371-A1	US		10/29/2015
4895	APPARATUS METHOD AND SYSTEM OF ESTABLISHING A CONNECTION BETWEEN A CELLULAR NODE AND A CORE NETWORK	14/582879	US-2015-0312841-A1	US		10/29/2015
4896	MEASUREMENT GAP PATTERNS	14/582998	US-2015-0245235-A1	US		8/27/2015
4897	SYSTEMS DEVICES AND METHODS FOR LONG TERM EVOLUTION AND WIRELESS LOCAL AREA INTERWORKING	14/583027	US-2015-0327139-A1	US		11/12/2015
4898	CLIENT/SERVER SIGNALING COMMANDS FOR DASH	14/583036	US-2015-0195328-A1	US		7/9/2015
4899	SYSTEMS DEVICES AND METHODS FOR INTERWORKING BETWEEN A UNIVERSAL MOBILE TELECOMMUNICATIONS SYSTEM (UMTS) NETWORK AND A WIRELESS LOCAL AREA NETWORK (WLAN)	14/583057	US-2015-0271729-A1	US		9/24/2015
4900	CONVEYANCE OF APPLICATION COMMUNICATION PATTERNS FROM AN EXTERNAL APPLICATION SERVER TO A 3RD GENERATION PARTNERSHIP PROJECT SYSTEM	14/583168	US-2015-0264512-A1	US		9/17/2015
4901	SYSTEMS METHODS AND DEVICES FOR PRIORITIZING INTER-FREQUENCY MEASUREMENTS	14/583263	US-2015-0327286-A1	US		11/12/2015

SCHEDULE A

No.	TITLE	Filing Number	Publication Number	Jurisdiction	Filing Date	Publication Date
4902	ENHANCED NODE B UE AND METHOD FOR SELECTING CELL DISCOVERY SIGNALS IN LTE NETWORKS	14/583281	US-2015-0264638-A1	US		9/17/2015
4903	SYSTEMS METHODS AND DEVICES FOR CONFIGURING MEASUREMENT GAPS FOR DUAL CONNECTIVITY	14/583283	US-2015-0327104-A1	US		11/12/2015
4904	METHODS FOR APERIODIC CSI REPORT TRIGGERING FOR FLEXIBLE SUBFRAMES IN LTE TDD EIMTA SYSTEMS WITH DYNAMIC UL-DL RECONFIGURATION	14/583595	US-2016-0381587-A1	US	12/27/2014	12/29/2016
4905	DISCONTINUOUS RECEPTION (DRX) ALIGNMENT TECHNIQUES FOR DUAL-CONNECTIVITY ARCHITECTURES	14/583653	US-2015-0195867-A1	US		7/9/2015
4906	PROVISIONING OF APPLICATION CATEGORIES AT A USER EQUIPMENT DURING NETWORK CONGESTION	14/590772	US-2015-0117213-A1	US		4/30/2015
4907	APPARATUS AND A METHOD FOR DETERMINING INFORMATION ON AN AMPLITUDE ERROR OF A TRANSMIT SIGNAL	14/591210	US-2015-0244504-A1	US		8/27/2015
4908	COMMUNICATION TERMINAL AND A METHOD FOR REPORTING A CHANNEL QUALITY	14/593024	US-2015-0230237-A1	US		8/13/2015
4909	CIRCUIT AN INTEGRATED CIRCUIT A TRANSMITTER A RECEIVER A TRANSCIVER A METHOD FOR OBTAINING CALIBRATION DATA AND A METHOD FOR GENERATING A LOCAL OSCILLATOR SIGNAL	14/620488	US-2015-0280842-A1	US		10/1/2015
4910	ELECTRONIC DEVICES AND METHOD OF CONTROLLING AN ELECTRONIC DEVICE	14/623574	US-2016-0239057-A1	US		8/18/2016
4911	HIGH LINEARITY PUSH-PULL COMMON-GATE AMPLIFIER	14/629793	US-2016-0248390-A1	US		8/25/2016
4912	QUANTIZATION CIRCUIT AND METHOD FOR QUANTIZING AN INPUT QUANTITY	14/630953	US-2015-0280724-A1	US		10/1/2015
4913	NON-ORTHOGONAL MULTIPLE ACCESS (NOMA) WIRELESS SYSTEMS AND METHODS	14/632291	US-2015-0312074-A1	US		10/29/2015
4914	HYSTERETIC CURRENT CONTROL WITH EVENT DITHERING	14/643239	US-2016-0268889-A1	US		9/15/2016
4915	TECHNIQUES FOR DEPLOYING SMALL CELLS AS SECONDARY CELLS FOR USER EQUIPMENT	14/652478	US-2015-0341838-A1	US	6/16/2015	11/26/2015
4916	PUCCH RESOURCE COMPRESSION FOR EPDCCH IN TDD MODE	14/652590	US-2015-0341922-A1	US	6/16/2015	11/26/2015
4917	CHANNEL QUALITY INDICATION FOR FALLBACK TRANSMISSION MODE OVER NEW CARRIER TYPE	14/652600	US-2015-0327247-A1	US	6/16/2015	11/12/2015
4918	METHOD APPARATUS AND SYSTEM FOR MANAGING BEARERS IN A WIRELESS COMMUNICATION SYSTEM	14/653221	US-2015-0351139-A1	US	6/17/2015	12/3/2015
4919	CONTENT URL AUTHENTICATION FOR DASH	14/653451	US-2015-0350205-A1	US	6/18/2015	12/3/2015

SCHEDULE A

No.	TITLE	Filing Number	Publication Number	Jurisdiction	Filing Date	Publication Date
4920	PRESENCE SERVICE USING IMS BASED DASH SERVICE	14/653455	US-2015-0334152-A1	US	6/18/2015	11/19/2015
4921	DASH-AWARE NETWORK APPLICATION FUNCTION (D-NAF)	14/653779	US-2015-0326572-A1	US	6/18/2015	11/12/2015
4922	METHOD FOR PERFORMING MOBILE COMMUNICATIONS AND MOBILE TERMINAL DEVICE	14/656811		US		
4923	USER EQUIPMENT PORT CONTROL PROTOCOL SERVER AND METHODS FOR SIGNALING DEVICE AND APPLICATION FEEDBACK	14/659655	US-2015-0195750-A1	US		7/9/2015
4924	METHOD AND DEVICE FOR PROCESSING RESOURCE BLOCKS	14/660029	US-2015-0270934-A1	US		9/24/2015
4925	METHOD AND DEVICE FOR INTERFERER SCHEDULING DETECTION AND NOISE AND INTERFERER PARAMETER ESTIMATION	14/660094	US-2015-0271687-A1	US		9/24/2015
4926	TERMINAL DEVICE AND MOBILE RADIO COMMUNICATION BY TERMINAL DEVICE	14/661074	US-2016-0278072-A1	US		9/22/2016
4927	METHOD AND RELATED MOBILE DEVICE FOR CELL SEARCHING WITH LOW MEMORY REQUIREMENT	14/661439	US-2015-0282055-A1	US		10/1/2015
4928	METHOD AND RELATED MOBILE DEVICE FOR DETERMINING A REFERENCE SIGNAL RECEIVED POWER	14/661552	US-2015-0281988-A1	US		10/1/2015
4929	ADJUSTING POWER AMPLIFIER STIMULI BASED ON OUTPUT SIGNALS	14/663640	US-2016-0277045-A1	US		9/22/2016
4930	PHASED ARRAY WEIGHTING FOR POWER EFFICIENCY IMPROVEMENT WITH HIGH PEAK-TO-AVERAGE POWER RATIO SIGNALS	14/668274	US-2016-0285481-A1	US		9/29/2016
4931	CODEBOOK FOR FULL-DIMENSION MULTIPLE INPUT MULTIPLE OUTPUT COMMUNICATIONS	14/668655	US-2016-0094280-A1	US		3/31/2016
4932	METHODS AND APPARATUSES OF WLAN ALARM NOTIFICATION IN CELLULAR NETWORKS	14/668663	US-2016-0105809-A1	US		4/14/2016
4933	EVOLVED NODE-B USER EQUIPMENT AND METHODS FOR HYBRID AUTOMATIC REPEAT REQUEST (HARQ) COMMUNICATION	14/669176	US-2015-0349929-A1	US		12/3/2015
4934	LTE-U COMMUNICATION DEVICES AND METHODS FOR APERIODIC BEACON AND REFERENCE SIGNAL TRANSMISSION	14/669366	US-2015-0373674-A1	US		12/24/2015
4935	LOAD BALANCING SCHEMES FOR IDLE MODE USER EQUIPMENT	14/669662	US-2016-0044539-A1	US		2/11/2016
4936	DEMODULATION REFERENCE SIGNAL (DMRS) SEQUENCE DESIGN FOR DEVICE-TO-DEVICE (D2D) DISCOVERY	14/669823	US-2015-0326362-A1	US		11/12/2015
4937	SYSTEMS APPARATUSES AND METHODS FOR LIGHTWEIGHT OVER-THE-AIR SIGNALING MECHANISMS IN DATA COMMUNICATIONS	14/669908	US-2016-0029426-A1	US		1/28/2016

SCHEDULE A

No.	TITLE	Filing Number	Publication Number	Jurisdiction	Filing Date	Publication Date
4938	TECHNIQUES FOR SECURELY RECEIVING CRITICAL COMMUNICATION CONTENT ASSOCIATED WITH A CRITICAL COMMUNICATION SERVICE	14/670233	US-2016-0344726-A1	US		11/24/2016
4939	METHOD FOR PERFORMING MOBILE COMMUNICATIONS AND MOBILE RADIO COMMUNICATION TERMINAL DEVICE	14/670498	US-2016-0286454-A1	US		9/29/2016
4940	METHOD FOR TRANSMITTING A PLURALITY OF UPLINK MESSAGES AND MOBILE RADIO COMMUNICATION TERMINAL DEVICE	14/670519	US-2016-0285591-A1	US		9/29/2016
4941	EVOLVED NODE-B USER EQUIPMENT AND METHODS FOR CHANNEL QUALITY INDICATOR (CQI) FEEDBACK	14/670692	US-2016-0142123-A1	US		5/19/2016
4942	DEVICES AND METHOD FOR RETRIEVING AND UTILIZING NEIGHBORING WLAN INFORMATION FOR LTE LAA OPERATION	14/670769	US-2015-0351115-A1	US		12/3/2015
4943	METHODS AND DEVICES FOR MULTI-DEVICE LINK AGGREGATION	14/670967	US-2016-0285746-A1	US		9/29/2016
4944	ANTENNA SYSTEM	14/671470	US-2016-0285159-A1	US		9/29/2016
4945	LAWFUL INTERCEPT REPORTING IN WIRELESS NETWORKS USING PUBLIC SAFETY RELAYS	14/671728	US-2015-0326302-A1	US		11/12/2015
4946	SMOOTH UE TRANSFER WITHIN AN EVOLVED PACKET CORE	14/671829	US-2016-0095036-A1	US		3/31/2016
4947	OPTIMIZING APPLICATIONS BEHAVIOR IN A DEVICE FOR POWER AND PERFORMANCE	14/671994	US-2016-0286430-A1	US		9/29/2016
4948	SYSTEMS METHODS AND DEVICES FOR PROXIMITY SERVICES FOR MULTI-CARRIER CAPABLE MOBILE DEVICES	14/671998	US-2016-0044552-A1	US		2/11/2016
4949	CIRCUIT INTEGRATED CIRCUIT RECEIVER TRANSCEIVER AND A METHOD FOR AMPLIFYING AN INPUT SIGNAL	14/686135	US-2015-0381114-A1	US		12/31/2015
4950	SYSTEMS AND METHODS FOR MANAGING CIRCUIT SWITCHED FALLBACK CALLS	14/686506	US-2016-0100336-A1	US		4/7/2016
4951	METHODS AND DEVICES FOR CHANNEL ESTIMATION AND OFDM RECEIVER	14/692267	US-2016-0315791-A1	US		10/27/2016
4952	SYSTEM AND METHOD TO ADDRESS RESOURCE COLLISION FOR ASYMMETRIC REGION ALLOCATION	14/692510	US-2016-0128055-A1	US		5/5/2016
4953	SYSTEM AND METHOD FOR MEASUREMENT REPORTING IN AN UNLICENSED SPECTRUM	14/693653	US-2016-0007350-A1	US		1/7/2016
4954	QUANTIZED EIGEN BEAMS FOR CONTROLLING ANTENNA ARRAY ELEMENTS IN A WIRELESS NETWORK	14/695800	US-2016-0149617-A1	US		5/26/2016
4955	SIMULTANEOUS SCHEDULING REQUEST TRANSMISSION IN DUAL CONNECTIVITY	14/696587	US-2015-0312930-A1	US		10/29/2015

SCHEDULE A

No.	TITLE	Filing Number	Publication Number	Jurisdiction	Filing Date	Publication Date
4956	COMMUNICATION SYSTEMS AND METHODS	14/697369	US-2015-0350992-A1	US		12/3/2015
4957	CARRIAGE OF MEDIA CONTENT QUALITY INFORMATION	14/701380	US-2016-0105478-A1	US		4/14/2016
4958	AT COMMAND FOR SECURE ESM INFORMATION	14/701520	US-2016-0323739-A1	US		11/3/2016
4959	NEIGHBOR CELL SYSTEM INFORMATION PROVISIONING	14/704195	US-2016-0021584-A1	US		1/21/2016
4960	SYSTEMS AND METHODS FOR SIGNALING IN AN INCREASED CARRIER MONITORING WIRELESS COMMUNICATION ENVIRONMENT	14/704848	US-2016-0142926-A1	US		5/19/2016
4961	SYSTEMS METHODS AND APPARTATUSES FOR BEARER SPLITTING IN MULTI-RADIO HETNET	14/705669	US-2016-0119939-A1	US		4/28/2016
4962	COMMUNICATION TERMINAL AND METHOD FOR ESTABLISHING A CSFB CALL	14/706020	US-2016-0330778-A1	US		11/10/2016
4963	COVERAGE CONSTRAINED DEVICES AND PAGING METHOD	14/706152	US-2016-0100380-A1	US		4/7/2016
4964	METHOD APPARATUS AND COMPUTER PROGRAM FOR DETERMINING AN INTERPOLATED COMPLEX VALUED SAMPLE	14/708431	US-2015-0363362-A1	US		12/17/2015
4965	COMPUTING APPARATUS WITH CROSS-SUBFRAME SCHEDULING	14/711701	US-2016-0134403-A1	US		5/12/2016
4966	SYSTEM AND METHOD OF MTC DEVICE OPERATIONS	14/711847	US-2016-0095076-A1	US		3/31/2016
4967	USER EQUIPMENT AND METHODS FOR CSI MEASUREMENTS WITH REDUCED BANDWIDTH SUPPORT	14/711866	US-2016-0127936-A1	US		5/5/2016
4968	OPPORTUNISTIC SIGNAL TRANSMISSION FOR INTER-RAT CO-EXISTENCE	14/718042	US-2016-0100404-A1	US		4/7/2016
4969	APPARATUS AND METHOD FOR GENERATING AN OSCILLATOR SIGNAL	14/718248	US-2015-0372644-A1	US		12/24/2015
4970	SYSTEM AND METHOD OF HANDLING UPLINK TRANSMISSION COLLISION FOR ENHANCED COVERAGE MODE UES	14/718975	US-2016-0094996-A1	US		3/31/2016
4971	POWER CONSERVATION VIA GNSS-WIRELESS ACTIVITY SYNCHRONIZATION	14/721938	US-2016-0349378-A1	US		12/1/2016
4972	DOWNLINK CONTROL INFORMATION (DCI) DESIGN FOR LTE DEVICES	14/723284	US-2016-0100382-A1	US		4/7/2016
4973	NETWORK-INITIATED DISCOVERY AND PATH SELECTION PROCEDURES FOR MULTI-HOP UNDERLAY NETWORKS	14/729511	US-2016-0192439-A1	US		6/30/2016
4974	APPARATUS FOR CORRECTING LINEARITY OF A DIGITAL-TO-ANALOG CONVERTER	14/736155	US-2016-0365867-A1	US		12/15/2016
4975	USER EQUIPMENT AND METHODS FOR CODEBOOK SUBSAMPLING FOR ENHANCED 4TX CODEBOOKS	14/739815	US-2016-0006493-A1	US		1/7/2016

SCHEDULE A

No.	TITLE	Filing Number	Publication Number	Jurisdiction	Filing Date	Publication Date
4976	APPARATUS SYSTEM AND METHOD OF COMMUNICATING BETWEEN A CELLULAR MANAGER AND A USER EQUIPMENT (UE) VIA A WLAN ACCESS DEVICE	14/747085	US-2016-0128110-A1	US		5/5/2016
4977	REFERENCE SIGNAL PRESENCE DETECTION BASED LICENSE ASSISTED ACCESS AND REFERENCE SIGNAL SEQUENCE DESIGN	14/747663	US-2016-0173249-A1	US		6/16/2016
4978	ENCODING CIRCUIT METHOD FOR TRANSMITTING DATA OVER A DATA BUS AND RADIO COMMUNICATION DEVICE	14/748293	US-2016-0380721-A1	US		12/29/2016
4979	DEVICES AND METHODS FOR EPDCCH MONITORING IN WIRELESS COMMUNICATION SYSTEMS	14/748802	US-2016-0219557-A1	US		7/28/2016
4980	SYSTEM AND METHODS FOR SUPPORT OF FREQUENCY HOPPING FOR UES WITH REDUCED BANDWIDTH SUPPORT	14/748814	US-2016-0226639-A1	US		8/4/2016
4981	DYNAMIC LOW IF INJECTION SIDE SELECTION	14/750640		US		
4982	DEVICES AND METHODS FOR HARQ-ACK FEEDBACK SCHEME ON PUSCH IN WIRELESS COMMUNICATION SYSTEMS	14/751054	US-2016-0212734-A1	US		7/21/2016
4983	APPARATUS FOR OVERLOAD RECOVERY OF AN INTEGRATOR IN A SIGMA-DELTA MODULATOR	14/751063	US-2016-0380646-A1	US		12/29/2016
4984	METHOD FOR PROCESSING RADIO SIGNALS AND MOBILE TERMINAL DEVICE	14/751149	US-2016-0381610-A1	US		12/29/2016
4985	MOBILE TERMINAL DEVICES AND METHODS OF PERFORMING RADIO MEASUREMENTS	14/751177	US-2016-0381588-A1	US		12/29/2016
4986	SIGNAL PROCESSING APPARATUS AND METHOD FOR PROCESSING A SIGNAL	14/751195		US		
4987	METHOD FOR FEEDBACK REPORTING AND A MOBILE COMMUNICATIONS DEVICE	14/751217	US-2016-0380687-A1	US		12/29/2016
4988	SYSTEMS METHODS AND DEVICES FOR DIRECT COMMUNICATION	14/751436	US-2016-0212108-A1	US		7/21/2016
4989	TECHNIQUES FOR MONITORING VIRTUALIZED NETWORK FUNCTIONS OR NETWORK FUNCTIONS VIRTUALIZATION INFRASTRUCTURE	14/751499	US-2016-0205004-A1	US		7/14/2016
4990	SYSTEMS METHODS AND DEVICES FOR DIRECT COMMUNICATION USING A PC5 PROTOCOL	14/751546	US-2016-0212244-A1	US		7/21/2016
4991	ARCHITECTURE AND CONTROL OF ANALOG SELF-INTERFERENCE CANCELLATION	14/751579	US-2016-0380706-A1	US		12/29/2016
4992	INTERFERENCE CANCELLATION	14/751959	US-2016-0380657-A1	US		12/29/2016
4993	TRANSFORMER BASED DUPLEXER	14/752811	US-2016-0380604-A1	US		12/29/2016
4994	RAN PAGING MECHANISM TO ENABLE ENHANCED COVERAGE MODE	14/753158	US-2016-0135141-A1	US		5/12/2016
4995	ANTENNA ARRANGEMENT	14/757569	US-2017-0187113-	US		6/29/2017

SCHEDULE A

No.	TITLE	Filing Number	Publication Number	Jurisdiction	Filing Date	Publication Date
			A1			
4996	WIRELESS FIDELITY (WI-FI) CLEAR CHANNEL ASSESMENT (CCA) DETECTION AND TRANSMISSION DECISION MAKING IN A PORTABLE DEVICE	14/757815	US-2017-0187473-A1	US		6/29/2017
4997	TARGETED GROUP-BASED DISCOVERY FOR WIRELESS COMMUNICATION DEVICES	14/762762	US-2015-0359023-A1	US	7/22/2015	12/10/2015
4998	PATH SWITCHING PROCEDURE FOR DEVICE-TO-DEVICE COMMUNICATION	14/762764	US-2015-0359033-A1	US	7/22/2015	12/10/2015
4999	LINK-AWARE STREAMING ADAPTATION	14/763123	US-2015-0373077-A1	US	7/23/2015	12/24/2015
5000	IMPROVED HANDOVER WITH PING PONG AVOIDANCE IN A WIRELESS NETWORK	14/763204	US-2015-0373596-A1	US	7/24/2015	12/24/2015
5001	UE-BASED D2D DISCOVERY	14/763209	US-2015-0365942-A1	US	7/24/2015	12/17/2015
5002	QUASI CO-LOCATION AND PDSCH RESOURCE ELEMENT MAPPING SIGNALING FOR NETWORK ASSISTED INTERFERENCE MITIGATION	14/764540	US-2015-0365154-A1	US	7/29/2015	12/17/2015
5003	PHYSICAL RESOURCE BLOCK (PRB)-RESTRICTED INTERFERENCE AVERAGING IN A WIRELESS COMMUNICATION SYSTEM	14/764547	US-2015-0365960-A1	US	7/29/2015	12/17/2015
5004	MULTICAST-BASED GROUP COMMUNICATIONS IN AD HOC ARRANGEMENTS OF WIRELESS DEVICES	14/765285	US-2015-0373510-A1	US	7/31/2015	12/24/2015
5005	COORDINATION OF CAPACITY AND COVERAGE OPTIMIZATION OF SELF-ORGANIZING NETWORKS	14/765524	US-2015-0373563-A1	US	8/3/2015	12/24/2015
5006	NETWORK SELECTION IN A HETEROGENEOUS NETWORK	14/766728	US-2015-0373604-A1	US	8/7/2015	12/24/2015
5007	METHOD AND APPARATUS FOR CONFIGURING AND USING SMALL DATA RADIO BEARERS	14/766850	US-2015-0373733-A1	US	8/10/2015	12/24/2015
5008	SPECTRUM SHARING BASED ON SELF-ORGANIZING NETWORKS	14/766873	US-2015-0382201-A1	US	8/10/2015	12/31/2015
5009	ENODEB REFERENCE SIGNAL REDUCTION	14/766952	US-2016-0020843-A1	US	8/10/2015	1/21/2016
5010	NETWORK ASSISTED DEVICE TO DEVICE DISCOVERY	14/767671	US-2016-0014589-A1	US	8/13/2015	1/14/2016
5011	QUALITY OF EXPERIENCE AWARE MULTIMEDIA ADAPTIVE STREAMING	14/768298	US-2016-0014184-A1	US	8/17/2015	1/14/2016
5012	RADIO ACCESS TECHNOLOGY SELECTION IN A HETEROGENEOUS NETWORK	14/769187	US-2015-0382224-A1	US	8/20/2015	12/31/2015
5013	LOW POWER DEVICE TO DEVICE TRANSMISSION	14/769411	US-2015-0382365-A1	US	8/20/2015	12/31/2015
5014	TECHNIQUES TO FACILITATE DUAL CONNECTIVITY	14/770141	US-2016-0014836-A1	US	8/25/2015	1/14/2016
5015	PROVISIONING OF APPLICATION CATEGORIES AT A USER EQUIPMENT DURING NETWORK CONGESTION	14/770666	US-2016-0014632-A1	US	8/26/2015	1/14/2016

SCHEDULE A

No.	TITLE	Filing Number	Publication Number	Jurisdiction	Filing Date	Publication Date
5016	ESTABLISHMENT OF CONNECTION TO THE INTERNET IN CELLULAR NETWORK	14/770880	US-2016-0007346-A1	US	8/27/2015	1/7/2016
5017	WIRELESS LOCAL AREA NETWORK (WLAN) TRAFFIC LOAD MEASUREMENT PROVISIONING TO WIRELESS CELLULAR NETWORKS	14/771839	US-2016-0029249-A1	US	9/1/2015	1/28/2016
5018	NETWORK-ASSISTED LTE CHANNEL ACQUISITION	14/771853	US-2016-0021593-A1	US	9/1/2015	1/21/2016
5019	SYSTEMS AND METHODS USING A CENTRALIZED NODE TO COLLECT RAN USER PLANE CONGESTION INFORMATION	14/771859	US-2016-0029247-A1	US	9/1/2015	1/28/2016
5020	SYSTEMS METHODS AND DEVICES FOR DISTRIBUTED SCHEDULING FOR DEVICE-TO-DEVICE INTERFERENCE MITIGATION	14/771869	US-2016-0037547-A1	US	9/1/2015	2/4/2016
5021	APPARATUS SYSTEM AND METHOD OF USER-EQUIPMENT (UE) CENTRIC TRAFFIC ROUTING	14/772495	US-2016-0020890-A1	US	9/3/2015	1/21/2016
5022	APPARATUS SYSTEM AND METHOD OF CELLULAR NETWORK COMMUNICATIONS CORRESPONDING TO A NON-CELLULAR NETWORK	14/772523	US-2016-0014667-A1	US	9/3/2015	1/14/2016
5023	FAST RADIO LINK RECOVERY FOR LTE NETWORKS	14/773295	US-2016-0014646-A1	US	9/4/2015	1/14/2016
5024	PAGING REPETITION FOR INCREASED ROBUSTNESS FOR EXTENDED PAGING CYCLES	14/773296	US-2016-0029344-A1	US	9/4/2015	1/28/2016
5025	CONTROL OF WLAN SELECTION POLICIES IN ROAMING SCENARIOS	14/776069	US-2016-0021606-A1	US	9/14/2015	1/21/2016
5026	INTERNET PROTOCOL (IP) MULTIMEDIA SUBSYSTEM (IMS) BASED PEER-TO-PEER (P2P) CONTENT DISTRIBUTION	14/776625	US-2016-0044099-A1	US	9/14/2015	2/11/2016
5027	RADIO LINK MONITORING FOR EPDCCH	14/777122	US-2016-0029234-A1	US	9/15/2015	1/28/2016
5028	HYBRID REFERENCE SIGNALS FOR WIRELESS COMMUNICATION	14/778037	US-2016-0294514-A1	US	9/17/2015	10/6/2016
5029	WIRELESS TRANSMISSION PRECODING	14/778040	US-2016-0308593-A1	US	9/17/2015	10/20/2016
5030	SECURITY KEY REFRESH FOR DUAL CONNECTIVITY	14/778098	US-2016-0157095-A1	US	9/18/2015	6/2/2016
5031	QUALITY-AWARE RATE ADAPTATION TECHNIQUES FOR DASH STREAMING	14/778705	US-2016-0050246-A1	US	9/21/2015	2/18/2016
5032	DUAL CONNECTIVITY FOR TERMINALS SUPPORTING ONE UPLINK CARRIER	14/778801	US-2016-0050706-A1	US	9/21/2015	2/18/2016
5033	DIAMETER/XML PROTOCOL CONVERSION	14/778983	US-2016-0056992-A1	US	9/21/2015	2/25/2016
5034	UPLINK ENHANCEMENTS FOR EFFICIENT OPERATION IN SMALL CELL ENVIRONMENTS	14/778985	US-2016-0057769-A1	US	9/21/2015	2/25/2016
5035	EXTENDED PAGING DISCONTINUOUS RECEPTION (DRX) CYCLES IN WIRELESS COMMUNICATION NETWORKS	14/779024	US-2016-0057701-A1	US	9/22/2015	2/25/2016
5036	WIRELESS LOCAL AREA NETWORK (WLAN) SELECTION RULES	14/779228	US-2016-0050619-A1	US	9/22/2015	2/18/2016

SCHEDULE A

No.	TITLE	Filing Number	Publication Number	Jurisdiction	Filing Date	Publication Date
5037	THROUGHPUT CHARACTERIZATION	14/779243	US-2016-0050133-A1	US	9/22/2015	2/18/2016
5038	METHODS APPARATUSES AND SYSTEMS FOR RETRIEVING DATA FROM A WIRELESS LOCAL AREA NETWORK (WLAN) ACCESS POINT	14/779548	US-2016-0044660-A1	US	9/23/2015	2/11/2016
5039	GENERATION AND USE OF A USER EQUIPMENT LOCATION DISTRIBUTION IN A WIRELESS COMMUNICATION NETWORK	14/779557	US-2016-0044453-A1	US	9/23/2015	2/11/2016
5040	EFFICIENT USER SERVICE OR CONTENT REPRESENTATION FOR DEVICE COMMUNICATION	14/779947	US-2016-0050701-A1	US	9/24/2015	2/18/2016
5041	NETWORK SCHEDULED DEVICE TO DEVICE COMMUNICATION	14/781497	US-2016-0044704-A1	US	9/30/2015	2/11/2016
5042	DATA RETRANSMISSIONS IN AN ANCHOR-BOOSTER NETWORK	14/782780	US-2016-0044690-A1	US	10/6/2015	2/11/2016
5043	SMALL DATA COMMUNICATIONS	14/782781	US-2016-0057797-A1	US	10/6/2015	2/25/2016
5044	REDUCTION OF BUFFER OVERFLOW	14/782783	US-2016-0057044-A1	US	10/6/2015	2/25/2016
5045	SMALL DATA COMMUNICATIONS	14/782784	US-2016-0029417-A1	US	10/6/2015	1/28/2016
5046	REDUCTION OF USER PLANE CONGESTION	14/783043	US-2016-0050585-A1	US	10/7/2015	2/18/2016
5047	HYBRID DIGITAL AND ANALOG BEAMFORMING FOR LARGE ANTENNA ARRAYS	14/784256	US-2016-0080051-A1	US	10/13/2015	3/17/2016
5048	MULTIPLE-INPUT MULTIPLE-OUTPUT CELLULAR NETWORK COMMUNICATIONS	14/784257	US-2016-0065290-A1	US	10/13/2015	3/3/2016
5049	INCREASING SPECTRAL EFFICIENCY IN A HETEROGENEOUS NETWORK	14/784258	US-2016-0057636-A1	US	10/13/2015	2/25/2016
5050	MULTIPLE RADIO LINK CONTROL (RLC) GROUPS	14/785116	US-2016-0094446-A1	US	10/16/2015	3/31/2016
5051	NETWORK SELECTION IN A HETEROGENEOUS NETWORK	14/786145	US-2016-0073287-A1	US	10/21/2015	3/10/2016
5052	NETWORK ASSISTED DEVICE TO DEVICE COMMUNICATION	14/787225	US-2016-0113050-A1	US	10/26/2015	4/21/2016
5053	CARRIER MEASUREMENTS FOR MULTI-CARRIER DEVICES	14/794724	US-2017-0013630-A1	US		1/12/2017
5054	DEVICE TO DEVICE COMMUNICATION WITH CLUSTER COORDINATING	14/797941	US-2016-0021526-A1	US	7/13/2015	1/21/2016
5055	PRINCIPAL EIGEN BEAM QUANTIZATION FOR MIMO SYSTEMS	14/798820	US-2016-0013838-A1	US		1/14/2016
5056	RADIO COMMUNICATION DEVICES AND METHODS FOR CONTROLLING A RADIO COMMUNICATION DEVICE	14/801872	US-2016-0049970-A1	US		2/18/2016
5057	CARRIER AGGREGATION ENHANCEMENTS FOR UNLICENSED SPECTRUM AND 5G	14/802901	US-2016-0226632-A1	US		8/4/2016
5058	INTERACTIVE VIDEO CONFERENCING	14/807294	US-2016-0165185-A1	US		6/9/2016
5059	PUBLIC SAFETY DISCOVERY AND COMMUNICATION USING A UE-TO-UE RELAY	14/812833	US-2016-0212780-A1	US		7/21/2016

SCHEDULE A

No.	TITLE	Filing Number	Publication Number	Jurisdiction	Filing Date	Publication Date
5060	UPLINK SYNCHRONIZATION WITH ASSISTED mmWAVE ENHANCED NODE B	14/827678	US-2017-0055298-A1	US		2/23/2017
5061	METHODS APPARATUSES AND SYSTEMS FOR ENHANCEMENT OF EVOLVED PHYSICAL DOWNLINK CONTROL CHANNEL FOR MACHINE TYPE COMMUNICATIONS	14/828071	US-2016-0302174-A1	US		10/13/2016
5062	MOBILE TERMINAL DEVICES AND METHODS OF DETECTING REFERENCE SIGNALS	14/830797	US-2017-0054538-A1	US		2/23/2017
5063	DIGITAL TO ANALOG CONVERTER CIRCUITS APPARATUS AND METHOD FOR GENERATING A HIGH FREQUENCY TRANSMISSION SIGNAL AND METHODS OF DIGITAL TO ANALOG CONVERSION	14/835031	US-2016-0094235-A1	US		3/31/2016
5064	ENABLING RADIO FREQUENCY MULTIPLEXING IN A WIRELESS SYSTEM	14/835828	US-2017-0063404-A1	US		3/2/2017
5065	SYSTEMS METHODS AND DEVICES FOR DEVICE-TO-DEVICE RELAY COMMUNICATION	14/835944	US-2016-0270134-A1	US		9/15/2016
5066	USER EQUIPMENT AND METHODS FOR CELL RESELECTION USING SCALED TIME-TO-TRIGGER AND A3 OFFSET VALUES	14/845019	US-2016-0066243-A1	US		3/3/2016
5067	SYSTEMS AND METHODS FOR CROSS-LAYER BEARER SPLITTING AND CROSS-RADIO ACCESS TECHNOLOGY RETRANSMISSION	14/851771	US-2017-0078890-A1	US		3/16/2017
5068	COMMUNICATION DEVICE AND A METHOD FOR OPERATING A COMMUNICATION DEVICE	14/855411	US-2017-0079009-A1	US		3/16/2017
5069	CIRCUIT AND METHOD FOR PROVIDING A RADIO FREQUENCY SIGNAL	14/856781	US-2016-0182100-A1	US		6/23/2016
5070	NOISE-SHAPING CIRCUIT DIGITAL-TO-TIME CONVERTER ANALOG-TO-DIGITAL CONVERTER DIGITAL-TO-ANALOG CONVERTER FREQUENCY SYNTHESIZER TRANSMITTER RECEIVER TRANSCEIVER METHOD FOR SHAPING NOISE IN AN INPUT SIGNAL	14/856854	US-2016-0182072-A1	US		6/23/2016
5071	APPARATUS AND METHOD FOR GENERATING A TRANSMIT SIGNAL	14/858133	US-2016-0182101-A1	US		6/23/2016
5072	DEVICE SYSTEM AND METHOD OF CELL SPECIFIC PROBABILITY LOAD BALANCING	14/859633	US-2016-0302118-A1	US		10/13/2016
5073	POSITIONING DEVICE AND METHOD FOR DETERMINING THE POSITION OF A COMMUNICATION DEVICE	14/860740	US-2017-0082729-A1	US		3/23/2017
5074	METHODS FOR PERFORMING WIRELESS COMMUNICATIONS MOBILE TERMINAL DEVICES AND SERVERS	14/860760	US-2017-0086131-A1	US		3/23/2017
5075	HYBRID I/Q AND POLAR TRANSMITTER	14/861005		US		
5076	FREQUENCY GENERATOR METHOD AND COMPUTER PROGRAM	14/861056	US-2016-0182026-A1	US		6/23/2016

SCHEDULE A

No.	TITLE	Filing Number	Publication Number	Jurisdiction	Filing Date	Publication Date
5077	RANDOM ACCESS PROCEDURE FOR ENHANCED COVERAGE SUPPORT	14/861828	US-2016-0302234-A1	US		10/13/2016
5078	SYSTEMS METHODS AND DEVICES FOR SECURE DEVICE-TO-DEVICE DISCOVERY AND COMMUNICATION	14/863168	US-2016-0269185-A1	US		9/15/2016
5079	MOBILE COMMUNICATIONS DEVICE AND A METHOD FOR CONTROLLING A MOBILE COMMUNICATIONS DEVICE	14/864883	US-2017-0094485-A1	US		3/30/2017
5080	COMMUNICATION DEVICE AND METHOD FOR PERFORMING RADIO COMMUNICATION	14/864974	US-2017-0094678-A1	US		3/30/2017
5081	MOBILE TERMINAL DEVICES MOBILE PROCESSING CIRCUITS AND METHODS OF PROCESSING SIGNALS	14/864995	US-2017-0093538-A1	US		3/30/2017
5082	CLOSED-LOOP POWER CONTROL IN MULTI-TRANSMISSION WIRELESS SYSTEMS	14/865369	US-2017-0094608-A1	US		3/30/2017
5083	ANTENNA SYSTEM	14/865829	US-2017-0093031-A1	US		3/30/2017
5084	APPARATUS SYSTEM AND METHOD OF PROVIDING OFFLOADABILITY INFORMATION TO A USER-EQUIPMENT (UE)	14/871499	US-2016-0021570-A1	US		1/21/2016
5085	WIRELESS CIRCUITRY WITH SCALABLE ACCURACY	14/872015	US-2017-0094606-A1	US		3/30/2017
5086	PREAMBLE-BASED TRANSMISSION POWER DETECTION	14/872069	US-2017-0093504-A1	US		3/30/2017
5087	DEVICE SYSTEM AND GLOBAL NAVIGATION SATELLITE SYSTEM METHOD USING LOCAL FINE TIME INFORMATION	14/879231	US-2017-0102462-A1	US		4/13/2017
5088	MME OVERLOAD OR UNDERLOAD MITIGATION BY MME VNF APPARATUS AND METHOD	14/881019	US-2016-0269925-A1	US		9/15/2016
5089	SYSTEMS AND METHODS FOR MOBILITY STATE ESTIMATION FRAMEWORK FOR LTE NETWORK	14/902292	US-2016-0373994-A1	US	12/30/2015	12/22/2016
5090	METHOD AND SYSTEM OF ADVANCED INTERFERENCE CANCELLATION ON PDSCH AT THE UE	14/903575	US-2016-0173262-A1	US	1/7/2016	6/16/2016
5091	NETWORK MANAGEMENT	14/903576	US-2016-0156440-A1	US	1/7/2016	6/2/2016
5092	METHOD APPARATUS AND SYSTEM FOR ELECTRICAL DOWNTILT ADJUSTMENT IN A MULTIPLE INPUT MULTIPLE OUTPUT SYSTEM	14/911262	US-2016-0191135-A1	US	2/9/2016	6/30/2016
5093	DEVICES AND METHODS FOR SENDING OR RECEIVING ASSISTANCE DATA	14/912587	US-2016-0205651-A1	US	2/17/2016	7/14/2016
5094	EARLY TTT TERMINATION	14/912588	US-2016-0205601-A1	US	2/17/2016	7/14/2016
5095	USER EQUIPMENT AND PROTOCOL AND METHODS FOR DEVICE-TO-DEVICE COMMUNICATION	14/914331	US-2016-0234702-A1	US	2/25/2016	8/11/2016

SCHEDULE A

No.	TITLE	Filing Number	Publication Number	Jurisdiction	Filing Date	Publication Date
5096	USER EQUIPMENT AND MOBILITY MANAGEMENT ENTITY AND METHODS FOR PERIODIC UPDATE IN CELLULAR NETWORKS	14/916843	US-2016-0255602-A1	US	3/4/2016	9/1/2016
5097	USER EQUIPMENT AND METHODS OF BEARER OPERATION FOR CARRIER AGGREGATION	14/917154	US-2016-0234847-A1	US	3/7/2016	8/11/2016
5098	USER EQUIPMENT AND EVOLVED NODE-B AND METHODS FOR OPERATION IN A COVERAGE ENHANCEMENT MODE	14/917451	US-2016-0227580-A1	US	3/8/2016	8/4/2016
5099	ENHANCED NODE B AND METHOD FOR RRC CONNECTION ESTABLISHMENT FOR SMALL DATA TRANSFERS	14/918990	US-2016-0192410-A1	US		6/30/2016
5100	PROCEDURES TO PROVISION AND ATTACH A CELLULAR INTERNET OF THINGS DEVICE TO A CLOUD SERVICE PROVIDER	14/927965	US-2016-0278147-A1	US		9/22/2016
5101	METHODS FOR PERFORMING RADIO MEASUREMENTS AND MOBILE TERMINAL DEVICES	14/930702	US-2017-0127305-A1	US		5/4/2017
5102	METHODS IN SHORT RANGE RADIO COMMUNICATION MASTER SUBSYSTEMS MOBILE DEVICES AND MULTI-MODE RADIO COMMUNICATION SYSTEMS	14/934257	US-2017-0134882-A1	US		5/11/2017
5103	METHODS AND DEVICES FOR DETERMINING INTERMODULATION DISTORTIONS	14/935416	US-2016-0134311-A1	US		5/12/2016
5104	AGGREGATED WIRELESS DRIVER AND METHOD	14/937412	US-2017-0135137-A1	US		5/11/2017
5105	RADIO COMMUNICATION DEVICES AND METHODS FOR PERFORMING WIRELESS PEER-TO-PEER DISCOVERY	14/948488	US-2017-0150337-A1	US		5/25/2017
5106	TECHNIQUES FOR WIRELESS NETWORK DISCOVERY AND SELECTION SUPPORT	14/951295	US-2016-0081013-A1	US		3/17/2016
5107	PERFORMING PRIMARY CELL FUNCTIONS IN A SECONDARY CELL	14/957488	US-2016-0338137-A1	US		11/17/2016
5108	BYPASS RING TO IMPROVE NOISE ISOLATION OF COILS AND INDUCTORS	14/958365		US		
5109	DOCKING STATION AND METHOD TO CONNECT TO A DOCKING STATION	14/963372	US-2017-0171894-A1	US		6/15/2017
5110	DEVICE AND METHOD FOR RADIO ACCESS TECHNOLOGY SEARCH	14/964600	US-2017-0171799-A1	US		6/15/2017
5111	SYSTEMS METHODS AND DEVICES FOR LICENSED SHARED ACCESS MANAGEMENT WITH DISTRIBUTED INFORMATION STORAGE	14/974507	US-2016-0212624-A1	US		7/21/2016
5112	DEVICE AND METHOD FOR USER ORIGINATED MULTIPLE CONNECTION MANAGEMENT TRANSACTIONS VIA CIRCUIT SWITCHED FALLBACK	14/975884	US-2017-0181042-A1	US		6/22/2017

SCHEDULE A

No.	TITLE	Filing Number	Publication Number	Jurisdiction	Filing Date	Publication Date
5113	SYSTEMS AND METHODS FOR AGGREGATING AN ENHANCED MULTIMEDIA BROADCAST MULTICAST SERVICE OVER MULTIPLE FREQUENCY CARRIERS	14/976240	US-2016-0241412-A1	US		8/18/2016
5114	ARCHITECTURE AND CONTROL OF HYBRID COUPLER BASED ANALOG SELF-INTERFERENCE CANCELLATION	14/976647		US		
5115	ADAPTIVE PAGING TECHNIQUES FOR EXTENDED COVERAGE-CAPABLE DEVICES	14/976736	US-2016-0227514-A1	US		8/4/2016
5116	CELL SEARCH AND SYNCHRONIZATION IN MILLIMETER-WAVE CAPABLE SMALL CELLS	14/977412	US-2017-0181134-A1	US		6/22/2017
5117	USER EQUIPMENT AND METHOD FOR MEASUREMENT OF SIDE-LINK REFERENCE SIGNAL RECEIVED POWER (S-RSRP)	14/977463	US-2017-0181011-A1	US		6/22/2017
5118	MULTI-HARMONIC MATCHING NETWORKS	14/978231	US-2017-0179917-A1	US		6/22/2017
5119	SYSTEM AND METHOD FOR EMERGENCY SECURE USER PLANE LOCATION POSITIONING	14/978285	US-2017-0181200-A1	US		6/22/2017
5120	SYSTEMS METHODS AND DEVICES WITH DIFFERENT RADIO LINK FAILURE TIMERS BASED ON USER EQUIPMENT SPEED	14/986245	US-2016-0128134-A1	US		5/5/2016
5121	DRX OPERATION FOR UL/DL RECONFIGURATION	14/991696	US-2016-0128131-A1	US		5/5/2016
5122	METHOD AND DEVICE FOR CANCELING A BIAS OF A RADIO CHANNEL SEQUENCE	14/993157	US-2016-0248612-A1	US		8/25/2016
5123	METHOD AND DEVICE FOR PROTECTING A DATA TRANSPORT BLOCK AGAINST MEMORY ERRORS AND TRANSMISSION ERRORS	14/993311	US-2016-0277148-A1	US		9/22/2016
5124	NETWORK COVERAGE HOLE DETECTION	15/006758	US-2016-0142961-A1	US		5/19/2016
5125	TECHNIQUES FOR BEAMFORMING TO MITIGATE MULTI-USER LEAKAGE AND INTERFERENCE	15/012620		US		
5126	DYNAMIC CONFIGURATION OF UPLINK (UL) AND DOWNLINK (DL) FRAME RESOURCES FOR A TIME DIVISION DUPLEX (TDD) TRANSMISSION	15/013520	US-2016-0156454-A1	US		6/2/2016
5127	TECHNIQUES FOR IDENTIFYING PHYSICAL HYBRID AUTOMATIC REQUEST INDICATOR CHANNEL RESOURCES	15/022484	US-2016-0234809-A1	US	3/16/2016	8/11/2016
5128	SYNCHRONIZATION OF DEVICE TO DEVICE COMMUNICATION	15/022893	US-2016-0227496-A1	US	3/17/2016	8/4/2016
5129	RESOURCE SELECTION IN DEVICE TO DEVICE COMMUNICATION	15/023063	US-2016-0234855-A1	US	3/18/2016	8/11/2016
5130	SIGNALING FOR INTER-CELL D2D DISCOVERY IN AN LTE NETWORK	15/026174	US-2016-0219541-A1	US	3/30/2016	7/28/2016
5131	RESOURCE ALLOCATION FOR D2D DISCOVERY IN AN LTE NETWORK	15/026753	US-2016-0255615-A1	US	4/1/2016	9/1/2016

SCHEDULE A

No.	TITLE	Filing Number	Publication Number	Jurisdiction	Filing Date	Publication Date
5132	SIGNALING EXTENDED EARFCN AND E-UTRA BANDS IN UMTS NETWORKS	15/026788	US-2016-0255640-A1	US	4/1/2016	9/1/2016
5133	APPARATUS AND A METHOD FOR PROVIDING OSCILLATOR SIGNALS	15/045783	US-2016-0285469-A1	US		9/29/2016
5134	APPARATUS AND A METHOD FOR PROCESSING A SIGNAL DEPENDING ON A RECEIVED RADIO FREQUENCY SIGNAL	15/045786	US-2016-0285587-A1	US		9/29/2016
5135	RECEIVER AND A METHOD FOR REDUCING A DISTORTION COMPONENT RELATED TO A BASEBAND TRANSMIT SIGNAL IN A BASEBAND RECEIVE SIGNAL	15/046935	US-2016-0285487-A1	US		9/29/2016
5136	MOBILE RADIO COMMUNICATION DEVICES MOBILE RADIO COMMUNICATION NETWORKS AND METHODS FOR CONTROLLING THE SAME	15/047733	US-2016-0323929-A1	US		11/3/2016
5137	DIGITAL-TO-ANALOG CONVERTER CIRCUIT AN APPARATUS FOR PROVIDING A RADIO FREQUENCY TRANSMIT SIGNAL AND A METHOD OF DIGITAL-TO-ANALOG CONVERSION	15/048143	US-2016-0285470-A1	US		9/29/2016
5138	SLICING ARCHITECTURE FOR WIRELESS COMMUNICATION	15/056965	US-2017-0079059-A1	US		3/16/2017
5139	TECHNIQUES FOR COMMUNICATION BETWEEN SERVICE CAPABILITY SERVER AND INTERWORKING FUNCTION FOR DEVICE TRIGGER RECALL/REPLACE	15/060120	US-2016-0191630-A1	US		6/30/2016
5140	SYSTEMS AND METHODS FOR EFFICIENT TRAFFIC OFFLOAD WITHOUT SERVICE DISRUPTION	15/060390	US-2016-0183149-A1	US		6/23/2016
5141	TRANSMIT AMPLITUDE AND PHASE MODULATION BASED ON TWO CONSTANT-AMPLITUDE PHASORS	15/064020		US		
5142	COMMUNICATION OF SECURITY KEY INFORMATION	15/070461	US-2016-0198343-A1	US		7/7/2016
5143	HYBRID I-Q POLAR TRANSMITTER WITH QUADRATURE LOCAL OSCILLATOR (LO) PHASE CORRECTION	15/071867		US		
5144	USER EQUIPMENT AND METHODS FOR ADAPTING SYSTEM PARAMETERS BASED ON EXTENDED PAGING CYCLES	15/076500	US-2017-0055239-A1	US		2/23/2017
5145	CIRCUIT INTEGRATED CIRCUIT RECEIVER TRANSCEIVER AND METHOD FOR RECEIVING A SIGNAL	15/077197	US-2016-0316434-A1	US		10/27/2016
5146	METHODS AND COMMUNICATION DEVICES FOR PERFORMING CELL SEARCH AND DETECTION	15/079119	US-2017-0280374-A1	US		9/28/2017
5147	MTSI BASED UE CONFIGURABLE FOR VIDEO REGION-OF-INTEREST (ROI) SIGNALING	15/083897	US-2016-0227166-A1	US		8/4/2016
5148	DEVICES AND METHOD FOR CELL SEARCH AND DETECTION	15/084521		US		
5149	METHODS AND DEVICES FOR CELL SEARCH	15/086252	US-2017-0289960-A1	US		10/5/2017

SCHEDULE A

No.	TITLE	Filing Number	Publication Number	Jurisdiction	Filing Date	Publication Date
5150	COMMUNICATION DEVICE AND A METHOD FOR OPERATING A COMMUNICATION DEVICE	15/088179	US-2017-0289958-A1	US		10/5/2017
5151	METHODS AND DEVICES FOR SPUR CANCELLATION IN DIGITAL PHASE LOCKED LOOPS	15/088388	US-2017-0288851-A1	US		10/5/2017
5152	USER EQUIPMENT DISTRIBUTION INFORMATION COLLECTION	15/088959	US-2016-0219445-A1	US		7/28/2016
5153	FINE TIMING MEASUREMENT BURST MANAGEMENT	15/094010		US		
5154	USER EQUIPMENT AND METHOD FOR PACKET BASED DEVICE-TO-DEVICE (D2D) DISCOVERY IN AN LTE NETWORK	15/096504	US-2016-0337835-A1	US		11/17/2016
5155	USER EQUIPMENT AND EVOLVED NODE-B AND METHODS FOR RANDOM ACCESS FOR MACHINE TYPE COMMUNICATION	15/111762	US-2016-0338111-A1	US	7/14/2016	11/17/2016
5156	USER EQUIPMENT COMPUTER READABLE MEDIUM AND METHOD TO DETERMINE THE MOBILITY OF USER EQUIPMENT IN A LONG-TERM EVOLUTION NETWORK	15/111880	US-2016-0338002-A1	US	7/15/2016	11/17/2016
5157	PREVENTING A MOBILE DEVICE FROM REPEATING A REQUEST TOWARD A MOBILE NETWORK	15/112116	US-2016-0345243-A1	US	7/15/2016	11/24/2016
5158	ACCESS POINT POSITION DETERMINATION BY MOBILE DEVICES CROWD SOURCING	15/113481	US-2017-0034657-A1	US	7/22/2016	2/2/2017
5159	CIRCUIT SWITCHED FALLBACK	15/114718	US-2016-0345210-A1	US	7/27/2016	11/24/2016
5160	USER EQUIPMENT AND METHODS TO INDICATE POWER SAVING MODE CONFIGURATION TO RAN NODES	15/115770	US-2017-0013515-A1	US	8/1/2016	1/12/2017
5161	USER EQUIPMENT AND METHODS FOR HANDOVER INITIATION	15/116040	US-2017-0188273-A1	US	8/2/2016	6/29/2017
5162	SOLUTION TO SKIP AUTHENTICATION PROCEDURE DURING CIRCUIT-SWITCHED FALLBACK (CSFB) TO SHORTEN CALL SETUP TIME	15/119856	US-2017-0064584-A1	US	8/18/2016	3/2/2017
5163	SYSTEMS AND METHODS FOR VARIED CELL BARRING TIMES	15/119941	US-2017-0135024-A1	US	8/18/2016	5/11/2017
5164	APPARATUS SYSTEM AND METHOD OF SECURING COMMUNICATIONS OF A USER EQUIPMENT (UE) IN A WIRELESS LOCAL AREA NETWORK	15/121059	US-2016-0366707-A1	US	8/24/2016	12/15/2016
5165	PRIORITIZED CELL IDENTIFICATION AND MEASUREMENT METHOD	15/122495	US-2017-0078904-A1	US	8/30/2016	3/16/2017
5166	METHOD AND APPARATUS FOR WI-FI LOCATION DETERMINATION	15/123797	US-2017-0019876-A1	US	9/6/2016	1/19/2017
5167	LISTEN BEFORE TALK PROTOCOL SELECTION	15/124953	US-2017-0034851-A1	US	9/9/2016	2/2/2017
5168	METHOD APPARATUS AND SYSTEM FOR MEASURING A POSITION OF A USER EQUIPMENT IN A WIRELESS NETWORK	15/125561	US-2017-0223655-A1	US	9/12/2016	8/3/2017

SCHEDULE A

No.	TITLE	Filing Number	Publication Number	Jurisdiction	Filing Date	Publication Date
5169	APPARATUSES SYSTEMS AND METHODS FOR PAGING ENHANCEMENTS FOR LOW COMPLEXITY USER EQUIPMENT	15/126560	US-2017-0086165-A1	US	9/15/2016	3/23/2017
5170	METHOD AND APPARATUS OF UE AND ENB FOR MTC WITH NARROWBAND DEPLOYMENT	15/128370	US-2017-0195102-A1	US	9/22/2016	7/6/2017
5171	METHODS APPARATUS OF ENB AND UE FOR MTC WITH NARROWBAND DEPLOYMENT	15/129263	US-2017-0180086-A1	US	9/26/2016	6/22/2017
5172	TECHNIQUES FOR COORDINATED APPLICATION OF WIRELESS NETWORK SELECTION AND TRAFFIC ROUTING RULES	15/129372	US-2017-0181070-A1	US	9/26/2016	6/22/2017
5173	COMMUNICATION DEVICE AND METHOD FOR PERFORMING RADIO COMMUNICATION	15/137021	US-2016-0301456-A1	US		10/13/2016
5174	SYSTEMS METHODS AND DEVICES FOR TRAFFIC OFFLOADING	15/137974	US-2016-0255533-A1	US		9/1/2016
5175	TECHNIQUES AND SYSTEMS FOR EXTENDED DISCONTINUOUS RECEPTION	15/141541	US-2016-0249406-A1	US		8/25/2016
5176	METHODS AND DEVICES FOR PERFORMING CIRCUIT-SWITCHED FALLBACK	15/145829	US-2017-0325130-A1	US		11/9/2017
5177	Digital Pre-Emphasis Quadrature Imbalance Compensating Filter	15/168552	US-2017-0346509-A1	US		11/30/2017
5178	CHANNEL ESTIMATION AND COMPENSATION IN HIGH SPEED SCENARIOS	15/170712	US-2017-0099175-A1	US		4/6/2017
5179	REFERENCE SIGNAL PATH FOR CLOCK GENERATION WITH AN INJECTION LOCKED MULTIPLIER (ILM)	15/171373	US-2017-0353159-A1	US		12/7/2017
5180	MULTIPLE MODULATED SPUR CANCELLATION APPARATUS	15/179211	US-2017-0359136-A1	US		12/14/2017
5181	INTERACTIVE VIDEO CONFERENCING	15/180510	US-2016-0295166-A1	US		10/6/2016
5182	METHODS AND DEVICES FOR PERFORMING DUPLEX MODE DETECTION	15/183866		US		
5183	METHOD AND EVOLVED NODE-B FOR GEOGRAPHIC BIN DATA COLLECTION AND REPORTING	15/185994	US-2016-0302089-A1	US		10/13/2016
5184	AUTOMATIC GAIN CONTROL GAIN ADJUSTMENT	15/186663	US-2017-0048808-A1	US		2/16/2017
5185	SIGNALING FOR PROXIMITY SERVICES AND D2D DISCOVERY IN AN LTE NETWORK	15/186779	US-2016-0302251-A1	US		10/13/2016
5186	COVERAGE EXTENSION LEVEL FOR COVERAGE LIMITED DEVICE	15/186832	US-2016-0359548-A1	US		12/8/2016
5187	COMMUNICATION DEVICE AND A METHOD FOR OPERATING A COMMUNICATION DEVICE	15/187863		US		
5188	HARMONIC SUPPRESSING LOCAL OSCILLATOR SIGNAL GENERATION	15/188267	US-2017-0366280-A1	US		12/21/2017
5189	COMMUNICATION DEVICE AND METHOD FOR DECODING DATA FROM	15/191564	US-2017-0374651-A1	US		12/28/2017

SCHEDULE A

No.	TITLE	Filing Number	Publication Number	Jurisdiction	Filing Date	Publication Date
	A NETWORK					
5190	FREQUENCY RECONFIGURABLE ANTENNA DECOUPLING FOR WIRELESS COMMUNICATION	15/193958	US-2017-0373393-A1	US		12/28/2017
5191	SYSTEMS AND METHODS FOR WLAN NETWORK SELECTION	15/194288	US-2016-0309405-A1	US		10/20/2016
5192	FREQUENCY BASED BIAS VOLTAGE SCALING FOR PHASE LOCKED LOOPS	15/194999	US-2017-0373694-A1	US		12/28/2017
5193	DIGITAL-CENTRIC FULL-DUPLEX ARCHITECTURE	15/197528	US-2018-0006795-A1	US		1/4/2018
5194	Performance Indicator for Phase Locked Loops	15/198115		US		
5195	DIGITAL TIME CONVERTER SYSTEMS AND METHOD	15/199217		US		
5196	SHORT RANGE RADIO COMMUNICATION DEVICE AND A METHOD OF CONTROLLING A SHORT RANGE RADIO COMMUNICATION DEVICE	15/200159	US-2018-0006681-A1	US		1/4/2018
5197	BIT-ERROR RATE FALSE POSITIVE DETECTION SYSTEM AND METHOD	15/201402	US-2018-0006662-A1	US		1/4/2018
5198	TRANSMISSION OF PHYSICAL BROADCAST CHANNEL (PBCH) CONTENTS	15/202264	US-2016-0315739-A1	US		10/27/2016
5199	QUANTIZED EIGEN BEAMS FOR CONTROLLING ANTENNA ARRAY ELEMENTS IN A WIRELESS NETWORK	15/210977	US-2016-0352395-A1	US		12/1/2016
5200	CODEBOOK FOR FULL-DIMENSION MULTIPLE INPUT MULTIPLE OUTPUT COMMUNICATIONS	15/216378	US-2016-0329934-A1	US		11/10/2016
5201	CONTENT URL AUTHENTICATION FOR DASH	15/221499	US-2017-0134356-A1	US		5/11/2017
5202	METHOD AND A SYSTEM FOR CONTROLLING A PLURALITY OF ELECTRONIC COMPONENTS ARBITRARILY ASSIGNABLE TO A PLURALITY OF INTEGRATED CIRCUITS OF A MOBILE COMMUNICATIONS DEVICE	15/223521	US-2017-0063583-A1	US		3/2/2017
5203	CALIBRATING RF PATH DELAY AND IQ PHASE IMBALANCE FOR POLAR TRANSMIT SYSTEM	15/231379	US-2016-0352439-A1	US		12/1/2016
5204	RADIO RECEIVER AND METHOD FOR PROCESSING AN UPLINK TRANSPORT BLOCK	15/238242	US-2017-0086171-A1	US		3/23/2017
5205	SYSTEMS AND METHODS FOR MODULATION AND CODING SCHEME SELECTION AND CONFIGURATION	15/241361	US-2016-0373287-A1	US		12/22/2016
5206	TRAJECTORY MODIFICATION TECHNIQUE FOR POLAR TRANSMITTER	15/243132	US-2017-0047955-A1	US		2/16/2017
5207	APPARATUS AND METHOD FOR GENERATING AN OSCILLATOR SIGNAL	15/243343	US-2016-0359457-A1	US		12/8/2016
5208	COMMUNICATION DEVICE AND METHOD FOR WIRELESS COMMUNICATIONS	15/252242	US-2018-0063817-A1	US		3/1/2018

SCHEDULE A

No.	TITLE	Filing Number	Publication Number	Jurisdiction	Filing Date	Publication Date
5209	ARRANGEMENT FOR CONCURRENT DETECTION OF SIGNALS IN A RECEIVER	15/252707	US-2018-0063873-A1	US		3/1/2018
5210	SUBSCRIBER IDENTITY MODULE PROVIDER APPARATUS FOR OVER-THE-AIR PROVISIONING OF SUBSCRIBER IDENTITY MODULE CONTAINERS AND METHODS	15/255509		US		
5211	DYNAMICAL TIME DIVISION DUPLEX UPLINK AND DOWNLINK CONFIGURATION IN A COMMUNICATIONS NETWORK	15/256105	US-2016-0374141-A1	US		12/22/2016
5212	SYSTEMS DEVICES AND METHODS FOR LONG TERM EVOLUTION AND WIRELESS LOCAL AREA INTERWORKING	15/260020	US-2016-0381617-A1	US		12/29/2016
5213	RECONFIGURATION CONTROL CHANNEL RESOURCE MAPPING COLLISION AVOIDANCE	15/262348	US-2017-0064696-A1	US		3/2/2017
5214	USER EQUIPMENT AND METHODS FOR OPERATION IN COVERAGE ENHANCEMENT MODE WITH PHYSICAL RANDOM ACCESS CHANNEL PREAMBLE	15/264956	US-2017-0134967-A1	US		5/11/2017
5215	AMPLITUDE-MODULATION SIGNAL AND PHASE-MODULATION SIGNAL DELAY ADJUSTMENT FOR POLAR TRANSMITTER	15/268955		US		
5216	METRICS FOR TRAFFIC STEERING IN A WIRELESS NETWORK	15/272383	US-2017-0013496-A1	US		1/12/2017
5217	POWER ESTIMATION SYSTEM AND METHOD	15/274394	US-2018-0091984-A1	US		3/29/2018
5218	PAPR reduction for IQ RFDAC TRANSMITTER PERFORMANCE CALIBRATION SYSTEMS AND METHODS	15/274721	US-2018-0091338-A1	US		3/29/2018
5219	POWER HEADROOM REPORTING WITH DUAL CONNECTIVITY	15/276009	US-2018-0091241-A1	US		3/29/2018
5220	WIRELESS LINK CONTROL AND RECOVERY USING POSITIONAL DATA	15/276091	US-2017-0013571-A1	US		1/12/2017
5221	CELLULAR TELEPHONE NETWORK TO NARROW BAND - INTERNET OF THINGS NETWORK SWITCHING METHOD AND APPARATUS	15/279499	US-2018-0091202-A1	US		3/29/2018
5222	COORDINATED BLUETOOTH - WIFI SCHEDULING WITH BLUETOOTH SLOT AVAILABILITY MASK	15/279634		US		
5223	CAMPING APPROACH IN MULTI-SIM USER EQUIPMENT WHEN PRESENT IN COVERAGE HOLES OF RESPECTIVE NETWORK OPERATORS	15/280187	US-2018-0091929-A1	US		3/29/2018
5224	APPARATUS SYSTEM AND METHOD OF COMMUNICATING NON-CELLULAR ACCESS NETWORK INFORMATION OVER A CELLULAR NETWORK	15/281117	US-2018-0098262-A1	US		4/5/2018
5225	FREQUENCY DIFFERENCE DETERMINATION	15/294731	US-2017-0142691-A1	US		5/18/2017
5226		15/295073		US		

SCHEDULE A

No.	TITLE	Filing Number	Publication Number	Jurisdiction	Filing Date	Publication Date
5227	AN APPARATUS AND METHOD ENHANCING QUALITY OF SERVICE ARCHITECTURE FOR LTE	15/300817	US-2017-0105227-A1	US	9/30/2016	4/13/2017
5228	VIRTUALIZED NETWORK FUNCTION MANAGEMENT	15/323505	US-2017-0150399-A1	US	1/3/2017	5/25/2017
5229	PDCCH DESIGN FOR NARROWBAND DEPLOYMENT	15/324441	US-2017-0223725-A1	US	1/6/2017	8/3/2017
5230	CONTROL OF TRAFFIC FROM APPLICATIONS WHEN THIRD PARTY SERVERS ENCOUNTER PROBLEMS	15/324515	US-2017-0201456-A1	US	1/6/2017	7/13/2017
5231	METHODS AND APPARATUS OF EVOLVED NODE B AND USER EQUIPMENT FOR CAPABILITY INFORMATION SETTING	15/326419	US-2017-0215065-A1	US	1/13/2017	7/27/2017
5232	TECHNIQUES FOR EFFICIENT SMALL CELL DISCOVERY	15/332829		US		
5233	APPARATUS FOR CORRECTING LINEARITY OF A DIGITAL-TO-ANALOG CONVERTER	15/334218	US-2017-0063388-A1	US		3/2/2017
5234	CONTENT ACCESS AUTHENTICATION FOR DYNAMIC ADAPTIVE STREAMING OVER HYPERTEXT TRANSFER PROTOCOL	15/335307	US-2017-0303121-A1	US		10/19/2017
5235	CELL CHANGE IN A MULTI-CARRIER OPERATING CELLULAR RADIO NETWORK	15/346778	US-2017-0171790-A1	US		6/15/2017
5236	METHOD AND DEVICE FOR TEMPERATURE CONTROL IN A RADIO RECEIVER	15/347880	US-2017-0167745-A1	US		6/15/2017
5237	APPARATUS FOR REDUCING AN AMPLITUDE IMBALANCE AND A PHASE IMBALANCE BETWEEN AN IN-PHASE SIGNAL AND A QUADRATURE SIGNAL	15/349008	US-2017-0170915-A1	US		6/15/2017
5238	COMMUNICATION TERMINAL AND METHOD FOR RECEIVING DATA	15/350212	US-2017-0170991-A1	US		6/15/2017
5239	CIRCUIT AND A METHOD FOR ATTACHING A TIME STAMP TO A TRACE MESSAGE	15/350318	US-2017-0180236-A1	US		6/22/2017
5240	BYPASS RING TO IMPROVE NOISE ISOLATION OF COILS AND INDUCTORS	15/350552		US		
5241	METHOD FOR SOLVING CONFLICTS IN SCHEDULING CELL BROADCAST MESSAGE RECEPTION AND IDLE MODE TASKS OF A MOBILE DEVICE	15/354452	US-2017-0181184-A1	US		6/22/2017
5242	MOBILE COMMUNICATIONS DEVICE AND A METHOD FOR CONTROLLING A MOBILE COMMUNICATIONS DEVICE	15/355092	US-2017-0180550-A1	US		6/22/2017
5243	COMMUNICATION DEVICE AND METHOD FOR PERFORMING RADIO COMMUNICATION	15/356767	US-2017-0181107-A1	US		6/22/2017
5244	MOBILE TERMINAL DEVICE AND METHOD FOR PROCESSING SIGNALS	15/356776	US-2017-0180159-A1	US		6/22/2017
5245	COMMUNICATION DEVICE AND METHOD FOR PERFORMING RADIO COMMUNICATION	15/356787	US-2017-0181096-A1	US		6/22/2017
5246	COMMUNICATION DEVICE AND METHOD FOR SIGNAL	15/356806	US-2017-0180066-A1	US		6/22/2017

SCHEDULE A

No.	TITLE	Filing Number	Publication Number	Jurisdiction	Filing Date	Publication Date
	DETERMINATION					
5247	COVERAGE EXTENSION LEVEL FOR COVERAGE LIMITED DEVICE	15/357032	US-2017-0105127-A1	US		4/13/2017
5248	METHOD AND DEVICE FOR SCHEDULING CELL QUALITY MEASUREMENTS IN A MOBILE RECEIVER	15/357366	US-2017-0188274-A1	US		6/29/2017
5249	COMMUNICATION TERMINAL AND METHOD FOR PERFORMING A CELL SEARCH	15/357751	US-2017-0181068-A1	US		6/22/2017
5250	METHOD FOR SHARING A WIRELESS TRANSMISSION MEDIUM IN A TERMINAL DEVICE AND WIRELESS COMMUNICATION DEVICE AND WIRELESS COMMUNICATION CIRCUIT RELATED THERETO	15/357778	US-2017-0181148-A1	US		6/22/2017
5251	COMMUNICATION TERMINAL AND METHOD FOR SELECTING A COMMUNICATION ANTENNA	15/357824	US-2017-0181071-A1	US		6/22/2017
5252	LAWFUL INTERCEPTION FOR DEVICE-TO-DEVICE (D2D) COMMUNICATION	15/363862		US		
5253	CONGESTION MEASUREMENT AND REPORTING FOR REAL-TIME DELAY-SENSITIVE APPLICATIONS	15/369128		US		
5254	DISCRETE LEVELS ENVELOPE TRACKING	15/371768	US-2018-0159566-A1	US		6/7/2018
5255	PROXIMITY-BASED SERVICES DISCOVERY PRIVACY	15/373950		US		
5256	COMMUNICATION SYSTEM AND METHOD	15/385096	US-2018-0176887-A1	US		6/21/2018
5257	PUCCH RESOURCE COMPRESSION FOR EPDCCH IN TDD MODE	15/386404	US-2017-0201977-A1	US		7/13/2017
5258	RADAR METHODS AND APPARATUS USING IN PHASED ARRAY COMMUNICATION SYSTEMS	15/389426	US-2018-0180713-A1	US		6/28/2018
5259	PUSHING BACK PACKET NOT ACKNOWLEDGED BY BASE STATION	15/390211	US-2018-0184322-A1	US		6/28/2018
5260	REFERENCE SIGNAL ENHANCEMENT FOR SHARED CELL	15/392826	US-2017-0111150-A1	US		4/20/2017
5261	DEVICES AND METHODS FOR PROCESSING TRANSMISSIONS FROM MULTIPLE NETWORK ACCESS NODES BASED ON DISTINGUISHING FEATURES	15/393363	US-2018-0192449-A1	US		7/5/2018
5262	NETWORK PROFILE SYSTEM AND METHOD	15/393551	US-2018-0191572-A1	US		7/5/2018
5263	NETWORK COVERAGE HOLE DETECTION	15/394408	US-2017-0111830-A1	US		4/20/2017
5264	GENERATION AND USE OF A USER EQUIPMENT LOCATION DISTRIBUTION IN A WIRELESS COMMUNICATION NETWORK	15/394728	US-2017-0111764-A1	US		4/20/2017
5265	DISCONTINUOUS RECEPTION (DRX) ALIGNMENT TECHNIQUES FOR DUAL-CONNECTIVITY ARCHITECTURES	15/396477	US-2017-0111956-A1	US		4/20/2017
5266	RANDOM ACCESS PROCEDURE FOR DUAL CONNECTIVITY	15/397382		US		

SCHEDULE A

No.	TITLE	Filing Number	Publication Number	Jurisdiction	Filing Date	Publication Date
5267	USER EQUIPMENT AND METHODS FOR CODEBOOK SUBSAMPLING FOR ENHANCED 4TX CODEBOOKS	15/413182	US-2017-0272136-A1	US		9/21/2017
5268	APPARATUS AND METHOD FOR DETERMINING INFORMATION ON A POWER VARIATION OF A TRANSMIT SIGNAL	15/415654	US-2017-0295547-A1	US		10/12/2017
5269	GATEWAY ARRANGEMENTS FOR WIRELESS COMMUNICATION NETWORKS	15/418493	US-2017-0142762-A1	US		5/18/2017
5270	USER EQUIPMENT AND METHOD FOR TRANSMITTING A DATA STREAM TO AN EVOLVED NODE B	15/420871	US-2017-0142688-A1	US		5/18/2017
5271	POWER SAVING MODE OPTIMIZATIONS AND RELATED PROCEDURES	15/424429	US-2017-0245213-A1	US		8/24/2017
5272	TECHNIQUES FOR USER PLANE CONGESTION MITIGATION	15/425811	US-2018-0184417-A1	US		6/28/2018
5273	MANAGEMENT TECHNIQUES FOR WIRELESS NETWORK MOBILITY PROCEDURES	15/436693	US-2018-0020341-A1	US		1/18/2018
5274	DEVICE SYSTEM AND METHOD OF CONFIGURING A RADIO TRANSCEIVER	15/436978	US-2017-0302303-A1	US		10/19/2017
5275	FREQUENCY DEPENDENT ENVELOPE TRACKING	15/443260	US-2018-0248570-A1	US		8/30/2018
5276	SPUR CANCELANON USING INVERSE SPUR INJECTION	15/449078	US-2018-0254852-A1	US		9/6/2018
5277	SYSTEMS AND METHODS FOR SIGNALING IN AN INCREASED CARRIER MONITORING WIRELESS COMMUNICATION ENVIRONMENT	15/452153	US-2017-0180106-A1	US		6/22/2017
5278	DYNAMICAL TIME DIVISION DUPLEX UPLINK AND DOWNLINK CONFIGURATION IN A COMMUNICATIONS NETWORK	15/456125	US-2017-0188373-A1	US		6/29/2017
5279	SUBSCRIBER IDENTITY MODULE DATA ROUTING DEVICES METHODS FOR ROUTING SUBSCRIBER IDENTITY MODULE DATA CONTROL CIRCUITS AND METHODS FOR CONTROLLING A CHANGE OF A ROUTING	15/460326		US		
5280	TECHNIQUES FOR DEVICE-TO-DEVICE COMMUNICATIONS	15/470573		US		
5281	SYSTEMS AND METHODS TO COMPENSATE FOR MEMORY EFFECTS USING ENHANCED MEMORY POLYNOMIALS	15/471302		US		
5282	Feed-Forward Envelope Tracking	15/474186	US-2018-0287563-A1	US		10/4/2018
5283	Frequency domain based digital cancellation of modulated spur interference in LTE-CA transceivers	15/474243	US-2018-0287719-A1	US		10/4/2018
5284	RF Transmit Architecture Methods	15/476014	US-2018-0287821-A1	US		10/4/2018
5285	BINARY STOCHASTIC TIME-TO-DIGITAL CONVERTER AND METHOD	15/477057		US		
5286	EMERGENCY CALL HANDLING	15/477725	US-2017-0208180-	US		7/20/2017

SCHEDULE A

No.	TITLE	Filing Number	Publication Number	Jurisdiction	Filing Date	Publication Date
			A1			
5287	METHODS AND DEVICES FOR CIRCUIT-SWITCHED FALLBACK PROCEDURES	15/480410	US-2017-0332287-A1	US		11/16/2017
5288	ARCHITECTURE FOR WEB-BASED REAL-TIME COMMUNICATIONS (WEBRTC) TO ACCESS INTERNET PROTOCOL MULTIMEDIA SUBSYSTEM (IMS)	15/483831	US-2017-0244765-A1	US		8/24/2017
5289	APPARATUS AND METHODS FOR REDUCING SOFT BUFFER SIZE IN MTC DEVICES	15/484898	US-2017-0223480-A1	US		8/3/2017
5290	APPARATUS SYSTEM AND METHOD OF STEERING DATA RADIO BEARER TRAFFIC TO A WIRELESS LOCAL AREA NETWORK LINK	15/489451	US-2017-0289761-A1	US		10/5/2017
5291	METHOD AND DEVICE FOR MITIGATING INTERFERENCE DUE TO A WIRELESS CHARGING SIGNAL	15/491123	US-2017-0324484-A1	US		11/9/2017
5292	APPARATUS FOR OVERLOAD RECOVERY OF AN INTEGRATOR IN A SIGMA-DELTA MODULATOR	15/494408	US-2017-0288692-A1	US		10/5/2017
5293	METHOD AND DEVICE FOR GAIN ADJUSTMENT IN MOBILITY MEASUREMENTS	15/496531	US-2017-0325116-A1	US		11/9/2017
5294	METHOD APPARATUS AND COMPUTER READABLE MEDIUM FOR SWITCHING BETWEEN LOWER ENERGY AND HIGHER ENERGY WIRELESS COMMUNICATION TECHNIQUES	15/496567	US-2017-0230814-A1	US		8/10/2017
5295	TRANSMISSION OF COMMON CONTROL MESSAGES FOR MACHINE-TYPE COMMUNICATION (MTC) USER EQUIPMENTS WITH REDUCED BANDWIDTH	15/501152	US-2017-0230951-A1	US	2/1/2017	8/10/2017
5296	MODIFIED ARCHITECTURE FOR CLOUD RADIO ACCESS NETWORKS AND APPROACH FOR COMPRESSION OF FRONT-HAUL DATA	15/501407	US-2017-0238361-A1	US	2/2/2017	8/17/2017
5297	APPARATUS SYSTEM AND METHOD OF RELAY BACKHAULING WITH MILLIMETER WAVE CARRIER AGGREGATION	15/503477	US-2017-0230893-A1	US	2/13/2017	8/10/2017
5298	APPARATUSES SYSTEMS AND METHODS FOR PROBABILISTIC TRANSMISSION OF DEVICE-TO-DEVICE (D2D) DISCOVERY MESSAGES	15/505887	US-2017-0280482-A1	US	2/22/2017	9/28/2017
5299	APPARATUS SYSTEM AND METHOD OF WIRELESS LOCAL AREA NETWORK (WLAN) SETTING OF A USER EQUIPMENT (UE)	15/506013	US-2017-0245208-A1	US	2/23/2017	8/24/2017
5300	MOBILE COMMUNICATION IN MACRO-CELL ASSISTED SMALL CELL NETWORKS	15/508331	US-2017-0311217-A1	US	3/2/2017	10/26/2017
5301	UL TRAFFIC CONTROL METHOD IN TIGHTLY INTEGRATED WIFI/LTE	15/510683	US-2017-0223698-A1	US	3/11/2017	8/3/2017
5302	NETWORK FUNCTIONS VIRTUALIZATION	15/510998	US-2017-0257276-A1	US	3/13/2017	9/7/2017

SCHEDULE A

No.	TITLE	Filing Number	Publication Number	Jurisdiction	Filing Date	Publication Date
5303	METHODS AND APPARATUSES FOR FLEXIBLE MOBILE STEERING IN CELLULAR NETWORKS	15/512511	US-2018-0375759-A1	US	3/17/2017	12/27/2018
5304	INCREASED CARRIER MONITORING	15/512822	US-2017-0251511-A1	US	3/20/2017	8/31/2017
5305	METHODS AND APPARATUSES TO FORM SELF-ORGANIZED MULTI-HOP MILLIMETER WAVE BACKHAUL LINKS	15/513116	US-2018-0249461-A1	US	3/21/2017	8/30/2018
5306	CONNECTION CONTROL FOR MACHINE TYPE COMMUNICATION (MTC) DEVICES	15/514444	US-2017-0251516-A1	US	3/24/2017	8/31/2017
5307	EARLY TERMINATION OF REPEATED TRANSMISSIONS FOR MTC	15/517430	US-2017-0303248-A1	US	4/6/2017	10/19/2017
5308	APPARATUS AND METHOD FOR NETWORK ASSISTED DOMAIN SELECTION	15/519639	US-2017-0251084-A1	US	4/17/2017	8/31/2017
5309	ENHANCED PHYSICAL DOWNLINK CONTROL CHANNEL IN MACHINE-TYPE COMMUNICATION	15/520981	US-2018-0026759-A1	US	4/21/2017	1/25/2018
5310	DEVICE AND METHOD TO IMPROVE HORIZONTAL AND VERTICAL POSITIONING ACCURACY	15/524842	US-2017-0374638-A1	US	5/5/2017	12/28/2017
5311	UPLINK SCHEDULING FOR LICENSE ASSISTED ACCESS	15/537024	US-2017-0366308-A1	US	6/16/2017	12/21/2017
5312	APPARATUS SYSTEM AND METHOD OF PROCESSING PDCP PDUs OF AN E-RAB	15/537990	US-2017-0367007-A1	US	6/20/2017	12/21/2017
5313	OTDOA (OBSERVED TIME DIFFERENCE OF ARRIVAL) POSITIONING ENHANCEMENT BY USING HETEROGENEOUS REFERENCE SIGNALS	15/539896	US-2018-0011163-A1	US	6/26/2017	1/11/2018
5314	POWER HEADROOM REPORTING WITH CHANNEL SELECTION	15/540923	US-2018-0007641-A1	US	6/29/2017	1/4/2018
5315	SYSTEMS METHODS AND DEVICES FOR RADIO ACCESS TECHNOLOGY COORDINATION	15/542032	US-2018-0020462-A1	US	7/6/2017	1/18/2018
5316	USER EQUIPMENT RADIO FREQUENCY AND BAND CAPABILITY FOR CARRIER AGGREGATION MEASUREMENT GAP	15/542260	US-2018-0006774-A1	US	7/7/2017	1/4/2018
5317	USER EQUIPMENT CONTROLLED MOBILITY IN AN EVOLVED RADIO ACCESS NETWORK	15/542262	US-2017-0374612-A1	US	7/7/2017	12/28/2017
5318	DEVICE SYSTEM AND METHOD EMPLOYING UNIFIED FLEXIBLE 5G AIR INTERFACE	15/542716	US-2018-0007673-A1	US	7/11/2017	1/4/2018
5319	SYSTEMS METHODS AND DEVICES FOR UPLINK TRANSMISSIONS WITH REDUCED SIGNALING OVERHEAD	15/546257	US-2018-0020365-A1	US	7/25/2017	1/18/2018
5320	APPARATUS SYSTEM AND METHOD OF OFFLOADING TRAFFIC OF A SECONDARY CELL GROUP (SCG)	15/550123	US-2018-0049062-A1	US	8/10/2017	2/15/2018
5321	METHODS AND APPARATUSES FOR MACHINE-TYPE COMMUNICATIONS IN CELLULAR NETWORKS	15/551885	US-2018-0041957-A1	US	8/17/2017	2/8/2018
5322	POSITIONING REFERENCE SYSTEM (PRS) DESIGN ENHANCEMENT	15/552588	US-2018-0054286-A1	US	8/22/2017	2/22/2018

SCHEDULE A

No.	TITLE	Filing Number	Publication Number	Jurisdiction	Filing Date	Publication Date
5323	SIGNALLING FOR PER CARRIER-COMPONENT BASED ENHANCED MEASUREMENT GAP CONFIGURATION	15/553071	US-2018-0034598-A1	US	8/23/2017	2/1/2018
5324	DEVICE SYSTEM AND METHOD OF QUASI-ORTHOGONAL MULTIPLE ACCESS	15/553363	US-2018-0124684-A1	US	8/24/2017	5/3/2018
5325	CARRIER-SENSING TECHNIQUES FOR LTE-BASED TRANSMISSIONS OVER UNLICENSED CARRIERS	15/558003	US-2018-0049241-A1	US	9/13/2017	2/15/2018
5326	USER EQUIPMENT AND METHODS FOR PHYSICAL UPLINK CONTROL CHANNEL (PUCCH) RESOURCE ALLOCATION AND COMMUNICATION	15/559991	US-2018-0069675-A1	US	9/20/2017	3/8/2018
5327	TRANSMISSION DESIGNS FOR RADIO ACCESS TECHNOLOGIES	15/560472	US-2018-0063820-A1	US	9/21/2017	3/1/2018
5328	DEVICE AND METHOD OF CONFIGURABLE SYNCHRONIZATION SIGNAL AND CHANNEL DESIGN	15/564859	US-2018-0091249-A1	US	10/6/2017	3/29/2018
5329	NON-CONTENTION BASED LOW LATENCY SCHEDULING REQUEST TRANSMISSION	15/565436	US-2018-0132268-A1	US	10/10/2017	5/10/2018
5330	PDCP STATUS REPORTING FOR MULTI-RAT OFFLOADING	15/565458	US-2018-0124642-A1	US	10/10/2017	5/3/2018
5331	PHYSICAL BROADCAST CHANNEL DESIGN	15/565466	US-2018-0131491-A1	US	10/10/2017	5/10/2018
5332	METHODS AND DEVICES FOR CHANNEL ESTIMATION FOR MOBILE SYSTEMS OF INSUFFICIENT CYCLIC PREFIX LENGTH	15/565557	US-2018-0123837-A1	US	10/10/2017	5/3/2018
5333	CARRIER AGGREGATION ENHANCEMENT	15/565644	US-2018-0083684-A1	US	10/10/2017	3/22/2018
5334	MEASUREMENT METHOD IN CARRIER AGGREGATION AND ASYNCHRONOUS DUAL CONNECTIVITY	15/565674	US-2018-0083748-A1	US	10/10/2017	3/22/2018
5335	MEASUREMENT GAP CONFIGURATION IN DUAL CONNECTIVITY ENHANCEMENT	15/565726	US-2018-0077596-A1	US	10/11/2017	3/15/2018
5336	MEASUREMENT GAP ENHANCEMENT TO REDUCE MEASUREMENT DELAY	15/566139	US-2018-0098253-A1	US	10/12/2017	4/5/2018
5337	EVOLVED NODE-B SHARED SPECTRUM CONTROLLER AND METHOD FOR COMMUNICATION IN SHARED SPECTRUM	15/566190	US-2018-0115903-A1	US	10/12/2017	4/26/2018
5338	PAGING ENHANCEMENT FOR EXTENDED DRX IN CELLULAR SYSTEMS	15/566201	US-2018-0338281-A1	US	10/12/2017	11/22/2018
5339	CONTENTION FREE PHYSICAL UPLINK SHARED CONTROL CHANNEL (PUSCH) TRANSMISSION USING LISTEN BEFORE TALK	15/566511	US-2018-0302868-A1	US	10/13/2017	10/18/2018
5340	UE-TO-NETWORK RELAY INITIATION AND CONFIGURATION	15/566650	US-2018-0098370-A1	US	10/13/2017	4/5/2018
5341	ATTENTION (AT) COMMANDS FOR PACKET DATA NETWORK CONNECTION OFFLOAD	15/567350	US-2018-0160461-A1	US	10/17/2017	6/7/2018
5342	ADAPTIVE VIDEO CONTENT FOR CELLULAR COMMUNICATION	15/569168	US-2018-0152499-A1	US	10/25/2017	5/31/2018

SCHEDULE A

No.	TITLE	Filing Number	Publication Number	Jurisdiction	Filing Date	Publication Date
5343	SEAMLESS MOBILITY FOR 5G AND LTE SYSTEMS AND DEVICES	15/569505	US-2018-0302834-A1	US	10/26/2017	10/18/2018
5344	ADAPTIVE VIDEO STREAMING USING DYNAMIC RADIO ACCESS NETWORK INFORMATION	15/570826	US-2018-0139254-A1	US	10/31/2017	5/17/2018
5345	LOW OVERHEAD SYSTEM INFORMATION ACQUISITION FOR WIRELESS COMMUNICATION	15/571332	US-2018-0288683-A1	US	11/2/2017	10/4/2018
5346	LATENCY REDUCTION TECHNIQUES FOR RADIO ACCESS NETWORKS	15/571500	US-2018-0310324-A1	US	11/2/2017	10/25/2018
5347	APPARATUS METHOD AND COMPUTER PROGRAM FOR TRANSCEIVERS OF A MOBILE COMMUNICATION SYSTEM	15/572844	US-2018-0160363-A1	US	11/9/2017	6/7/2018
5348	UPLINK RESOURCE COLLISION REDUCTION IN FD-MIMO	15/572994	US-2018-0145794-A1	US	11/9/2017	5/24/2018
5349	OFDMA-BASED MULTIPLEXING OF UPLINK CONTROL INFORMATION	15/573314	US-2018-0110041-A1	US	11/10/2017	4/19/2018
5350	ACK/NACK SIGNALS FOR NEXT GENERATION LTE DEVICES AND SYSTEMS	15/574681	US-2018-0139014-A1	US	11/16/2017	5/17/2018
5351	DYNAMIC PARTITION RESOURCE ALLOCATION IN 5G NETWORKS	15/574765	US-2018-0152269-A1	US	11/16/2017	5/31/2018
5352	USER EQUIPMENT AND CODEBOOK SEARCH METHOD FOR 4TX DUAL CODEBOOK (RAN1)	15/575226	US-2018-0167115-A1	US	11/17/2017	6/14/2018
5353	LOW LATENCY CONTENTION BASED SCHEDULING REQUEST	15/575320	US-2018-0152950-A1	US	11/17/2017	5/31/2018
5354	DISTRIBUTED LINK SCHEDULING TECHNIQUE FOR DEVICE TO DEVICE COMMUNICATION	15/575544	US-2018-0132190-A1	US	11/20/2017	5/10/2018
5355	SYSTEM AND A METHOD FOR DETERMINING A CORRECTION FOR AN OUTPUT VALUE OF A TIME-TO-DIGITAL CONVERTER WITHIN A PHASE-LOCKED LOOP	15/575830	US-2018-0131380-A1	US	11/21/2017	5/10/2018
5356	A RECEIVER AND A METHOD FOR REDUCING A DISTORTION COMPONENT WITHIN A BASEBAND RECEIVE SIGNAL	15/575867	US-2018-0159585-A1	US	11/21/2017	6/7/2018
5357	SECURE FIRMWARE UPGRADE FOR CELLULAR IOT	15/575906	US-2018-0150289-A1	US	11/21/2017	5/31/2018
5358	ENHANCED SUPPORT VEHICLE-TO-ANYTHING (V2X) COMMUNICATION	15/577292	US-2018-0152819-A1	US	11/27/2017	5/31/2018
5359	DIGITAL TIME CONVERTER SYSTEMS AND METHODS	15/583063	US-2018-0006658-A1	US		1/4/2018
5360	DEVICE AND METHOD FOR RECOVERING SERVICES FROM NETWORK REJECTIONS TO WIRELESS COMMUNICATION DEVICES	15/584103	US-2017-0353939-A1	US		12/7/2017
5361	APPARATUS AND METHOD FOR SINGLE-TONE DEVICE DISCOVERY IN WIRELESS COMMUNICATION NETWORKS	15/589255	US-2017-0373815-A1	US		12/28/2017
5362	TECHNIQUES FOR WIRELESS NETWORK DISCOVERY AND SELECTION SUPPORT	15/589912	US-2018-0063776-A1	US		3/1/2018

SCHEDULE A

No.	TITLE	Filing Number	Publication Number	Jurisdiction	Filing Date	Publication Date
5363	INTERFERENCE DETECTION DEVICE INTERFERENCE DETECTION APPARATUS INTERFERENCE DETECTION METHOD COMPUTER PROGRAM RECEIVER MOBILE TERMINAL AND BASE STATION	15/590073	US-2017-0359092- A1	US		12/14/2017
5364	DEBUGGING TRANSLATION BLOCK AND DEBUGGING ARCHITECTURE	15/591161	US-2018-0328986- A1	US		11/15/2018
5365	AMPLIFICATION CIRCUIT APPARATUS FOR AMPLIFYING LOW NOISE AMPLIFIER RADIO RECEIVER MOBILE TERMINAL BASE STATION AND METHOD FOR AMPLIFYING	15/593347	US-2017-0359040- A1	US		12/14/2017
5366	CIRCUIT ARRANGEMENT FOR CLOCK SYNCHRONIZATION	15/600862	US-2017-0367060- A1	US		12/21/2017
5367	STORING A VALUE OF A COUNTER FOR A WIRELESS LOCAL AREA NETWORK	15/601786	US-2017-0257783- A1	US		9/7/2017
5368	COMMUNICATION TERMINAL AND METHOD FOR USING A SHARED RADIO COMMUNICATION COMPONENT	15/602184	US-2017-0374544- A1	US		12/28/2017
5369	TRANSCEIVER DEVICE AND A METHOD FOR GENERATING A COMPENSATION SIGNAL	15/606290		US		
5370	APPARATUS ADAPTED FOR MAINTAINING RECEIVING DATA QUALITY AND METHOD FOR RECEIVING DATA	15/607556	US-2018-0007113- A1	US		1/4/2018
5371	APPARATUS OF A USER EQUIPMENT ADAPTED FOR RECEIVING EMERGENCY NOTIFICATION INFORMATION USED IN MOBILE COMMUNICATION AND METHOD FOR RECEIVING EMERGENCY NOTIFICATION INFORMATION	15/607709	US-2018-0007525- A1	US		1/4/2018
5372	SYSTEMS METHODS AND DEVICES FOR DIRECT COMMUNICATION	15/608772	US-2018-0013737- A1	US		1/11/2018
5373	METHOD AND DEVICE FOR MITIGATING INTERFERENCE IN COLLOCATED TRANSCEIVERS	15/611021	US-2018-0007697- A1	US		1/4/2018
5374	DECODING DEVICE AND METHOD USING CONTEXT REDUNDANCY	15/611625	US-2018-0018243- A1	US		1/18/2018
5375	DELIVERY OF TARGETED MEDIA CONTENT	15/613785	US-2017-0272983- A1	US		9/21/2017
5376	RADIO LINK FAILURE HANDLING FOR DUAL CONNECTIVITY	15/614208	US-2017-0273095- A1	US		9/21/2017
5377	DEVICES AND METHODS FOR HARQ- ACK FEEDBACK SCHEME ON PUSCH IN WIRELESS COMMUNICATION SYSTEMS	15/624324	US-2018-0034610- A1	US		2/1/2018
5378	AT COMMAND FOR SECURE ESM INFORMATION	15/628246	US-2017-0289802- A1	US		10/5/2017
5379	LOAD BALANCING SCHEMES FOR IDLE MODE USER EQUIPMENT	15/631947	US-2017-0289849- A1	US		10/5/2017
5380	PROCEDURES TO PROVISION AND ATTACH A CELLULAR INTERNET OF THINGS DEVICE TO A CLOUD SERVICE PROVIDER	15/632790	US-2017-0311115- A1	US		10/26/2017
5381	POLAR TRANSMITTER WITH JOINED MODULATOR	15/639444		US		

SCHEDULE A

No.	TITLE	Filing Number	Publication Number	Jurisdiction	Filing Date	Publication Date
5382	USER EQUIPMENT AND METHODS FOR MEASUREMENT OF REFERENCE SIGNAL RECEIVED QUALITY	15/639547	US-2017-0311215-A1	US		10/26/2017
5383	PROVISIONING OF APPLICATION CATEGORIES AT A USER EQUIPMENT DURING NETWORK CONGESTION	15/644327	US-2017-0311229-A1	US		10/26/2017
5384	DRX OPERATION FOR UL/DL RECONFIGURATION	15/659425	US-2017-0332271-A1	US		11/16/2017
5385	INTERACTIVE VIDEO CONFERENCING	15/668150	US-2017-0332042-A1	US		11/16/2017
5386	TECHNIQUES TO MANAGE RADIO FREQUENCY CHAINS	15/670545		US		
5387	SLICING ARCHITECTURE FOR WIRELESS COMMUNICATION	15/670923	US-2017-0339567-A1	US		11/23/2017
5388	AUTOMATIC GAIN CONTROL GAIN ADJUSTMENT	15/671748	US-2017-0339649-A1	US		11/23/2017
5389	MME OVERLOAD OR UNDERLOAD MITIGATION BY MME VNF APPARATUS AND METHOD	15/676790	US-2018-0063741-A1	US		3/1/2018
5390	CONTROL OF WLAN SELECTION POLICIES IN ROAMING SCENARIOS	15/682157		US		
5391	MTSI BASED UE CONFIGURABLE FOR VIDEO REGION-OF-INTEREST (ROI) SIGNALING	15/682168	US-2017-0374647-A1	US		12/28/2017
5392	SYSTEMS METHODS AND DEVICES FOR DEVICE-TO-DEVICE COMMUNICATION MODE SELECTION	15/682878	US-2017-0353848-A1	US		12/7/2017
5393	PROCESSING REQUESTS FOR MEASUREMENT OF SIGNAL QUALITY AT THE LOCATION OF A USER EQUIPMENT WITH MULTIPLE SIMS OR SUBSCRIPTIONS	15/688910	US-2018-0098238-A1	US		4/5/2018
5394	MULTICAST-BASED GROUP COMMUNICATIONS IN AD HOC ARRANGEMENTS OF WIRELESS DEVICES	15/691723	US-2017-0367072-A1	US		12/21/2017
5395	TELEPHONE CALL PROCEDURES FOR POWER EFFICIENT MOBILE TERMINATING PACKET SWITCHED SERVICES	15/692477	US-2019-0069161-A1	US		2/28/2019
5396	SYSTEMS AND METHODS FOR SIGNALING IN AN INCREASED CARRIER MONITORING WIRELESS COMMUNICATION ENVIRONMENT	15/694617	US-2018-0013537-A1	US		1/11/2018
5397	SYSTEMS AND METHODS FOR EFFICIENT TRAFFIC OFFLOAD WITHOUT SERVICE DISRUPTION	15/697662	US-2018-0110064-A1	US		4/19/2018
5398	EVOLVED NODE-B AND USER EQUIPMENT AND METHODS FOR OPERATION IN A COVERAGE ENHANCEMENT MODE	15/701090	US-2018-0027516-A1	US		1/25/2018
5399	SYSTEMS METHODS AND DEVICES FOR OPPORTUNISTIC NETWORKING	15/708560	US-2018-0006776-A1	US		1/4/2018
5400	INTERACTIVE VIDEO CONFERENCING	15/710589	US-2018-0013980-A1	US		1/11/2018
5401	ESTABLISHMENT OF CONNECTION TO THE INTERNET	15/711839	US-2018-0014177-A1	US		1/11/2018

SCHEDULE A

No.	TITLE	Filing Number	Publication Number	Jurisdiction	Filing Date	Publication Date
5402	SYSTEMS APPARATUSES AND METHODS FOR LIGHTWEIGHT OVER-THE-AIR SIGNALING MECHANISMS IN DATA COMMUNICATIONS	15/714408		US		
5403	SIGNALING FOR INTER-CELL D2D DISCOVERY IN AN LTE NETWORK	15/717540	US-2018-0020459-A1	US		1/18/2018
5404	METHODS AND DEVICES FOR SPUR CANCELLATION IN DIGITAL PHASE LOCKED LOOPS	15/722669		US		
5405	NETWORK ASSISTED DEVICE TO DEVICE DISCOVERY	15/722882	US-2018-0027401-A1	US		1/25/2018
5406	DYNAMIC CONFIGURATION OF UPLINK (UL) AND DOWNLINK (DL) FRAME RESOURCES FOR A TIME DIVISION DUPLEX (TDD) TRANSMISSION	15/722889	US-2018-0027581-A1	US		1/25/2018
5407	APPARATUS SYSTEM AND METHOD OF PROVIDING OFFLOADABILITY INFORMATION TO A USER-EQUIPMENT (UE)	15/724282	US-2018-0027450-A1	US		1/25/2018
5408	PRESENCE SERVICE USING IMS BASED DASH SERVICE	15/725205	US-2018-0035450-A1	US		2/1/2018
5409	RESOURCE ALLOCATION FOR D2D DISCOVERY IN AN LTE NETWORK	15/730287	US-2018-0035441-A1	US		2/1/2018
5410	EXTENDED PAGING DISCONTINUOUS RECEPTION (DRX) CYCLES IN WIRELESS COMMUNICATION NETWORKS	15/730313	US-2018-0098280-A1	US		4/5/2018
5411	MULTI-TRANSMISSION CAPABLE DATA TRANSMISSION SYSTEM AND METHOD OF OPERATING THE SAME	15/736416		US	12/14/2017	
5412	REFERENCE SIGNAL POWER MEASUREMENT FILTERING	15/736453	US-2019-0342812-A1	US	12/14/2017	11/7/2019
5413	METHODS AND DEVICES FOR PROVIDING A ROBUST DATA COMMUNICATION BETWEEN A CLIENT AND A SERVER	15/738060	US-2018-0234207-A1	US	12/19/2017	8/16/2018
5414	METHOD AND RELATED MOBILE DEVICE FOR FAST BLIND DECODING	15/738077	US-2018-0234112-A1	US	12/19/2017	8/16/2018
5415	METHOD AND DEVICE FOR DETERMINING CHANNEL STATE INFORMATION	15/738086	US-2018-0234155-A1	US	12/19/2017	8/16/2018
5416	METHOD FOR POWER SAVING AND POWER SAVING CIRCUIT FOR A MOBILE DEVICE	15/738449		US	12/20/2017	
5417	METHOD FOR MITIGATING INTERFERENCE AND INTERFERENCE MITIGATING RECEIVER	15/738468	US-2019-0319665-A1	US	12/20/2017	10/17/2019
5418	METHOD AND DEVICE FOR DETECTING A TRANSMISSION FROM AN INTERFERING RADIO CELL	15/738599	US-2018-0175959-A1	US	12/21/2017	6/21/2018
5419	A MOBILE COMMUNICATIONS DEVICE AND A METHOD FOR CONTROLLING A MOBILE COMMUNICATIONS DEVICE RECEIVER	15/738605	US-2018-0167884-A1	US	12/21/2017	6/14/2018
5420	COMMUNICATION DEVICE AND METHOD FOR STORING DATA	15/738617	US-2018-0183547-A1	US	12/21/2017	6/28/2018

SCHEDULE A

No.	TITLE	Filing Number	Publication Number	Jurisdiction	Filing Date	Publication Date
5421	POWER SAVE IN MACHINE TYPE COMMUNICATION DEVICE	15/738979	US-2019-0268845-A1	US	12/21/2017	8/29/2019
5422	TRANSMISSION TOGGLE UPLINK COMPENSATION	15/738993	US-2019-0334663-A1	US	12/21/2017	10/31/2019
5423	COMMUNICATION TERMINAL AND METHOD FOR HANDLING UPLOAD TRAFFIC CONGESTION	15/739177	US-2018-0176818-A1	US	12/22/2017	6/21/2018
5424	VIRTUAL MOBILE MANAGEMENT ENTITY MANAGEMENT	15/741285	US-2018-0206108-A1	US	1/1/2018	7/19/2018
5425	USER EQUIPMENT (UE) AND METHODS FOR COMMUNICATION USING DIRECTIONAL TRANSMISSION AND RECEPTION	15/741619	US-2018-0198504-A1	US	1/3/2018	7/12/2018
5426	UCI FOR CARRIER AGGREGATION	15/741911	US-2018-0205525-A1	US	1/4/2018	7/19/2018
5427	SYSTEMS METHODS AND DEVICES FOR SHARING A WIRELESS MEDIUM USING LISTEN BEFORE TALK	15/742388	US-2018-0206269-A1	US	1/5/2018	7/19/2018
5428	DYNAMIC SPECTRUM ACCESS WITH FLEXIBLE BANDWIDTH FOR LICENSED SHARED ACCESS SYSTEMS	15/742481	US-2018-0206214-A1	US	1/5/2018	7/19/2018
5429	ENHANCED SOUNDING REFERENCE SIGNALING FOR UPLINK BEAM TRACKING	15/743094	US-2019-0081751-A1	US	1/9/2018	3/14/2019
5430	LIGHTWEIGHT S-1 LITE PROTOCOL DESIGN FOR CELLULAR INTERNET OF THINGS	15/743168	US-2019-0098531-A1	US	1/9/2018	3/28/2019
5431	USER EQUIPMENT CAPABILITY REPORTING	15/743562	US-2018-0206113-A1	US	1/10/2018	7/19/2018
5432	CIOT ARCHITECTURE FOR EFFICIENT DATA TRANSMISSION	15/743574	US-2018-0206093-A1	US	1/10/2018	7/19/2018
5433	CONFIGURATION OF NON-UE-SPECIFIC SEARCH SPACE FOR M-PDCCCH	15/743589	US-2018-0212736-A1	US	1/10/2018	7/26/2018
5434	CODEBOOK DESIGN FOR BEAMFORMED CSI-RS FOR FD-MIMO	15/743800	US-2018-0205438-A1	US	1/11/2018	7/19/2018
5435	METHOD OF MEASUREMENT GAP ENHANCEMENT	15/743915	US-2018-0213425-A1	US	1/11/2018	7/26/2018
5436	BEAMFORMING DEVICE	15/745141	US-2018-0212653-A1	US	1/16/2018	7/26/2018
5437	METHODS FOR CQI FEEDBACK AND RRM MEASUREMENTS WITH DYNAMIC POWER SHARING AMONG MULTIPLE LAA SCELLS FOR DL-ONLY TRANSMISSION	15/745409	US-2018-0212740-A1	US	1/16/2018	7/26/2018
5438	DISCOVERY REFERENCE SIGNAL TRANSMISSION FOR LTE IN UNLICENSED BAND	15/745424	US-2018-0213561-A1	US	1/16/2018	7/26/2018
5439	MACHINE TYPE COMMUNICATION RELAYING	15/745572	US-2018-0213379-A1	US	1/17/2018	7/26/2018
5440	LAYER 2 RELAY PROTOCOLS AND MOBILITY RELAY METHOD	15/745868	US-2018-0213577-A1	US	1/18/2018	7/26/2018
5441	CONVERGENCE LAYER FOR 5G COMMUNICATION SYSTEMS	15/745890	US-2018-0227219-A1	US	1/18/2018	8/9/2018
5442	POWER OPTIMIZATION FOR CHANNEL STATE REPORTS IN A WIRELESS COMMUNICATION NETWORK	15/745999	US-2018-0213482-A1	US	1/19/2018	7/26/2018

SCHEDULE A

No.	TITLE	Filing Number	Publication Number	Jurisdiction	Filing Date	Publication Date
5443	RADIO RESOURCE CONTROL IN CELLULAR/WLAN AGGREGATION	15/746341	US-2018-0234869-A1	US	1/19/2018	8/16/2018
5444	SYSTEM AND METHODS FOR SYSTEM OPERATION FOR NARROWBAND-LTE FOR CELLULAR IOT	15/746771	US-2018-0213468-A1	US	1/22/2018	7/26/2018
5445	APPARATUS SYSTEM AND METHOD OF COMMUNICATING BETWEEN A CELLULAR MANAGER AND A USER EQUIPMENT (UE) VIA A WLAN NODE	15/746865	US-2019-0124511-A1	US	1/23/2018	4/25/2019
5446	BEAMFORMING TRAINING REFERENCE SIGNAL DESIGN	15/746983	US-2019-0013848-A1	US	1/23/2018	1/10/2019
5447	TRANSMIT BEAMFORMING	15/747000	US-2018-0212659-A1	US	1/23/2018	7/26/2018
5448	APPARATUSES FOR DMRS DESIGN OR PROCESSING FOR GUARD INTERVAL OR ZERO TAIL DFT SPREAD OFDM SYSTEMS	15/747009	US-2018-0219709-A1	US	1/23/2018	8/2/2018
5449	MANAGING ASPECTS OF RECEIVE BEAMFORMING	15/747010	US-2018-0219594-A1	US	1/23/2018	8/2/2018
5450	INTER-BEAM MOBILITY CONTROL IN MIMO COMMUNICATION SYSTEMS	15/747027	US-2019-0013857-A1	US	1/23/2018	1/10/2019
5451	INDICATION OF TDD UPLINK AND DOWNLINK CONFIGURATIONS	15/747270	US-2018-0220407-A1	US	1/24/2018	8/2/2018
5452	USER EQUIPMENT (UE) AND METHODS FOR DYNAMIC MILLIMETER WAVE PENCIL CELL COMMUNICATION	15/747273	US-2018-0220308-A1	US	1/25/2018	8/2/2018
5453	NETWORK DISCOVERY AND BEAM ACQUISITION IN 5G RAT BEAM CELL OPERATION	15/747409	US-2018-0241458-A1	US	1/24/2018	8/23/2018
5454	RECEIVER AND A METHOD FOR REDUCING A DISTORTION COMPONENT WITHIN A BASEBAND RECEIVE SIGNAL	15/747771	US-2018-0219573-A1	US	1/26/2018	8/2/2018
5455	PERFORMING MISSION CRITICAL COMMUNICATIONS AT A USER EQUIPMENT (UE)	15/748157	US-2018-0227958-A1	US	1/26/2018	8/9/2018
5456	METHODS AND APPARATUSES FOR CHANNEL ESTIMATION FOR NB-PBCH IN NB-LTE SYSTEMS	15/749307	US-2018-0227148-A1	US	1/31/2018	8/9/2018
5457	CONFIGURATION OF MEASUREMENT SUBFRAMES FOR A USER EQUIPMENT (UE)	15/749487	US-2018-0220386-A1	US	1/31/2018	8/2/2018
5458	SECURE DIRECT DISCOVERY AMONG USER EQUIPMENT	15/749704	US-2018-0234827-A1	US	2/1/2018	8/16/2018
5459	DUAL CONNECTIVITY FOR RELIABILITY	15/749717	US-2018-0235022-A1	US	2/1/2018	8/16/2018
5460	RADIO NETWORK ACCESS OF WEARABLE DEVICES	15/749728	US-2018-0213582-A1	US	2/1/2018	7/26/2018
5461	DETERMINATION OF NUMBER OF PHYSICAL UPLINK CONTROL CHANNEL REPETITIONS FOR MACHINE TYPE COMMUNICATIONS	15/749757	US-2019-0182824-A1	US	2/1/2018	6/13/2019

SCHEDULE A

No.	TITLE	Filing Number	Publication Number	Jurisdiction	Filing Date	Publication Date
5462	A METHOD AND AN APPARATUS FOR DETERMINING A NOISE SHAPED QUANTIZED PARAMETER CONTRIBUTING TO THE GENERATION OF AN OUTPUT SIGNAL	15/750257	US-2018-0262384-A1	US	2/5/2018	9/13/2018
5463	IMS EMERGENCY CALL ROUTING TECHNIQUES	15/750825	US-2018-0227419-A1	US	2/6/2018	8/9/2018
5464	ENERGY DETECTION THRESHOLD ADAPTATION FOR LICENSED ASSISTED ACCESS OF LTE IN UNLICENSED BAND	15/751127	US-2018-0234886-A1	US	2/7/2018	8/16/2018
5465	APPARATUS AND A METHOD FOR PREDICTING A FUTURE STATE OF AN ELECTRONIC COMPONENT	15/751208	US-2018-0231601-A1	US	2/8/2018	8/16/2018
5466	HARQ FEEDBACK CONFIGURATION TECHNIQUES FOR BROADBAND WIRELESS COMMUNICATION NETWORKS	15/751451		US	2/8/2018	
5467	RANDOM ACCESS PROCEDURE FOR BEAM BASED CELL-LESS OPERATION IN 5G RAT	15/751676	US-2018-0235013-A1	US	2/9/2018	8/16/2018
5468	RECEIVED SIGNAL STRENGTH INDICATOR MEASUREMENT FOR LICENSED ASSISTED ACCESS	15/751838	US-2018-0241486-A1	US	2/9/2018	8/23/2018
5469	SYSTEM INFORMATION CHANGE NOTIFICATION TECHNIQUES FOR WIRELESS COMMUNICATIONS NETWORKS	15/751843	US-2018-0270738-A1	US	2/9/2018	9/20/2018
5470	METHOD APPARATUS AND SYSTEM FOR REPORTING BEAM REFERENCE SIGNAL RECEIVING POWER	15/752553	US-2019-0028167-A1	US	2/13/2018	1/24/2019
5471	REFERENCE SIGNAL FOR RECEIVE BEAM REFINEMENT IN CELLULAR SYSTEMS	15/752764	US-2019-0007116-A1	US	2/14/2018	1/3/2019
5472	AN APPARATUS AND A METHOD FOR GENERATING A RADIO FREQUENCY SIGNAL	15/753551	US-2018-0262383-A1	US	2/20/2018	9/13/2018
5473	BEAMFORMED PHYSICAL DOWNLINK CONTROL CHANNELS (BPDCCHS) FOR NARROW BEAM BASED WIRELESS COMMUNICATION	15/753953	US-2018-0254853-A1	US	2/20/2018	9/6/2018
5474	METHODS FOR RADIO COMMUNICATION AND COMMUNICATION DEVICES	15/753996	US-2018-0248610-A1	US	2/21/2018	8/30/2018
5475	AN APPARATUS AND A METHOD FOR GENERATING A RADIO FREQUENCY SIGNAL	15/754043	US-2018-0248740-A1	US	2/21/2018	8/30/2018
5476	SUPPORTING SEMI-PERSISTENT SCHEDULING FOR VARIED TRANSMISSION TIME INTERVALS	15/754476	US-2018-0242389-A1	US	2/22/2018	8/23/2018
5477	RADIO RECEIVER AND METHOD FOR DETECTING A LAYER OF A MULTI-LAYERED SIGNAL	15/755352	US-2018-0248719-A1	US	2/26/2018	8/30/2018
5478	APPARATUS AND METHOD FOR REPORTING SYSTEM FRAME NUMBER (SFN) AND SUBFRAME OFFSET IN DUAL CONNECTIVITY (DC) ENHANCEMENT	15/755529	US-2018-0249463-A1	US	2/26/2018	8/30/2018

SCHEDULE A

No.	TITLE	Filing Number	Publication Number	Jurisdiction	Filing Date	Publication Date
5479	WIRELESS PERSONAL AREA NETWORK UNDERLYING CELLULAR NETWORKS	15/755530	US-2018-0255611-A1	US	2/27/2018	9/6/2018
5480	EVOLVED NODE-B (ENB) USER EQUIPMENT (UE) AND METHODS FOR FLEXIBLE DUPLEX COMMUNICATION	15/756210	US-2018-0359762-A1	US	2/28/2018	12/13/2018
5481	AIR INTERFACE RESOURCE UTILIZATION TECHNIQUES FOR WIRELESS COMMUNICATION NETWORKS	15/756516	US-2018-0262975-A1	US	2/28/2018	9/13/2018
5482	RRM REQUIREMENT FOR D2D INTER-CARRIER DISCOVERY GAP	15/756943	US-2018-0279109-A1	US	3/1/2018	9/27/2018
5483	COMMUNICATION DEVICE AND METHOD FOR RECEIVING SIGNALS IN A FREQUENCY RANGE	15/757375	US-2018-0242340-A1	US	3/5/2018	8/23/2018
5484	METHOD FOR PERFORMING MOBILE COMMUNICATIONS MOBILE TERMINAL DEVICE AND MOBILE BASEBAND PROCESSING CIRCUIT	15/757378	US-2019-0029001-A1	US	3/5/2018	1/24/2019
5485	ENHANCED PAGING MECHANISM FOR CELLULAR INTERNET OF THINGS	15/758246	US-2018-0263013-A1	US	3/7/2018	9/13/2018
5486	BEAM INTERPOLATION IN MASSIVE MIMO SYSTEMS	15/758305	US-2018-0269945-A1	US	3/7/2018	9/20/2018
5487	CIRCUIT ARRANGEMENT MOBILE DEVICE AND METHOD FOR AMPLIFYING A SIGNAL	15/758736	US-2018-0302052-A1	US	3/9/2018	10/18/2018
5488	COMMUNICATION TERMINAL AND METHOD FOR COMMUNICATING DATA	15/758740	US-2019-0037386-A1	US	3/9/2018	1/31/2019
5489	METHODS OF PERFORMING COMMUNICATIONS MOBILE TERMINAL DEVICES AND BASEBAND MODEMS	15/758746	US-2019-0036738-A1	US	3/9/2018	1/31/2019
5490	FRAME STRUCTURE FOR UPLINK SCHEDULING	15/758933	US-2019-0045541-A1	US	3/9/2018	2/7/2019
5491	TRANSMISSION OF UPLINK CONTROL INFORMATION IN WIRELESS SYSTEMS	15/759034		US	3/9/2018	
5492	REFERENCE SIGNALS FOR INITIAL ACQUISITION IN 5G SYSTEMS	15/759070	US-2018-0309495-A1	US	3/9/2018	10/25/2018
5493	TIME GRID WITH TIME DIVISION DUPLEX SWITCHING INTERVALS	15/759745	US-2019-0052354-A1	US	3/13/2018	2/14/2019
5494	CONTENTION WINDOW SIZE ADAPTATION	15/760010	US-2018-0254858-A1	US	3/14/2018	9/6/2018
5495	DEVICE AND METHOD FOR MITIGATING LOWPASS FILTER GROUP DELAY	15/760450	US-2018-0262369-A1	US	3/15/2018	9/13/2018
5496	RECEIVER WITH TUNABLE RECEIVING CHAIN	15/760859		US	3/16/2018	
5497	TRANSMISSION OF UPLINK CONTROL INFORMATION IN WIRELESS SYSTEMS	15/760975	US-2018-0263021-A1	US	3/16/2018	9/13/2018
5498	SAS INTERFERENCE MITIGATION OPTIONS	15/761016	US-2018-0279316-A1	US	3/16/2018	9/27/2018
5499	SIGNALING METHODS FOR FLEXIBLE RADIO RESOURCE MANAGEMENT	15/761390	US-2018-0279388-A1	US	3/19/2018	9/27/2018
5500	SCHEDULING UPLINK TRANSMISSIONS FOR A USER EQUIPMENT (UE)	15/761397	US-2018-0270860-A1	US	3/19/2018	9/20/2018
5501	ENHANCED SELF-CONTAINED TIME-DIVISION DUPLEX SUBFRAME	15/762534		US	3/22/2018	

SCHEDULE A

No.	TITLE	Filing Number	Publication Number	Jurisdiction	Filing Date	Publication Date
	STRUCTURE					
5502	COMMUNICATION TERMINAL AND METHOD FOR TRANSMITTING A SIGNALING MESSAGE	15/762612	US-2018-0288824-A1	US	3/23/2018	10/4/2018
5503	ENHANCED RESOURCE MAPPING SCHEME	15/764294	US-2019-0068352-A1	US	3/28/2018	2/28/2019
5504	DISTINGUISHING SUBFRAMES IN A DOWNLINK TRANSMISSION BURST	15/764301	US-2018-0288715-A1	US	3/28/2018	10/4/2018
5505	DEVICES AND METHODS OF USING NETWORK FUNCTION VIRTUALIZATION AND VIRTUALIZED RESOURCES PERFORMANCE DATA TO IMPROVE PERFORMANCE	15/764469	US-2018-0262410-A1	US	3/29/2018	9/13/2018
5506	FLEXIBLE UNIVERSAL EXTENDED FRAME STRUCTURE	15/765240	US-2018-0254851-A1	US	3/30/2018	9/6/2018
5507	USER EQUIPMENT (UE) AND METHODS FOR REGISTRATION OF CIRCUIT-SWITCHED (CS) SERVICES IN MULTI-MODE OPERATION	15/765329	US-2018-0310190-A1	US	4/2/2018	10/25/2018
5508	ARCHITECTURE FOR WIRELESS NETWORK ACCESS	15/765540	US-2018-0310230-A1	US	4/3/2018	10/25/2018
5509	NETWORK INITIATED PACKET DATA NETWORK CONNECTION	15/765542	US-2018-0310350-A1	US	4/3/2018	10/25/2018
5510	DESIGN AND TRANSMISSION OF (E)PDCCH WITHIN PARTIAL SUBFRAME IN LICENSED ASSISTED ACCESS (LAA)	15/765764	US-2018-0295649-A1	US	4/4/2018	10/11/2018
5511	MULTIPLEXING TRANSMISSION TIME INTERVALS (TTIS) WITH PHYSICAL DOWNLINK SHARED CHANNEL (PDSCH) PUNCTURING DETECTION	15/765778	US-2018-0288745-A1	US	4/4/2018	10/4/2018
5512	BEARER-LESS ARCHITECTURE FOR A WIRELESS CELLULAR NETWORK	15/765998	US-2018-0288784-A1	US	4/4/2018	10/4/2018
5513	DUAL RADIO OPERATION BETWEEN ACCESS SYSTEMS USING 3GPP RADIO ACCESS TECHNOLOGY	15/766052	US-2018-0288657-A1	US	4/5/2018	10/4/2018
5514	USER PLANE RESOURCE ALLOCATION	15/766331	US-2018-0295659-A1	US	4/5/2018	10/11/2018
5515	DYNAMIC HARQ CONFIGURATION AND BITMAP BASED ACK/NACK	15/766466	US-2018-0294924-A1	US	4/6/2018	10/11/2018
5516	CONFIGURING DOWNLINK LISTEN-BEFORE-TALK PRIORITY CLASS FOR UPLINK GRANT TRANSMISSION IN LICENSED ASSISTED ACCESS	15/766556	US-2018-0288805-A1	US	4/6/2018	10/4/2018
5517	DYNAMICALLY BEAMFORMED CONTROL CHANNEL FOR BEAMFORMED CELLS	15/766561	US-2018-0294859-A1	US	4/6/2018	10/11/2018
5518	SYNCHRONIZATION SIGNAL DESIGN FOR NARROWBAND INTERNET OF THINGS COMMUNICATIONS	15/766772	US-2018-0295007-A1	US	4/6/2018	10/11/2018
5519	SYSTEM AND METHOD FOR BEAMED REFERENCE SIGNAL WITH HYBRID BEAM	15/767113	US-2019-0074890-A1	US	4/9/2018	3/7/2019
5520	INTRA-FREQUENCY AND INTER-FREQUENCY MEASUREMENT FOR NARROW BAND MACHINE-TYPE COMMUNICATION	15/767123	US-2019-0074918-A1	US	4/9/2018	3/7/2019

SCHEDULE A

No.	TITLE	Filing Number	Publication Number	Jurisdiction	Filing Date	Publication Date
5521	RESTORING VIRTUAL NETWORK FUNCTION (VNF) PERFORMANCE VIA VNF RESET OF LIFECYCLE MANAGEMENT	15/767203	US-2019-0073269-A1	US	4/10/2018	3/7/2019
5522	LISTEN BEFORE TALK FOR DISCOVERY REFERENCE SIGNAL TRANSMISSION IN UNLICENSED SPECTRUM	15/767219	US-2019-0075596-A1	US	4/10/2018	3/7/2019
5523	DOWNLINK DATA HANDLING FOR IDLE MODE UE WHEN THE SGW IS SPLIT INTO CONTROL PLANE NODE AND USER PLANE NODE	15/767562	US-2018-0302857-A1	US	4/11/2018	10/18/2018
5524	PARTIAL SUBFRAME TRANSMISSION IN LICENSED ASSISTED ACCESS	15/767812	US-2018-0302926-A1	US	4/12/2018	10/18/2018
5525	CHANNEL STATE INFORMATION (CSI) MEASUREMENTS AND CSI REPORTING IN LICENSED ASSISTED ACCESS (LAA)	15/767861	US-2018-0310193-A1	US	4/12/2018	10/25/2018
5526	SHORT TRANSMISSION TIME INTERVAL (TTI)	15/767993	US-2018-0302900-A1	US	4/12/2018	10/18/2018
5527	DISCOVERY REFERENCE SIGNALING FOR DYNAMICALLY-TIMED TRANSMISSIONS	15/770853	US-2018-0331774-A1	US	4/25/2018	11/15/2018
5528	DEVICES AND METHODS FOR ROBUST MEASUREMENT AND DATA RECEIVING	15/770948	US-2018-0309526-A1	US	4/25/2018	10/25/2018
5529	PERSONAL AREA NETWORK COMMUNICATION FOR WEARABLE DEVICES	15/771192	US-2018-0317070-A1	US	4/26/2018	11/1/2018
5530	SYNCHRONIZATION SIGNALS FOR LICENSE ASSISTED ACCESS	15/771868	US-2018-0316453-A1	US	4/27/2018	11/1/2018
5531	MECHANISMS FOR SINGLE FREQUENCY NETWORKS IN HIGH-SPEED MOBILE SCENARIOS	15/772473	US-2018-0316409-A1	US	4/30/2018	11/1/2018
5532	A Successive Joint Channel Estimation based Interference Cancellation Scheme against Colliding Interferences	15/775161	US-2018-0375689-A1	US	5/10/2018	12/27/2018
5533	MULTI-SUBFRAME UPLINK SCHEDULING IN UNLICENSED SPECTRUM	15/775745	US-2018-0352564-A1	US	5/11/2018	12/6/2018
5534	COMMUNICATION DEVICE AND METHOD FOR PERFORMING RADIO COMMUNICATION	15/775845	US-2018-0331878-A1	US	5/14/2018	11/15/2018
5535	APPARATUS FOR REDUCING A MAGNETIC COUPLING BETWEEN A FIRST ELECTRONIC CIRCUIT AND A SECOND ELECTRONIC CIRCUIT	15/776083	US-2018-0331769-A1	US	5/15/2018	11/15/2018
5536	COMMUNICATION TERMINAL AND METHOD FOR CHANNEL ESTIMATION	15/776098	US-2019-0074999-A1	US	5/15/2018	3/7/2019
5537	DEVICE AND METHOD FOR DEVICE TO DEVICE COMMUNICATION	15/776800	US-2018-0332491-A1	US	5/17/2018	11/15/2018
5538	RADIO COMMUNICATION DEVICE AND METHOD OF MOBILE RADIO CELL MEASUREMENT REPORTING	15/776801	US-2018-0332492-A1	US	5/17/2018	11/15/2018
5539	COMMUNICATION TERMINAL AND METHOD FOR PERFORMING A CELL SELECTION OR RESELECTION	15/776807	US-2018-0332521-A1	US	5/17/2018	11/15/2018
5540	EQUALIZER AND METHOD FOR EQUALIZING A RECEIVE SIGNAL	15/777537	US-2018-0337804-A1	US	5/18/2018	11/22/2018

SCHEDULE A

No.	TITLE	Filing Number	Publication Number	Jurisdiction	Filing Date	Publication Date
5541	NB-IOT SYNCHRONIZATION SIGNALS WITH OFFSET INFORMATION	15/777641	US-2018-0376405-A1	US	5/18/2018	12/27/2018
5542	DETERMINATION OF AN ADVANCED PHYSICAL UPLINK CHANNEL RESOURCE	15/781462		US	6/4/2018	
5543	APPARATUSES SYSTEMS AND METHODS FOR MEASURING QUALITY OF CELL DISCOVERY SIGNAL	15/789504	US-2018-0049114-A1	US		2/15/2018
5544	DEMODULATION REFERENCE SIGNAL (DMRS) SEQUENCE DESIGN FOR DEVICE-TO-DEVICE (D2D) DISCOVERY	15/791308	US-2018-0109938-A1	US		4/19/2018
5545	METHODS AND APPARATUS OF EVOLVED NODE B AND USER EQUIPMENT FOR CAPABILITY INFORMATION SETTING	15/804454		US		
5546	METHOD APPARATUS AND SYSTEM FOR MANAGING BEARERS IN A WIRELESS COMMUNICATION SYSTEM	15/804786	US-2018-0063861-A1	US		3/1/2018
5547	SYSTEMS METHODS AND DEVICES FOR TRAFFIC OFFLOADING	15/804870	US-2018-0132127-A1	US		5/10/2018
5548	DASH-AWARE NETWORK APPLICATION FUNCTION (D-NAF)	15/808748	US-2018-0069856-A1	US		3/8/2018
5549	SPECTRUM SHARING BASED ON SELF-ORGANIZING NETWORKS	15/810832	US-2018-0098305-A1	US		4/5/2018
5550	APPARATUSES AND METHODS FOR SHIFTING A DIGITAL SIGNAL BY A SHIFT TIME TO PROVIDE A SHIFTED SIGNAL	15/811851	US-2018-0167056-A1	US	11/14/2017	6/14/2018
5551	A CIRCUIT AND A METHOD FOR GENERATING A RADIO FREQUENCY SIGNAL	15/811860	US-2018-0234060-A1	US	11/14/2017	8/16/2018
5552	PREVENTING A MOBILE DEVICE FROM REPEATING A REQUEST TOWARD A MOBILE NETWORK	15/816472	US-2018-0092570-A1	US		4/5/2018
5553	SYSTEMS DEVICES AND METHODS FOR LONG TERM EVOLUTION AND WIRELESS LOCAL AREA INTERWORKING	15/820280	US-2018-0077622-A1	US		3/15/2018
5554	RADIO COMMUNICATION DEVICES AND METHODS FOR PERFORMING WIRELESS PEER-TO-PEER DISCOVERY	15/821870		US		
5555	METHODS IN SHORT RANGE RADIO COMMUNICATION MASTER SUBSYSTEMS MOBILE DEVICES AND MULTI-MODE RADIO COMMUNICATION SYSTEMS	15/821872		US		
5556	SYSTEMS DEVICES AND METHODS FOR INTERWORKING BETWEEN A UNIVERSAL MOBILE TELECOMMUNICATIONS SYSTEM (UMTS) NETWORK AND A WIRELESS LOCAL AREA NETWORK (WLAN)	15/822368	US-2018-0077623-A1	US		3/15/2018
5557	USER EQUIPMENT AND METHOD FOR PACKET BASED DEVICE-TO-DEVICE (D2D) DISCOVERY IN AN LTE NETWORK	15/823753	US-2018-0084398-A1	US		3/22/2018

SCHEDULE A

No.	TITLE	Filing Number	Publication Number	Jurisdiction	Filing Date	Publication Date
5558	ENHANCED NODE B UE AND METHOD FOR SELECTING CELL DISCOVERY SIGNALS IN LTE NETWORKS	15/824121	US-2018-0084488-A1	US		3/22/2018
5559	COMMUNICATION DEVICE AND METHOD FOR PERFORMING RADIO COMMUNICATION	15/825142		US		
5560	PRIORITIZED CELL IDENTIFICATION AND MEASUREMENT METHOD	15/827221	US-2018-0091996-A1	US		3/29/2018
5561	RADIO-FREQUENCY TRANSMITTER AND AMPLIFIER	15/830519		US		
5562	MEASUREMENT GAP REPETITION PATTERNS FOR INTER-FREQUENCY OFFLOADING IN HETEROGENEOUS WIRELESS NETWORKS	15/835173	US-2018-0227785-A1	US		8/9/2018
5563	COVERAGE EXTENSION LEVEL FOR COVERAGE LIMITED DEVICE	15/842528	US-2018-0184306-A1	US		6/28/2018
5564	POWER SAVING TECHNIQUE FOR DIGITAL TO TIME CONVERTERS	15/845385		US		
5565	USER EQUIPMENT AND PROTOCOL AND METHODS FOR DEVICE-TO-DEVICE COMMUNICATION	15/858429	US-2018-0192309-A1	US		7/5/2018
5566	SIGNALING EXTENDED EARFCN AND E-UTRA BANDS IN UMTS NETWORKS	15/862181	US-2018-0199352-A1	US		7/12/2018
5567	APPARATUS SYSTEM AND METHOD OF ACCESS NETWORK DISCOVERY AND SELECTION FUNCTION (ANDSF) FOR TRAFFIC OFFLOADING	15/864352	US-2018-0132154-A1	US		5/10/2018
5568	OPPORTUNISTIC SIGNAL TRANSMISSION FOR INTER-RAT CO-EXISTENCE	15/864824	US-2018-0317094-A1	US		11/1/2018
5569	PUCCH RESOURCE COMPRESSION FOR EPDCCH IN TDD MODE	15/867069	US-2018-0132233-A1	US		5/10/2018
5570	TECHNIQUES FOR COMMUNICATION BETWEEN SERVICE CAPABILITY SERVER AND INTERWORKING FUNCTION FOR DEVICE TRIGGER RECALL/REPLACE	15/872863	US-2018-0205796-A1	US		7/19/2018
5571	RANDOM ACCESS PROCEDURE FOR ENHANCED COVERAGE SUPPORT	15/881082	US-2018-0152968-A1	US		5/31/2018
5572	AT COMMAND FOR SECURE ESM INFORMATION	15/884549	US-2018-0152844-A1	US		5/31/2018
5573	TECHNIQUES FOR MONITORING VIRTUALIZED NETWORK FUNCTIONS OR NETWORK FUNCTIONS VIRTUALIZATION INFRASTRUCTURE	15/887915	US-2018-0183692-A1	US		6/28/2018
5574	COMMUNICATION OF SECURITY KEY INFORMATION	15/893212	US-2018-0167963-A1	US		6/14/2018
5575	SYSTEMS AND METHODS FOR SIGNALING IN AN INCREASED CARRIER MONITORING WIRELESS COMMUNICATION ENVIRONMENT	15/902845	US-2018-0183562-A1	US		6/28/2018
5576	ENHANCED NODE B AND METHOD FOR RRC CONNECTION ESTABLISHMENT FOR SMALL DATA TRANSFERS	15/905346		US		
5577	DOWNLINK CONTROL INFORMATION (DCI) DESIGN FOR LTE DEVICES	15/914813		US		

SCHEDULE A

No.	TITLE	Filing Number	Publication Number	Jurisdiction	Filing Date	Publication Date
5578	MULTI-HARMONIC MATCHING NETWORKS	15/926360	US-2018-0241368-A1	US		8/23/2018
5579	SYSTEM AND METHOD OF HANDLING UPLINK TRANSMISSION COLLISION FOR ENHANCED COVERAGE MODE UES	15/933646		US		
5580	USER EQUIPMENT AND METHODS FOR OPERATION IN COVERAGE ENHANCEMENT MODE WITH PHYSICAL RANDOM ACCESS CHANNEL PREAMBLE	15/935402	US-2018-0213418-A1	US		7/26/2018
5581	CIRCUIT AND A METHOD FOR OPERATING A CIRCUIT	15/937906	US-2019-0305732-A1	US		10/3/2019
5582	METHODS AND DEVICES FOR RADIO RESOURCE ALLOCATION	15/937943	US-2019-0305903-A1	US		10/3/2019
5583	SYSTEMS AND METHODS FOR ACCESS NETWORK SELECTION AND TRAFFIC ROUTING	15/941467	US-2018-0227738-A1	US		8/9/2018
5584	RESOURCE ALLOCATION FOR D2D DISCOVERY IN AN LTE NETWORK	15/942974	US-2018-0227932-A1	US		8/9/2018
5585	UE-BASED D2D DISCOVERY	15/947323	US-2018-0234829-A1	US		8/16/2018
5586	APPARATUS AND METHOD FOR DETERMINING A DISTANCE TO AN OBJECT	15/951202	US-2018-0341000-A1	US		11/29/2018
5587	TRANSMISSION OF UPLINK CONTROL INFORMATION IN WIRELESS SYSTEMS	15/963482	US-2018-0249458-A1	US		8/30/2018
5588	COORDINATION OF CAPACITY AND COVERAGE OPTIMIZATION OF SELF-ORGANIZING NETWORKS	15/977780	US-2018-0263016-A1	US		9/13/2018
5589	ADAPTIVE PAGING TECHNIQUES FOR EXTENDED COVERAGE-CAPABLE DEVICES	15/979013	US-2018-0263015-A1	US		9/13/2018
5590	METHOD APPARATUS AND COMPUTER READABLE MEDIUM FOR SWITCHING BETWEEN LOWER ENERGY AND HIGHER ENERGY WIRELESS COMMUNICATION TECHNIQUES	15/981135	US-2018-0359625-A1	US		12/13/2018
5591	USER EQUIPMENT AND METHODS OF BEARER OPERATION FOR CARRIER AGGREGATION	15/994154	US-2018-0317237-A1	US		11/1/2018
5592	RADIO LINK FAILURE HANDLING FOR DUAL CONNECTIVITY	16/003019	US-2018-0288778-A1	US		10/4/2018
5593	CODEBOOK FOR FULL-DIMENSION MULTIPLE INPUT MULTIPLE OUTPUT COMMUNICATIONS	16/031438	US-2018-0351607-A1	US		12/6/2018
5594	DYNAMICAL TIME DIVISION DUPLEX UPLINK AND DOWNLINK CONFIGURATION IN A COMMUNICATIONS NETWORK	16/034177	US-2018-0338313-A1	US		11/22/2018
5595	TECHNIQUES FOR DATA COMPRESSION	16/037241	US-2019-0238163-A1	US		8/1/2019
5596	PUCCH RESOURCE COMPRESSION FOR EPDCCH IN TDD MODE	16/037752	US-2018-0343648-A1	US		11/29/2018

SCHEDULE A

No.	TITLE	Filing Number	Publication Number	Jurisdiction	Filing Date	Publication Date
5597	SCRAMBLING SEQUENCE INITIAL SEED CONFIGURATION FOR REFERENCE SIGNALS DATA AND CONTROL CHANNEL FOR NEW RADIO	16/055964	US-2019-0044669-A1	US		2/7/2019
5598	HANDOVER FOR UNMANNED AERIAL VEHICLES	16/057079	US-2019-0045406-A1	US		2/7/2019
5599	TRANSMITTER AND RECEIVER FOR MASTER INFORMATION BLOCK OVER PHYSICAL BROADCAST CHANNEL	16/060401	US-2019-0007896-A1	US	6/7/2018	1/3/2019
5600	TECHNIQUES FOR INSTANTIATION AND TERMINATION OF VIRTUALIZED NETWORK FUNCTIONS	16/060910	US-2018-0367372-A1	US	6/8/2018	12/20/2018
5601	PERFORMANCE MONITORING TECHNIQUES FOR VIRTUALIZED RESOURCES	16/060912	US-2018-0367373-A1	US	6/8/2018	12/20/2018
5602	DOWNLINK HYBRID AUTOMATIC REPEAT REQUEST FEEDBACK FOR NARROWBAND INTERNET OF THINGS DEVICES	16/060916	US-2018-0367278-A1	US	6/8/2018	12/20/2018
5603	NETWORK SLICE SELECTION IN NETWORK SYSTEMS	16/063048	US-2018-0368060-A1	US	6/15/2018	12/20/2018
5604	MULTIBAND DATA DELIVERY DEVICE AND METHOD	16/064056	US-2018-0376374-A1	US	6/20/2018	12/27/2018
5605	SYSTEM AND METHOD FOR SYSTEM INFORMATION TRANSMISSION IN STAND-ALONE MMWAVE SYSTEMS	16/065068	US-2019-0013842-A1	US	6/21/2018	1/10/2019
5606	DETERMINATION CIRCUIT AND APPARATUS MOBILE TRANSCEIVER COMMUNICATION DEVICE METHOD FOR DETERMINING COMPUTER PROGRAM AND STORAGE TO DETERMINE A SPATIAL TRANSMISSION MODE	16/066343	US-2019-0115657-A1	US	6/27/2018	4/18/2019
5607	RATE MATCHING USING LOW-DENSITY PARITY-CHECK CODES	16/066655	US-2019-0013901-A1	US	6/27/2018	1/10/2019
5608	PHYSICAL LAYER PROTOCOL AND SUBFRAME STRUCTURE FOR WEARABLE USER EQUIPMENT DEVICES	16/067669	US-2019-0021053-A1	US	7/2/2018	1/17/2019
5609	DYNAMIC RESOURCE ALLOCATIONS AND TRANSMISSION SCHEMES FOR XPUCCH (5G PUCCH)	16/067677	US-2019-0013908-A1	US	7/2/2018	1/10/2019
5610	SYSTEMS METHODS AND DEVICES FOR UPLINK BEARER SPLIT USING WIRELESS LOCAL AREA NETWORK AGGREGATION	16/067685	US-2019-0021026-A1	US	7/2/2018	1/17/2019
5611	SYSTEM AND METHOD FOR CONTROL CHANNEL BEAM ASSUMPTION	16/067806	US-2019-0028176-A1	US	7/2/2018	1/24/2019
5612	METHOD APPARATUS AND SYSTEM FOR BEAM ACQUISITION IN A WIRELESS SYSTEM	16/068110	US-2019-0028173-A1	US	7/4/2018	1/24/2019
5613	SPREADING OPTIONS FOR NON-ORTHOGONAL MULTIPLE ACCESS	16/068754	US-2019-0029031-A1	US	7/9/2018	1/24/2019
5614	APPARATUS AND METHOD FOR IOT CONTROL CHANNEL	16/068882	US-2019-0029005-A1	US	7/9/2018	1/24/2019

SCHEDULE A

No.	TITLE	Filing Number	Publication Number	Jurisdiction	Filing Date	Publication Date
5615	5G FDD LOW LATENCY TRANSMISSION SUBFRAME STRUCTURE SYSTEM AND METHOD OF USE	16/069819	US-2019-0037640-A1	US	7/12/2018	1/31/2019
5616	CROSS TRANSMISSION OPPORTUNITY (TXOP) SCHEDULING	16/069853	US-2019-0021105-A1	US	7/12/2018	1/17/2019
5617	CONTROL SIGNALING FOR FIFTH GENERATION CHANNEL STATE INFORMATION REFERENCE SIGNALS (XCSI-RS)	16/070916	US-2019-0029071-A1	US	7/18/2018	1/24/2019
5618	METHODS AND DEVICES FOR MANAGING PACKET DATA NETWORK CONNECTIONS	16/071077		US	7/19/2018	
5619	SCHEDULING REQUEST FOR STANDALONE DEPLOYMENT OF A SYSTEM USING BEAMFORMING	16/071439		US	7/19/2018	
5620	PHYSICAL UPLINK CONTROL CHANNEL PROCEDURES	16/071839		US	7/20/2018	
5621	INTERLACES ALLOCATION AND INDICATION	16/072132	US-2019-0068347-A1	US	7/23/2018	2/28/2019
5622	CHANNEL CODING AND INTERLEAVING FOR CONTROL AND USER DATA IN THE PHYSICAL UPLINK SHARED CHANNEL	16/072981	US-2019-0036586-A1	US	7/26/2018	1/31/2019
5623	CSI FEEDBACK FOR OPEN LOOP FD-MIMO TRANSMISSION	16/073298	US-2019-0036574-A1	US	7/26/2018	1/31/2019
5624	DUAL BEAM OPERATION FOR MOBILITY	16/073303	US-2019-0052317-A1	US	7/26/2018	2/14/2019
5625	CELLULAR IOT CONTROL AND USER PLANE SWITCHING	16/073997	US-2019-0045561-A1	US	7/30/2018	2/7/2019
5626	SYSTEM AND METHOD FOR BEAM INFORMATION AND CSI REPORT	16/076666	US-2019-0053220-A1	US	8/8/2018	2/14/2019
5627	APPARATUSES AND METHODS FOR COMPENSATING PHASE FLUCTUATIONS	16/076710	US-2019-0052452-A1	US	8/9/2018	2/14/2019
5628	SYSTEM AND METHOD FOR CHANNEL QUALITY REPORTING	16/077018	US-2019-0036584-A1	US	8/9/2018	1/31/2019
5629	SYSTEMS METHODS AND DEVICES FOR REDUCED HANDOVER DATA INTERRUPTION	16/077455	US-2019-0075498-A1	US	8/11/2018	3/7/2019
5630	Transceiver transmitter receiver and method for determining a minimum supply voltage for receivers and transmitters	16/078667	US-2019-0090196-A1	US	8/22/2018	3/21/2019
5631	RADIO LINK FAILURE HANDLING IN HIGH-FREQUENCY BAND NETWORKS	16/078792	US-2019-0053315-A1	US	8/22/2018	2/14/2019
5632	USER EQUIPMENT (UE) AND METHOD OF SIDELINK DATA COMMUNICATION IN FIFTH GENERATION (5G) NEW RADIO (NR) THINGS NETWORKS	16/078999	US-2019-0090220-A1	US	8/22/2018	3/21/2019
5633	DEVICE AND METHOD OF USING BRRS CONFIGURATION	16/079034	US-2019-0044601-A1	US	8/22/2018	2/7/2019
5634	DMRS FOR 5G THINGS COMMUNICATION SYSTEM	16/079470	US-2019-0052442-A1	US	8/23/2018	2/14/2019
5635	RANDOM-ACCESS AND SCHEDULING-REQUEST IN NEW RADIO-THINGS SIDELINK	16/079617	US-2019-0058551-A1	US	8/24/2018	2/21/2019

SCHEDULE A

No.	TITLE	Filing Number	Publication Number	Jurisdiction	Filing Date	Publication Date
5636	DISCOVERY AND NETWORK ACCESS PROCEDURES FOR 5G THINGS COMMUNICATION SYSTEM	16/079756	US-2019-0357123-A1	US	8/24/2018	11/21/2019
5637	DEVICE AND METHOD FOR SYNCHRONOUS BEAM SWITCHING	16/079805	US-2019-0052331-A1	US	8/24/2018	2/14/2019
5638	ENABLING A SECONDARY CELL IN A MASSIVE MIMO SYSTEM	16/080580	US-2019-0028150-A1	US	8/28/2018	1/24/2019
5639	COMMUNICATION DEVICE AND METHOD FOR TRANSMITTING DATA	16/080697	US-2019-0089572-A1	US	8/29/2018	3/21/2019
5640	CSI (CHANNEL STATE INFORMATION) ENHANCEMENTS FOR FD (FULL DIMENSION)-MIMO (MULTIPLE INPUT MULTIPLE OUTPUT)	16/081172	US-2019-0068266-A1	US	8/30/2018	2/28/2019
5641	BEAMFORMING ARCHITECTURE FOR MULTI-BEAM MULTIPLE-INPUT-MULTIPLE-OUTPUT (MIMO)	16/081470	US-2019-0260457-A1	US	8/31/2018	8/22/2019
5642	BEAM MANAGEMENT FOR DUAL TRANSMISSION POINT HYBRID BEAMFORMING SYSTEMS IN 5G	16/081787	US-2019-0089435-A1	US	8/31/2018	3/21/2019
5643	A MULTIPLE BEAM MULTIPLE-INPUT-MULTIPLE-OUTPUT SYSTEM	16/082365	US-2019-0081672-A1	US	9/5/2018	3/14/2019
5644	BEAMFORMED PHYSICAL DOWNLINK CONTROL CHANNEL	16/083141		US	9/7/2018	
5645	FRAME STRUCTURES FOR BEAM SWITCHING AND REFINEMENT IN CELLULAR SYSTEMS	16/084505	US-2019-0089446-A1	US	9/12/2018	3/21/2019
5646	FREQUENCY TRACKING FOR BEAMFORMED SYSTEMS	16/085124		US	9/14/2018	
5647	LOW LATENCY PHYSICAL RANDOM ACCESS CHANNEL DESIGN	16/085532		US	9/14/2018	
5648	SCHEDULING REQUEST TRANSMISSIONS IN THE UNLICENSED SPECTRUM	16/092651	US-2019-0132860-A1	US	10/10/2018	5/2/2019
5649	SYSTEMS METHODS AND DEVICES FOR NON-ADAPTIVE RETRANSMISSION USING SEMI-PERSISTENT SCHEDULING RESOURCES	16/093093	US-2019-0215907-A1	US	10/11/2018	7/11/2019
5650	INCREASE OF SPECTRAL CAPACITY OF EMBMS-CELL WHEN DEPLOYED AS A SUPPLEMENTARY DOWNLINK CARRIER	16/093242	US-2019-0090103-A1	US	10/12/2018	3/21/2019
5651	APPARATUSES TO AUTHORIZE AND ENABLE/DISABLE ENHANCED COVERAGE FUNCTIONALITY	16/093912	US-2019-0110241-A1	US	10/15/2018	4/11/2019
5652	METHODS AND TRANSCEIVERS FOR REDUCING A DISTORTION COMPONENT WITHIN A BASEBAND RECEIVE SIGNAL	16/095761		US	10/23/2018	
5653	PRE-DISTORTION CIRCUIT APPARATUS METHOD AND COMPUTERPROGRAM FOR PRE-DISTORTING TRANSMITTER RADIOTRANSCEIVER MOBILE TRANSCEIVER BASE STATIONTRANSCEIVER COMMUNICATION DEVICE STORAGE	16/095977		US	10/24/2018	

SCHEDULE A

No.	TITLE	Filing Number	Publication Number	Jurisdiction	Filing Date	Publication Date
5654	EXTENDED PHYSICAL BROADCAST CHANNEL DESIGN FOR 5G STANDALONE SYSTEM	16/099629	US-2019-0149276-A1	US	11/7/2018	5/16/2019
5655	SPLIT PRECODING AND SPLIT PREFILTERING BETWEEN A CENTRAL UNIT AND A DISTRIBUTED UNIT OF A GENERATION NODE-B (GNB)	16/100773	US-2019-0044580-A1	US		2/7/2019
5656	SYSTEMS AND METHODS FOR SIGNALING IN AN INCREASED CARRIER MONITORING WIRELESS COMMUNICATION ENVIRONMENT	16/103773	US-2019-0007184-A1	US		1/3/2019
5657	USER EQUIPMENT MEASUREMENTS FOR NEW RADIO	16/107475	US-2019-0044602-A1	US		2/7/2019
5658	METHODS APPARATUS OF ENB AND UE FOR MTC WITH NARROWBAND DEPLOYMENT	16/111634		US		
5659	CONFIGURATION SCHEMES FOR SECONDARY CELL BANDWIDTH PART AND PHYSICAL RESOURCE BLOCK INDEXING	16/123722	US-2019-0044811-A1	US		2/7/2019
5660	SYSTEM AND METHOD FOR PUCCH TRANSMISSION SCHEME	16/125506	US-2019-0149379-A1	US		5/16/2019
5661	CONNECTION POINT RELATED PERFORMANCE MEASUREMENTS IN A NETWORK FUNCTION VIRTUALIZATION ENVIRONMENT	16/126162	US-2019-0044838-A1	US		2/7/2019
5662	HYBRID AUTOMATIC REPEAT REQUEST (HARQ) BASED ON CODEBLOCK GROUPS IN NEW RADIO SYSTEMS	16/126187	US-2019-0045489-A1	US		2/7/2019
5663	Downlink Control Channel Design in New Radio Systems	16/126260	US-2019-0045490-A1	US		2/7/2019
5664	ENHANCEMENT OF PERFORMANCE OF ULTRA-RELIABLE LOW-LATENCY COMMUNICATION	16/126472	US-2019-0045533-A1	US		2/7/2019
5665	Scheduling Request Transmission Opportunity and Resource Configuration in New Radio	16/126556	US-2019-0045529-A1	US		2/7/2019
5666	METHOD AND APPARATUS FOR CHANNEL CODING IN THE FIFTH GENERATION NEW RADIO SYSTEM	16/126776	US-2019-0097756-A1	US		3/28/2019
5667	POWER BOOSTING AND TRANSPORT BLOCK SIZE (TBS) DESIGN IN A NEW RADIO (NR) SYSTEM	16/126999	US-2019-0045390-A1	US		2/7/2019
5668	INITIALIZATION OF PSEUDO NOISE SEQUENCES FOR REFERENCE SIGNALS AND DATA SCRAMBLING	16/127829	US-2019-0044761-A1	US		2/7/2019
5669	SYSTEM AND METHOD FOR UPLINK POWER CONTRL FRAMEWORK	16/127887	US-2019-0044681-A1	US		2/7/2019
5670	TECHNIQUES FOR NR CELL/BREAM IDENTIFICATION	16/127942	US-2019-0045559-A1	US		2/7/2019
5671	APPARATUS AND METHOD FOR RSRP MEASUREMENT AND ALLOCATION OF DOWNLINK TRANSMISSION RESOURCES	16/128111	US-2019-0044631-A1	US		2/7/2019
5672	DESIGN OF CSI MEASUREMENT AND FEEDBACK FOR EMTC-U SYSTEM	16/133208	US-2019-0044598-A1	US		2/7/2019

SCHEDULE A

No.	TITLE	Filing Number	Publication Number	Jurisdiction	Filing Date	Publication Date
5673	DESIGN FOR A UE SPECIFIC SEARCH SPACE AND A COMMON SEARCH SPACE IN A WIDE COVERAGE ENHANCEMENT	16/133360	US-2019-0104503-A1	US		4/4/2019
5674	CHANNEL WHITELIST AND FLEXIBLE FRAME DESIGN FOR ENHANCED MACHINE-TYPE COMMUNICATIONS SYSTEMS IN UNLICENSED SPECTRUM	16/134124	US-2019-0044810-A1	US		2/7/2019
5675	TRAJECTORY MODIFICATION TECHNIQUE FOR POLAR TRANSMITTER	16/134210	US-2019-0260404-A1	US		8/22/2019
5676	UE (User Equipment) Assisted Measurement Gap in NR (New Radio)	16/136813	US-2019-0097877-A1	US		3/28/2019
5677	POWER HEADROOM OF GRANTLESS UPLINK	16/139443	US-2019-0045459-A1	US		2/7/2019
5678	Feed-Forward Envelope Tracking	16/140991	US-2019-0036486-A1	US		1/31/2019
5679	DESIGN OF EARLY DATA TRANSMISSION IN WIRELESS COMMUNICATION SYSTEM	16/141202	US-2019-0045554-A1	US		2/7/2019
5680	SYSTEMS METHODS AND APPARATUSES FOR PROVIDING AND OBTAINING SCHEDULING INFORMATION FOR SIB1-BR DURING HANDOVER	16/142115	US-2019-0045419-A1	US		2/7/2019
5681	Activation of Secondary Cell containing Bandwidth Parts	16/142488	US-2019-0045491-A1	US		2/7/2019
5682	SIGNAL IMBALANCE DETECTION SYSTEMS AND METHODS	16/144092		US		
5683	Bandwidth Part Signaling and Measurement Handling	16/146009	US-2019-0044689-A1	US		2/7/2019
5684	DESIGN OF SYNCHRONIZATION SIGNAL BLOCK FOR UNLICENSED CARRIER AND LISTEN BEFORE TALK STRATEGIES FOR INITIAL ACCESS	16/148352	US-2019-0053177-A1	US		2/14/2019
5685	TECHNIQUES IN NEW RADIO (NR) USER EQUIPMENT (UE) DEMODULATION OVER THE AIR (OTA) TESTS	16/148905	US-2019-0052376-A1	US		2/14/2019
5686	DYNAMIC CONFIGURATION OF UPLINK (UL) AND DOWNLINK (DL) FRAME RESOURCES FOR A TIME DIVISION DUPLEX (TDD) TRANSMISSION	16/148990	US-2019-0059095-A1	US		2/21/2019
5687	EVOLVED NODE-B (ENB) FOR MANAGEMENT OF LONG TERM EVOLUTION (LTE) WIRELESS LOCAL AREA NETWORK (WLAN) AGGREGATION (LWA) AND LTE WLAN INTERNET PROTOCOL (LWIP)	16/151018	US-2019-0045560-A1	US		2/7/2019
5688	TRANSMISSION OF PHYSICAL BROADCAST CHANNEL (PBCH) CONTENTS	16/153584	US-2019-0053093-A1	US		2/14/2019
5689	FRAMEWORK FOR COMMUNICATIONS IN UNLICENSED NARROW BAND INTERNET OF THINGS (NB-IOT) SYSTEM	16/157442	US-2019-0045372-A1	US		2/7/2019

SCHEDULE A

No.	TITLE	Filing Number	Publication Number	Jurisdiction	Filing Date	Publication Date
5690	DEVICE REQUESTED PROTOCOL DATA UNIT SESSION MODIFICATION IN THE 5G SYSTEM	16/158486	US-2019-0116518-A1	US		4/18/2019
5691	RADIO LINK MONITORING (RLM) EVALUATION MECHANISM FOR NEW RADIO (NR) SYSTEMS	16/158767	US-2019-0052380-A1	US		2/14/2019
5692	MULTI-CARRIER OPERATION FOR ENHANCED MACHINE TYPE COMMUNICATIONS IN UNLICENSED MEDIUM (EMTC-U)	16/160650	US-2019-0053064-A1	US		2/14/2019
5693	FILTER COEFFICIENT CONFIGURATION IN NEW RADIO SYSTEMS	16/162541	US-2019-0058508-A1	US		2/21/2019
5694	POWER HEADROOM REPORTING WITH DUAL CONNECTIVITY	16/162972		US		
5695	DESIGN OF FREQUENCY HOPPING PATTERN FOR UNLICENSED INTERNET-OF-THINGS SYSTEM	16/163160	US-2019-0052308-A1	US		2/14/2019
5696	RACH PROCEDURE AND CONFIGURATION FOR UNLICENSED EMTC SYSTEM	16/163191	US-2019-0116618-A1	US		4/18/2019
5697	APPARATUSES FOR SELECTING COMMUNICATION BEAMS BASED ON NORMALIZED TIME OF ARRIVAL (TOA) OF REFERENCE SIGNALS	16/163379	US-2019-0053234-A1	US		2/14/2019
5698	UPLINK CONTROL SIGNALING FOR GRANT-FREE UPLINK TRANSMISSION	16/163785	US-2019-0053226-A1	US		2/14/2019
5699	BEAM FAILURE RECOVERY OPERATION	16/166521	US-2019-0058519-A1	US		2/21/2019
5700	CONTROL RESOURCE SET INFORMATION IN PHYSICAL BROADCAST CHANNEL	16/171998	US-2019-0069322-A1	US		2/28/2019
5701	CHANNEL STATE INFORMATION REPORT FOR PHASE TRACKING REFERENCE SIGNAL PORT SELECTION	16/172602	US-2019-0068268-A1	US		2/28/2019
5702	SYSTEMS METHODS AND DEVICES FOR USING S-MEASURE WITH NEW RADIO	16/173586	US-2019-0074887-A1	US		3/7/2019
5703	QUALITY OF EXPERIENCE AWARE MULTIMEDIA ADAPTIVE STREAMING	16/174128	US-2019-0075446-A1	US		3/7/2019
5704	Dual Connectivity Techniques for NR (New Radio)	16/179421	US-2019-0090151-A1	US		3/21/2019
5705	METHODS OF LIMITED BUFFER RATE-MATCHING (LBRM) PRE-EMPTION AND SIDELINK SYNCHRONIZATION IN NEW RADIO (NR) SYSTEMS	16/181808	US-2019-0141647-A1	US		5/9/2019
5706	TRANSPORT NETWORK LAYER ASSOCIATIONS ON THE F1 INTERFACE	16/182019	US-2019-0075023-A1	US		3/7/2019
5707	SIGNALING FOR RESOURCE ALLOCATION AND SCHEDULING IN 5G-NR INTEGRATED ACCESS AND BACKHAUL	16/189157	US-2019-0222281-A1	US		7/18/2019
5708	FLEXIBLE FLOW CONTROL MECHANISM FOR NG-RAN INTERFACES	16/191760	US-2019-0150224-A1	US		5/16/2019
5709	EARLY TERMINATION OF REPEATED TRANSMISSIONS FOR MTC	16/192271		US		
5710	RF TRANSMIT ARCHITECTURE	16/193431	US-2019-0327118-	US		10/24/2019

SCHEDULE A

No.	TITLE	Filing Number	Publication Number	Jurisdiction	Filing Date	Publication Date
	METHODS		A1			
5711	SINGLE REGISTRATION MODE SUPPORT FOR INTERWORKING BETWEEN 5GC AND EPC	16/195147	US-2019-0159157-A1	US		5/23/2019
5712	SECURITY KEY REFRESH FOR DUAL CONNECTIVITY	16/197118	US-2019-0089425-A1	US		3/21/2019
5713	DETERMINING RESOURCES FOR UPLINK CONTROL INFORMATION ON PHYSICAL UPLINK SHARED CHANNEL AND PHYSICAL UPLINK CONTROL CHANNEL WITH FREQUENCY HOPPING	16/213919	US-2019-0116588-A1	US		4/18/2019
5714	APPARATUS FOR CORRECTING LINEARITY OF A DIGITAL-TO-ANALOG CONVERTER	16/218334	US-2019-0123751-A1	US		4/25/2019
5715	INCREASED CARRIER MONITORING	16/222904	US-2019-0141469-A1	US		5/9/2019
5716	PHASE TRACKING REFERENCE SIGNAL (PT-RS) POWER BOOSTING	16/238232	US-2019-0140729-A1	US		5/9/2019
5717	APPARATUS AND METHOD OF LWA AND LWIP CONFIGURATION PERFORMANCE AND FAULT MANAGEMENT	16/240322	US-2019-0141785-A1	US		5/9/2019
5718	BEAM MANAGEMENT FOR CARRIER AGGREGATION (CA)	16/242821	US-2019-0239245-A1	US		8/1/2019
5719	POWER HEADROOM REPORTING WITH CHANNEL SELECTION	16/243856	US-2019-0349869-A1	US		11/14/2019
5720	NEXT GENERATION NODE-B (GNB) AND METHODS TO INDICATE A TYPE OF ACCESS FOR PAGING OF A USER EQUIPMENT (UE)	16/245089	US-2019-0191409-A1	US		6/20/2019
5721	BEAM INDICATION CONSIDERING BEAM FAILURE RECOVERY IN NEW RADIO	16/245970	US-2019-0239212-A1	US		8/1/2019
5722	CSI-RS SEQUENCE GENERATION AND MAPPING AND DMRS SCRAMBLING ID CONFIGURATION	16/247171	US-2019-0149294-A1	US		5/16/2019
5723	Transmission Downlink Control Information for New Radio (NR) System	16/247187	US-2019-0223160-A1	US		7/18/2019
5724	CHANNEL CONFIGURATION AND DLUL CONFIGURATION FOR NB-IOT-U SYSTEM	16/267810	US-2019-0174476-A1	US		6/6/2019
5725	APPARATUS FOR OVERLOAD RECOVERY OF AN INTEGRATOR IN A SIGMA-DELTA MODULATOR	16/271727	US-2019-0173485-A1	US		6/6/2019
5726	METHODS TO HANDLE SCHEDULING REQUESTS FOR ULTRA-RELIABLE LOW LATENCY COMMUNICATION (URLLC) IN NEW RADIO (NR) SYSTEMS	16/273802	US-2019-0182896-A1	US		6/13/2019
5727	PUCCH AND PUSCH DEFAULT BEAM CONSIDERING BEAM FAILURE RECOVERY	16/298418	US-2019-0230730-A1	US		7/25/2019
5728	Conformally Shielded Power Inductor and Other Passive Devices for 4/5G Envelope Tracker Modules and/or Other Power Management Modules	16/299601	US-2019-0297757-A1	US		9/26/2019

SCHEDULE A

No.	TITLE	Filing Number	Publication Number	Jurisdiction	Filing Date	Publication Date
5729	END-TO-END TECHNIQUES TO CREATE PM (PERFORMANCE MEASUREMENT) THRESHOLDS AT NFV (NETWORK FUNCTION VIRTUALIZATION) INFRASTRUCTURE	16/303298	US-2019-0215235-A1	US	11/20/2018	7/11/2019
5730	UPLINK SOUNDING REFERENCE SIGNAL (SRS) TRANSMISSION IN CARRIER AGGREGATION SYSTEM	16/303759		US	11/21/2018	
5731	COMMUNICATION DEVICE AND A METHOD FOR OPERATING A COMMUNICATION DEVICE	16/305067	US-2019-0357176-A1	US	11/28/2018	11/21/2019
5732	APPARATUS SYSTEM AND METHOD OF INTERNET CONNECTIVITY VIA A RELAY STATION	16/305190		US	11/28/2018	
5733	COMMUNICATION DEVICE AND METHOD FOR SELECTING A BEAM DIRECTION	16/305916		US	11/30/2018	
5734	DYNAMIC OFFLOADING OF V2X SERVICES TO DSRC	16/306501	US-2019-0174344-A1	US	11/30/2018	6/6/2019
5735	TESTING OF USER EQUIPMENTS FOR IDLE PERIODS DISTRIBUTION	16/307346	US-2019-0141553-A1	US	12/5/2018	5/9/2019
5736	SAS CONTROLLED INTERFERENCE MANAGEMENT	16/308172	US-2019-0222339-A1	US	12/7/2018	7/18/2019
5737	CHANNEL STATE AND BEAM RELATED INFORMATION REPORTING	16/309856	US-2019-0173622-A1	US	12/13/2018	6/6/2019
5738	DEVICE FOR AND METHOD OF RADIO ACCESS TECHNOLOGY SELECTION AMONG MULTIPLE RADIO ACCESS TECHNOLOGIES	16/310407	US-2019-0150082-A1	US	12/14/2018	5/16/2019
5739	RRC COORDINATION BETWEEN A PLURALITY OF NODES	16/316489	US-2019-0297662-A1	US	1/9/2019	9/26/2019
5740	INDOOR POSITIONING ENHANCEMENTS	16/316494	US-2019-0297595-A1	US	1/9/2019	9/26/2019
5741	SUPPORT OF SC-PTM BASED MULTICASTING FOR BL/CE AND NB-IoT UEs	16/316771	US-2019-0246254-A1	US	1/10/2019	8/8/2019
5742	SYSTEMS AND METHOD FOR SELECTING CARRIER RESOURCES FOR NAROWBAND PHYSICAL RANDOM ACCESS CHANNEL PROCEDURES	16/316842		US	1/10/2019	
5743	USING A MANAGED OBJECT OPERATION TO CONTROL A LIFECYCLE MANAGEMENT OPERATION	16/319886	US-2019-0266012-A1	US	1/23/2019	8/29/2019
5744	A TRANSMITTER AND A METHOD FOR GENERATING AN ANALOG RADIO FREQUENCY TRANSMIT SIGNAL	16/321082	US-2019-0181889-A1	US	1/28/2019	6/13/2019
5745	DEVICES AND METHODS FOR ELAA MULTI-CARRIER LBT	16/321812	US-2019-0174546-A1	US	1/29/2019	6/6/2019
5746	USER EQUIPMENT (UE) EVOLVED NODE-B (ENB) AND METHODS FOR MULTIPLEXING NEW RADIO (NR) PHYSICAL UPLINK SHARED CHANNEL (NR PUSCH) AND NR PHYSICAL UPLINK CONTROL CHANNEL (NR PUCCH)	16/322040	US-2019-0191453-A1	US	1/30/2019	6/20/2019

SCHEDULE A

No.	TITLE	Filing Number	Publication Number	Jurisdiction	Filing Date	Publication Date
5747	MOBILE TERMINAL DEVICES AND METHODS IN MOBILE COMMUNICATION DEVICES	16/323261	US-2019-0215783-A1	US	2/5/2019	7/11/2019
5748	TRANSMISSION OF PHASE TRACKING REFERENCE SIGNALS (PT-RS)	16/323465		US	2/5/2019	
5749	BEAM MEASUREMENT AND REPORTING IN CELLULAR NETWORKS	16/324667	US-2019-0182696-A1	US	2/11/2019	6/13/2019
5750	ANTENNA ARRANGEMENT FOR WIRELESS VIRTUAL-REALITY HEADSET	16/325601	US-2019-0214709-A1	US	2/14/2019	7/11/2019
5751	SYSTEMS METHODS AND DEVICES FOR UPLINK BEARER AND ACCESS CATEGORY MAPPING	16/326652		US	2/19/2019	
5752	CHIP-ENHANCED BATTERY	16/327399	US-2019-0200199-A1	US	2/22/2019	6/27/2019
5753	SIGNALING TO SUPPORT REDUCED PROCESSING TIME	16/327775	US-2019-0215906-A1	US	2/22/2019	7/11/2019
5754	MOBILE DEVICE MANAGEMENT BASED ON PREDICTED BASE STATION BEHAVIOR	16/327878	US-2019-0223098-A1	US	2/25/2019	7/18/2019
5755	LINK MONITORING REPETITION LEVEL FEEDBACK FOR COMMUNICATION SYSTEMS	16/328543	US-2019-0215909-A1	US	2/26/2019	7/11/2019
5756	APPARATUSES AND METHODS FOR MEASURING NEIGHBORING INTER-FREQUENCY OR INTER-RAT CELLS	16/328741	US-2019-0200270-A1	US	2/27/2019	6/27/2019
5757	SYSTEMS AND METHODS TO REPORT BAND COMBINATION CAPABILITIES IN A TELECOMMUNICATION NETWORK	16/339143	US-2019-0306925-A1	US	4/3/2019	10/3/2019
5758	UE AND DEVICES FOR CODEC RATE ADAPTATION	16/339300		US	4/3/2019	
5759	SIGNALING OF SUPPORT FOR NETWORK CONTROLLED SMALL GAP NCSG FOR INTERRUPTION CONTROL	16/339500		US	4/4/2019	
5760	DOWNLINK CONTROL INFORMATION DESIGN WITH SHORTER TTI	16/346335	US-2019-0268931-A1	US	4/30/2019	8/29/2019
5761	REFERENCE SIGNAL TIME DIFFERENCE (RSTD) MEASUREMENTS FOR OBSERVED TIME DIFFERENCE OF ARRIVAL (OTDOA) POSITIONING	16/347800	US-2019-0257916-A1	US	5/6/2019	8/22/2019
5762	DYNAMIC PROTOCOL STACK RESET DURING RADIO HANDOVER	16/348380	US-2019-0313296-A1	US	5/8/2019	10/10/2019
5763	SYSTEMS METHODS AND DEVICES FOR CONGESTION CONTROL FOR TRANSPORT OF USER DATA VIA A CONTROL PLANE	16/349219		US	5/10/2019	
5764	BANDWIDTH ADAPTATION FOR WIRELESS COMMUNICATION SYSTEM	16/349251	US-2019-0289668-A1	US	5/10/2019	9/19/2019
5765	USER EQUIPMENT (UE) GENERATION NODE-B (GNB) AND METHODS FOR SIGNALING OF CONTROL INFORMATION FOR PRE-CODING	16/349556		US	5/13/2019	
5766	PHYSICAL RESOURCE BLOCK INDEXING FOR COEXISTENCE OF NARROW BAND CARRIER AGGREGATION AND WIDE BAND USER EQUIPMENT IN NEW RADIO	16/349584	US-2019-0280843-A1	US	5/13/2019	9/12/2019

SCHEDULE A

No.	TITLE	Filing Number	Publication Number	Jurisdiction	Filing Date	Publication Date
5767	MANAGEMENT OF VOICE SERVICES FOR USER EQUIPMENTS IN COVERAGE ENHANCEMENT (CE) MODE B	16/349587	US-2019-0273762-A1	US	5/13/2019	9/5/2019
5768	MEASUREMENT OF BEAM REFINEMENT SIGNAL	16/349957	US-2019-0334611-A1	US	5/14/2019	10/31/2019
5769	SYNCHRONIZATION SIGNAL TRANSMISSION TECHNIQUES	16/349960	US-2019-0319699-A1	US	5/14/2019	10/17/2019
5770	COVERAGE ENHANCEMENT FOR UNLICENSED INTERNET OF THINGS (U-IoT)	16/349963	US-2019-0288811-A1	US	5/14/2019	9/19/2019
5771	TECHNIQUES FOR CONTROLLING SPECIFIC ABSORPTION RATE OF RADIO ENERGY TRANSMISSION	16/381554	US-2019-0349017-A1	US		11/14/2019
5772	USER EQUIPMENT AND METHODS OF BEARER OPERATION FOR CARRIER AGGREGATION	16/406791		US		
5773	OFDMA-BASED MULTIPLEXING OF UPLINK CONTROL INFORMATION	16/406808		US		
5774	APPARATUSES TO AUTHORIZE AND ENABLE/DISABLE ENHANCED COVERAGE FUNCTIONALITY	16/407004	US-2019-0274088-A1	US		9/5/2019
5775	FILTER COEFFICIENT CONFIGURATION IN NEW RADIO SYSTEMS	16/407126		US		
5776	EVOLVED NODE-B (ENB) USER EQUIPMENT (UE) AND METHODS FOR FLEXIBLE DUPLEX COMMUNICATION	16/407143	US-2019-0335478-A1	US		10/31/2019
5777	DEVICE AND METHOD TO IMPROVE HORIZONTAL AND VERTICAL POSITIONING ACCURACY	16/407148		US		
5778	REFERENCE SIGNALS FOR INITIAL ACQUISITION IN 5G SYSTEMS	16/407154		US		
5779	APPARATUS AND METHOD FOR IOT CONTROL CHANNEL	16/407159	US-2019-0335428-A1	US		10/31/2019
5780	CSI-RS SEQUENCE GENERATION AND MAPPING AND DMRS SCRAMBLING ID CONFIGURATION	16/407743	US-2019-0327050-A1	US		10/24/2019
5781	PUCCH AND PUSCH DEFAULT BEAM CONSIDERING BEAM FAILURE RECOVERY	16/407801	US-2019-0335524-A1	US		10/31/2019
5782	USER EQUIPMENT (UE) EVOLVED NODE-B (ENB) AND METHODS FOR MULTIPLEXING NEW RADIO (NR) PHYSICAL UPLINK SHARED CHANNEL (NR PUSCH) AND NR PHYSICAL UPLINK CONTROL CHANNEL (NR PUCCH)	16/407961	US-2019-0335493-A1	US		10/31/2019
5783	TRANSMISSION OF PHASE TRACKING REFERENCE SIGNALS (PT-RS) FOR BANDWIDTH PARTS	16/408003	US-2019-0356463-A1	US		11/21/2019
5784	BEAM MANAGEMENT FOR CARRIER AGGREGATION (CA)	16/408021	US-2019-0357249-A1	US		11/21/2019
5785	SYSTEM AND METHOD FOR PUCCH TRANSMISSION SCHEME	16/408063	US-2019-0273644-A1	US		9/5/2019
5786	SIGNALING FOR RESOURCE ALLOCATION AND SCHEDULING IN 5G-NR INTEGRATED ACCESS AND BACKHAUL	16/408070		US		

SCHEDULE A

No.	TITLE	Filing Number	Publication Number	Jurisdiction	Filing Date	Publication Date
5787	UE-TO-NETWORK RELAY INITIATION AND CONFIGURATION	16/408092		US		
5788	CLIENT/SERVER SIGNALING COMMANDS FOR DASH	16/408101		US		
5789	ATTENTION (AT) COMMANDS FOR PACKET DATA NETWORK CONNECTION OFFLOAD	16/408166		US		
5790	DEVICE AND METHOD OF CONFIGURABLE SYNCHRONIZATION SIGNAL AND CHANNEL DESIGN	16/408193	US-2019-0334646-A1	US		10/31/2019
5791	ACK/NACK SIGNALS FOR NEXT GENERATION LTE DEVICES AND SYSTEMS	16/408223		US		
5792	NETWORK FUNCTIONS VIRTUALIZATION	16/408231	US-2019-0334777-A1	US		10/31/2019
5793	DEVICES AND METHODS OF USING NETWORK FUNCTION VIRTUALIZATION AND VIRTUALIZED RESOURCES PERFORMANCE DATA TO IMPROVE PERFORMANCE	16/408234	US-2019-0334796-A1	US		10/31/2019
5794	NEXT GENERATION NODE-B (GNB) AND METHODS TO INDICATE A TYPE OF ACCESS FOR PAGING OF A USER EQUIPMENT (UE)	16/408265	US-2019-0335418-A1	US		10/31/2019
5795	TRANSPORT NETWORK LAYER ASSOCIATIONS ON THE F1 INTERFACE	16/408296		US		
5796	POWER BOOSTING AND TRANSPORT BLOCK SIZE (TBS) DESIGN IN A NEW RADIO (NR) SYSTEM	16/408313		US		
5797	USER EQUIPMENT MEASUREMENTS FOR NEW RADIO	16/408357		US		
5798	NON-CONTENTION BASED LOW LATENCY SCHEDULING REQUEST TRANSMISSION	16/408456	US-2019-0357246-A1	US		11/21/2019
5799	PHYSICAL BROADCAST CHANNEL DESIGN	16/408461	US-2019-0349913-A1	US		11/14/2019
5800	MANAGEMENT TECHNIQUES FOR WIRELESS NETWORK MOBILITY PROCEDURES	16/418273	US-2019-0313237-A1	US		10/10/2019
5801	SYSTEMS METHODS AND DEVICES FOR RADIO ACCESS TECHNOLOGY COORDINATION	16/418703	US-2019-0274148-A1	US		9/5/2019
5802	WIRELESS LOCAL AREA NETWORK (WLAN) CONNECTIVITY OPTION DISCOVERY	16/444416	US-2019-0306868-A1	US		10/3/2019
5803	USER EQUIPMENT AND METHODS FOR PHYSICAL UPLINK CONTROL CHANNEL (PUCCH) RESOURCE ALLOCATION AND COMMUNICATION	16/446860		US		
5804	SYSTEMS AND METHODS FOR EFFICIENT TRAFFIC OFFLOAD WITHOUT SERVICE DISRUPTION	16/448906		US		
5805	SYSTEMS METHODS AND DEVICES FOR USING S-MEASURE WITH NEW RADIO	16/448951		US		
5806	SYSTEM AND METHOD OF CONTROLLING A TRANSMISSION	16/454066		US		

SCHEDULE A

No.	TITLE	Filing Number	Publication Number	Jurisdiction	Filing Date	Publication Date
5807	USER EQUIPMENT CONTROLLED MOBILITY IN AN EVOLVED RADIO ACCESS NETWORK	16/454546		US		
5808	APPARATUS FOR OVERLOAD RECOVERY OF AN INTEGRATOR IN A SIGMA-DELTA MODULATOR	16/457058	US-2019-0326925-A1	US		10/24/2019
5809	SYSTEMS AND METHODS FOR MODULATION AND CODING SCHEME SELECTION AND CONFIGURATION	16/457367		US		
5810	5G MMWAVE WIRELESS REMOTE RADIO HEAD SYSTEM	16/461727	US-2019-0320498-A1	US	5/16/2019	10/17/2019
5811	CONTROL CHANNEL DESIGN FOR WIDEBAND COVERAGE ENHANCEMENT (WCE) SYSTEM INFORMATION BLOCK (SIB) TRANSMISSION	16/462192		US	5/17/2019	
5812	HANDLING OF USER EQUIPMENT COVERAGE ENHANCEMENT MODE B RADIO CAPABILITY MISMATCH DUE TO CHANGE IN USER EQUIPMENT USAGE SETTING	16/462339		US	5/20/2019	
5813	APPARATUSES TO SWITCH BETWEEN LTE RAT AND NR RAT DURING TRANSITION FROM INACTIVE STATE TO ACTIVE STATE	16/462342	US-2019-0320483-A1	US	5/20/2019	10/17/2019
5814	SUPPORT OF FLEXIBLE PDCCH MONITORING IN NEW RADIO (NR)	16/462644	US-2019-0306737-A1	US	5/21/2019	10/3/2019
5815	TIME ADVANCE ADJUSTMENT DELAY FOR SHORTENED TRANSMISSION TIME INTERVAL UNDER CARRIER AGGREGATION OR DUAL CONNECTIVITY	16/462877		US	5/21/2019	
5816	COMMON PHYSICAL DOWNLINK CONTROL CHANNEL (cPDCCH) DESIGN FOR MULTIFIRE WIDEBAND COVERAGE ENHANCEMENT (WCE) SYSTEMS	16/463338		US	5/22/2019	
5817	SIGNALING OF A CHANNEL STATE INFORMATION REFERENCE SIGNAL (CSI-RS) MAPPING CONFIGURATION FOR A NEW RADIO (NR) SYSTEM	16/463953		US	5/24/2019	
5818	MONITORING CONTROL CHANNELS IN CONTROL RESOURCE SETS FOR NEW RADIO	16/463971		US	5/24/2019	
5819	RESOURCE ALLOCATION FOR SYSTEM INFORMATION BLOCK (SIB) TRANSMISSION IN A MULTIFIRE SYSTEM	16/463998		US	5/24/2019	
5820	TECHNIQUES TO PERFORM A RANDOM-ACCESS CHANNEL PROCEDURE FOR HANDOVERS IN A WIRELESS COMMUNICATION ENVIRONMENT	16/464768	US-2019-0313300-A1	US	5/29/2019	10/10/2019
5821	TRANSMISSION OF GROUP COMMON PDCCH (PHYSICAL DOWNLINK CONTROL CHANNEL) FOR NR (NEW RADIO)	16/464814	US-2019-0349904-A1	US	5/29/2019	11/14/2019

SCHEDULE A

No.	TITLE	Filing Number	Publication Number	Jurisdiction	Filing Date	Publication Date
5822	Performance Measurements Related to Virtualized Resources	16/464840		US	5/29/2019	
5823	METHODS AND ARRANGEMENTS FOR WIDE BANDWIDTH COMMUNICATIONS	16/464927		US	5/29/2019	
5824	PARTIAL UPLINK SUBFRAME TRANSMISSIONS ON UNLICENSED CARRIERS	16/465121	US-2019-0327117-A1	US	5/29/2019	10/24/2019
5825	MANAGING LINK QUALITY AND USING PARTIAL SUBFRAMES IN WIRELESS TELECOMMUNICATION NETWORKS	16/465225		US	5/30/2019	
5826	MEASUREMENT JOB SUSPENSION AND RESUMPTION IN NETWORK FUNCTION VIRTUALIZATION	16/465453		US	5/30/2019	
5827	DPLL WITH ADJUSTABLE DELAY IN INTEGER OPERATION MODE	16/465515		US	5/30/2019	
5828	SCHEDULING AND HYBRID AUTOMATIC REPEAT REQUEST OPERATION FOR CARRIER AGGREGATION WITH MIXED NUMEROLOGIES	16/465530		US	5/30/2019	
5829	UPLINK CONTROL INFORMATION (UCI) TRANSMISSION AND HYBRID AUTOMATIC REPEAT REQUEST (HARQ) PROCESS IDENTIFICATION FOR GRANT-FREE PHYSICAL UPLINK SHARED CHANNEL (PUSCH)	16/465977		US	5/31/2019	
5830	ANCHOR CHANNEL DESIGN FOR UNLICENSED INTERNET OF THINGS (IOT)	16/465978		US	5/31/2019	
5831	SYSTEM AND METHOD FOR PHASE TRACKING REFERENCE SIGNAL (PT-RS) MULTIPLEXING	16/465994	US-2019-0296877-A1	US	5/31/2019	9/26/2019
5832	GRANTLESS UPLINK (GUL) CONFIGURATION	16/465996		US	5/31/2019	
5833	SUPPORT OF 64 QAM FOR EFEMTC PDSCH TRANSMISSION	16/465998		US	5/31/2019	
5834	ENHANCEMENT ON SCHEDULING AND HARQ-ACK FEEDBACK FOR URLLC MULTIPLEXING SCHEME FOR CONTROL/DATA CHANNEL AND DM-RS FOR NR AND ACTIVATION MECHANISM SCHEDULING ASPECTS AND SYNCHRONIZATION SIGNAL (SS) BLOCKS FOR NEW RADIO (NR) SYSTEM WITH MULTIPLE BANDWIDTH PARTS (BWPS)	16/466446		US	6/4/2019	
5835	UE TESTING SYSTEM FOR RF CHARACTERISTICS FOR THE NEW RADIO STANDARD	16/467102		US	6/6/2019	
5836	REG BUNDLING SIZE AND DM-RS PATTERN FOR PHYSICAL DOWNLINK CONTROL CHANNEL	16/467185		US	6/6/2019	
5837	CONTROL CHANNEL TRANSMISSION IN NEW RADIO ACCESS TECHNOLOGIES USING COMMON SEARCH SPACE	16/467549	US-2019-0313388-A1	US	6/7/2019	10/10/2019

SCHEDULE A

No.	TITLE	Filing Number	Publication Number	Jurisdiction	Filing Date	Publication Date
5838	BEAMFORMING MEASUREMENTS BASED ON PSS/SSS	16/471506	US-2019-0327650-A1	US	6/19/2019	10/24/2019
5839	GENERATION NODE-B (GNB) USER EQUIPMENT (UE) AND METHODS FOR HANDOVER IN NEW RADIO (NR) SYSTEMS	16/473235	US-2019-0327651-A1	US	6/24/2019	10/24/2019
5840	NR (New Radio) PRACH (Physical Random Access Channel) Configuration and Multi-Beam Operation	16/473382		US	6/25/2019	
5841	CONTROL RESOURCE BLOCK SET SEARCH SPACE DESIGN	16/473558	US-2019-0350049-A1	US	6/25/2019	11/14/2019
5842	TRACKING REFERENCE SIGNALS FOR NEW RADIO	16/473563		US	6/25/2019	
5843	ADVERTISEMENT OF NR CAPABILITY TO USER EQUIPMENT	16/473577		US	6/25/2019	
5844	NARROWBAND INTERNET-OF-THINGS (NB-IOT) ENHANCEMENTS	16/473586		US	6/25/2019	
5845	REPORTING A NUMBER OF EFFECTIVE FREQUENCIES FOR RADIO RESOURCE MANAGEMENT PURPOSES	16/473663	US-2019-0357068-A1	US	6/26/2019	11/21/2019
5846	TECHNOLOGY COORDINATION FOR DEVICE-TO-DEVICE DISCOVERY	16/474036		US	6/26/2019	
5847	POSITIONING ENHANCEMENTS FOR NARROWBAND INTERNET OF THINGS	16/474149	US-2019-0349881-A1	US	6/27/2019	11/14/2019
5848	APPARATUS AND METHOD FOR INTERPOLATING BETWEEN A FIRST AND A SECOND SIGNAL	16/474560	US-2019-0356306-A1	US	6/28/2019	11/21/2019
5849	APPARATUS OF GNB TO ENABLE AN INACTIVE MODE IN DUAL CONNECTIVITY	16/475056		US	6/28/2019	
5850	SYSTEMS METHODS AND DEVICES FOR MEETING CELLULAR DATA TURNAROUND TIME	16/475619	US-2019-0327024-A1	US	7/2/2019	10/24/2019
5851	INSTANTIATION AND MANAGEMENT OF PHYSICAL AND VIRTUALIZED NETWORK FUNCTIONS OF A RADIO ACCESS NETWORK NODE	16/475621	US-2019-0327621-A1	US	7/2/2019	10/24/2019
5852	SYSTEMS METHODS AND APPARATUSES FOR DIAMETER BASED INTERFACES TO ENABLE RESTRICTIONS OF COVERAGE ENGAGEMENT IN WIRELESS NETWORKS	16/475624		US	7/2/2019	
5853	INTER-NODE INTERFERENCE AVOIDANCE	16/475667		US	7/5/2019	
5854	ACCESS CONTROL FOR WIRELESS CELLULAR COMMUNICATION SYSTEMS	16/475670	US-2019-0349843-A1	US	7/2/2019	11/14/2019
5855	GENERATION NODE-B (GNB) USER EQUIPMENT (UE) AND METHODS FOR INTERLEAVING IN MULTIPLE-INPUT MULTIPLE-OUTPUT (MIMO) ARRANGEMENTS	16/475733	US-2019-0334585-A1	US	7/3/2019	10/31/2019
5856	TRANSMISSION SCHEME FOR COMMON CONTROL MESSAGE WITH MULTI-BEAM OPERATION	16/475765	US-2019-0357303-A1	US	7/3/2019	11/21/2019

SCHEDULE A

No.	TITLE	Filing Number	Publication Number	Jurisdiction	Filing Date	Publication Date
5857	LOW OVERHEAD SUBBAND PHYSICAL DOWNLINK CONTROL FOR COMMUNICATION SYSTEMS	16/475782	US-2019-0349153-A1	US	7/3/2019	11/14/2019
5858	QUALITY OF SERVICE FLOW TO DATA RADIO BEARER MAPPING OVERRIDE BIT	16/475851	US-2019-0357086-A1	US	7/3/2019	11/21/2019
5859	SYSTEMS METHODS AND DEVICES FOR VIRTUAL RESOURCE METRIC MANAGEMENT	16/476011	US-2019-0349272-A1	US	7/3/2019	11/14/2019
5860	NETWORK RESOURCE MODEL TO SUPPORT NEXT GENERATION NODE B	16/476028	US-2019-0357084-A1	US	7/3/2019	11/21/2019
5861	SEMI-PERSISTENT SCHEDULING FOR AUTONOMOUS TRANSMISSION ACTIVATION AND RELEASE	16/476038	US-2019-0349908-A1	US	7/3/2019	11/14/2019
5862	RESOURCE MAPPING AND MULTIPLEXING OF UPLINK CONTROL CHANNEL AND UPLINK DATA CHANNEL	16/476040	US-2019-0335449-A1	US	7/3/2019	10/31/2019
5863	MECHANISMS TO HANDLE DL (DOWNLINK) CONTROL AND DATA CHANNELS WITH DIFFERENT NUMEROLOGIES IN NR (NEW RADIO)	16/476127	US-2019-0357198-A1	US	7/5/2019	11/21/2019
5864	ESTABLISHMENT OF RANDOM ACCESS CHANNEL COMMUNICATIONS	16/476180	US-2019-0357272-A1	US	7/5/2019	11/21/2019
5865	POWER HEADROOM REPORTING FOR SHORTENED TRANSMISSION TIME INTERVALS	16/476375		US	7/8/2019	
5866	NETWORK CONTROLLED SMALL GAP CONFIGURATION	16/476381		US	7/8/2019	
5867	Determining Timing Differences Between Primary and Secondary Component Carriers Having Variable Transmission Time Intervals	16/476397		US	7/8/2019	
5868	DEVICE AND METHOD TO ALLOW CROSS-TRANSMISSION TIME INTERVAL (TTI) SWITCHING AND HYBRID AUTOMATIC REPEAT REQUEST (HARQ) OPERATION IN A NEW RADIO NETWORK	16/476528	US-2019-0356426-A1	US	7/8/2019	11/21/2019
5869	DOWNLINK CONTROL SIGNALING SEGMENTATION	16/476657		US	7/9/2019	
5870	RESOURCE ELEMENT (RE) MAPPING IN NEW RADIO (NR)	16/477376		US	7/11/2019	
5871	EVOLVED NODE-B (ENB) USER EQUIPMENT (UE) AND METHODS OF SWITCHING BETWEEN DIRECT AND INDIRECT COMMUNICATION FOR A RELAY ARRANGEMENT	16/477454	US-2019-0357101-A1	US	7/11/2019	11/21/2019
5872	NEW RADIO CONTROL CHANNEL RESOURCE SET DESIGN	16/477475	US-2019-0357185-A1	US	7/11/2019	11/21/2019
5873	SYSTEM INFORMATION DECODING IN WIRELESS NETWORKS	16/477497		US	7/11/2019	
5874	LOCATION POSITIONING PROTOCOL BASED POSITIONING FOR UES IN IDLE MODE	16/477572		US	7/12/2019	

SCHEDULE A

No.	TITLE	Filing Number	Publication Number	Jurisdiction	Filing Date	Publication Date
5875	New Radio (NR) Physical Uplink Structures and Schemes	16/478224		US	7/16/2019	
5876	Paging and Essential System Information Block (SIB) Transmission in the Unlicensed Internet of Things (U-IOT) System	16/478246		US	7/16/2019	
5877	PHYSICAL DOWNLINK CONTROL CHANNEL (PDCCH) DEMODULATION REFERENCE SIGNAL (DMRS) TRANSMISSION AND RECEPTION	16/478456		US	7/16/2019	
5878	PHASE TRACKING REFERENCE SIGNAL INDICATION IN MULTI-USER SUPERPOSITION TRANSMISSION	16/478813		US	7/17/2019	
5879	USER EQUIPMENT (UE) EVOLVED NODE-B (ENB) AND METHODS TO INDICATE PARAMETERS FOR A RELAY ARRANGEMENT	16/479161	US-2019-0350047-A1	US	7/18/2019	11/14/2019
5880	GENERATION NODE-B (GNB) USER EQUIPMENT (UE) AND METHODS FOR HANDOVER BASED ON MULTI-CONNECTIVITY IN NEW RADIO (NR) SYSTEMS	16/479176		US	7/18/2019	
5881	DESIGN OF SCHEDULING REQUEST FOR FURTHER ENHANCED NARROWBAND INTERNET OF THINGS (feNB-IoT)	16/479188		US	7/18/2019	
5882	CHANNEL STATE INFORMATION CONCATENATION AND ANTENNA PORT MEASUREMENT	16/479195	US-2019-0349057-A1	US	7/18/2019	11/14/2019
5883	EXIT CONDITIONS FOR CONDITIONAL HANDOVERS AND BEAM BASED MOBILITY STATE ESTIMATION	16/479482		US	7/19/2019	
5884	SYSTEMS METHODS AND DEVICES FOR MEASUREMENT CONFIGURATION BY A SECONDARY NODE IN EN-DC	16/479487		US	7/19/2019	
5885	ABSOLUTE POWER CONTROL TOLERANCE FOR NB-IOT/MTC	16/479549		US	7/19/2019	
5886	QUASI CO-LOCATION (QCL) FOR ANTENNA PORTS IN NEW RADIO (NR)	16/479556		US	7/19/2019	
5887	DEVICES FOR PER-CC MEASUREMENT GAP CONFIGURATION	16/479856		US	7/22/2019	
5888	AUTONOMOUS HANDOVER FOR WIRELESS NETWORKS	16/479891		US	7/22/2019	
5889	FAKE GNB/ENB DETECTION USING IDENTITY-BASED AUTHENTICATION AND ENCRYPTION	16/479895	US-2019-0349765-A1	US	7/22/2019	11/14/2019
5890	MECHANISMS FOR HANDLING UPLINK GRANTS INDICATING DIFFERENT PHYSICAL UPLINK SHARED CHANNEL STARTING POSITIONS IN A SAME SUBFRAME	16/480196		US	7/23/2019	
5891	SYSTEMS METHODS AND DEVICES FOR SELECTING CELLULAR TIMING CONFIGURATIONS	16/480272		US	7/23/2019	
5892	SYSTEM INFORMATION ACQUISITION ENHANCEMENTS FOR WIRELESS	16/480837		US	7/25/2019	

SCHEDULE A

No.	TITLE	Filing Number	Publication Number	Jurisdiction	Filing Date	Publication Date
	DEVICES					
5893	SYSTEMS AND METHODS FOR DELIVERING RADIO APPLICATIONS TO RECONFIGURABLE RADIO EQUIPMENT	16/481289		US	7/26/2019	
5894	BUFFER STATUS REPORT ENHANCEMENTS FOR TCP FLOW	16/481792		US	7/29/2019	
5895	DETERMINATION OF NEW RADIO (NR) PHYSICAL UPLINK CONTROL CHANNEL (PUCCH) RESOURCE FOR HYBRID AUTOMATIC REPEAT REQUEST ACKNOWLEDGEMENT (HARQ-ACK) FEEDBACK	16/482758		US	8/1/2019	
5896	High Speed train in New Radio (NR)	16/483181		US	8/2/2019	
5897	Beam Recovery Frame Structure and Recovery Request for Communication Systems	16/483252		US	8/2/2019	
5898	METHOD AND APPARATUS FOR CROSS RETRANSMISSION BETWEEN GUL AND SUL	16/483388		US	8/2/2019	
5899	METHOD AND APPARATUS FOR NUMEROLOGY CONFIGURATION IN NON-COHERENT JOINT TRANSMISSION	16/483393		US	8/2/2019	
5900	METHOD AND APPARATUS FOR COMMUNICATION IN LTE SYSTEM ON UNLICENSED SPECTRUM	16/483561		US	8/5/2019	
5901	PHYSICAL UPLINK SHARED CHANNEL (PUSCH) TRANSMISSION BASED ON ROBUST CODEBOOK	16/483568		US	8/5/2019	
5902	METHOD AND APPARATUS FOR RADIO LINK MONITORING	16/483982		US	8/6/2019	
5903	METHOD AND APPARATUS FOR INTERFERENCE MEASUREMENT USING BEAM MANAGEMENT REFERENCE SIGNAL	16/484040		US	8/6/2019	
5904	USER EQUIPMENT WITH ADAPTIVE TRANSMISSION POWER SCALING BASED ON DECODING CONFIDENCE	16/484325		US	8/7/2019	
5905	INSTANTIATION OF A VIRTUAL NETWORK FUNCTION (VNF) AS PART OF A GNODEB (GNB)	16/484422		US	8/7/2019	
5906	DESIGN OF DOWNLINK CONTROL INFORMATION FOR WIDEBAND COVERAGE ENHANCEMENT	16/484438		US	8/7/2019	
5907	METHODS AND SYSTEMS FOR INSTANTIATING AND CONNECTING RADIO ACCESS NETWORK VIRTUALIZED NETWORK FUNCTION AND CORE NETWORK VIRTUALIZED NETWORK FUNCTION	16/484790		US	8/8/2019	
5908	BANDWIDTH PART CONFIGURATION AND OPERATION FOR NEW RADIO (NR) WIDEBAND USER EQUIPMENT (UE)	16/484802		US	8/8/2019	
5909	SUPPORTING SON FUNCTIONS ON NETWORK SLICE INSTANCES	16/485088		US	8/9/2019	

SCHEDULE A

No.	TITLE	Filing Number	Publication Number	Jurisdiction	Filing Date	Publication Date
5910	Techniques for Improved Beam Management	16/487155		US	8/20/2019	
5911	Design of Cell Specific Reference Signal (CRS) Muting for Even Further Enhanced Machine Type Communication (EFEMTC)	16/487226		US	8/20/2019	
5912	DEVICES AND METHODS FOR DYNAMIC RACH	16/487390		US	8/20/2019	
5913	UE CAPABILITY INDICATION TO POSITIONING SERVER	16/487406		US	8/20/2019	
5914	RADIO LINK MONITORING BEAM RECOVERY AND RADIO LINK FAILURE HANDLING	16/487665		US	8/21/2019	
5915	SYSTEMS METHODS AND APPARATUSES FOR CONFIGURING MEASUREMENT GAP PER FREQUENCY GROUP AND PER CELL	16/487688		US	8/21/2019	
5916	SYSTEMS METHODS AND APPARATUSES FOR MANAGING MULTIPLE ANCHORS FOR MULTI-HOMING	16/487706		US	8/21/2019	
5917	USER EQUIPMENT (UE) EVOLVED NODE-B (ENB) AND METHODS OF PAGING IN ACCORDANCE WITH A RELAY ARRANGEMENT	16/487778		US	8/21/2019	
5918	EXPIRATION HANDLING OF TWO-STAGE GRANT VALIDITY DURATION	16/487788		US	8/21/2019	
5919	Method for Interference Measurement in New Radio (NR) Communication Systems	16/488039		US	8/22/2019	
5920	TIMING DETERMINATION TECHNIQUES FOR 5G RADIO ACCESS NETWORK CELLS	16/488133		US	8/22/2019	
5921	TECHNIQUES TO ENABLE PHYSICAL DOWNLINK CONTROL CHANNEL COMMUNICATIONS	16/488153		US	8/22/2019	
5922	ENHANCED CONDITIONAL HANDOVER	16/488175		US	8/22/2019	
5923	DOWNLINK CONTROL INFORMATION TO SUPPORT UPLINK PARTIAL SUBFRAME TRANSMISSION ON LICENSED ASSISTED ACCESS SECONDARY CELL	16/488187		US	8/22/2019	
5924	SUB-PRB RESOURCE ALLOCATION FOR PUSCH IN EVEN FURTHER ENHANCED MTC	16/488200		US	8/22/2019	
5925	TECHNIQUES FOR CHANNEL STATE DETERMINATION	16/488354		US	8/23/2019	
5926	PRIORITIZED MESSAGING AND RESOURCE SELECTION IN VEHICLE-TO-VEHICLE (V2V) SIDELINK COMMUNICATION	16/488552		US	8/23/2019	
5927	SECURITY FOR PAGING MESSAGES	16/488556		US	8/23/2019	
5928	CONTROL SIGNALING FOR DEMODULATION REFERENCE SIGNAL ANTENNA PORT INDICATION	16/488563		US	8/23/2019	

SCHEDULE A

No.	TITLE	Filing Number	Publication Number	Jurisdiction	Filing Date	Publication Date
5929	EFFICIENT BEAM SEARCH METHODS FOR THREE-DIMENSIONAL BEAMFORMING WITH NON-PRECODED REFERENCE SIGNALS	16/488618		US	8/26/2019	
5930	SYSTEMS METHODS AND DEVICES FOR SELECTING A PUBLIC LAND MOBILE NETWORK USING COVERAGE ENHANCEMENT INDICATORS	16/489178		US	8/27/2019	
5931	IMPROVED HANDLING OF TIMER EXPIRY FOR MT CSFB	16/489222		US	8/27/2019	
5932	SYSTEMS METHODS AND DEVICES FOR LEGACY SYSTEM FALLBACK IN A CELLULAR COMMUNICATIONS SYSTEM	16/489279		US	8/27/2019	
5933	IoT goes Unlicensed	16/489475		US	8/28/2019	
5934	BEAM MANAGEMENT PROCEDURE TRIGGERING AND SIGNALING DELIVERY IN FALL-BACK MODE	16/489913		US	8/29/2019	
5935	DEVICE RADAR SENSING	16/490218		US	8/30/2019	
5936	MAXIMUM CHANNEL OCCUPANCY TIME SHARING AND CO-EXISTENCE	16/490260		US	8/30/2019	
5937	COMMON SEARCH SPACE DESIGN IN ENHANCED PHYSICAL DOWNLINK CONTROL CHANNEL	16/490263		US	8/30/2019	
5938	TRANSMISSION OF SYNCHRONIZATION SIGNALS	16/490884		US	9/3/2019	
5939	CHANNEL QUALITY INDICATOR TABLE DESIGN FOR WIDEBAND COVERAGE ENHANCEMENT IN MULTIFIRE SYSTEMS	16/493739		US	9/12/2019	
5940	HYBRID AUTOMATIC REPEAT REQUEST (HARQ) FOR GRANT-LESS UPLINK (GUL) AND SCHEDULED UPLINK (SUL) IN LICENSED ASSISTED ACCESS (LAA) SYSTEMS	16/494544		US	9/16/2019	
5941	ENHANCED CELL SEARCH AND SYSTEM INFORMATION ACQUISITION	16/496363		US	9/20/2019	
5942	ANCHOR CHANNEL DESIGN FOR UNLICENSED INTERNET OF THINGS (IoT)	16/496375		US	9/20/2019	
5943	DESIGN OF EARLY TERMINATION SIGNAL AND HARQ-ACK FEEDBACK FOR PUSCH	16/496882		US	9/23/2019	
5944	NEW RADIO (NR) SHORT AND LONG DURATION PHYSICAL UPLINK CONTROL CHANNEL (PUCCH) DESIGN	16/496904		US	9/23/2019	
5945	TRANSPORT BLOCK DECODING OPERATION FOR HYBRID TRANSMISSION TIME INTERVAL (TTI) LENGTHS IN WIRELESS COMMUNICATION SYSTEMS	16/497484		US	9/25/2019	
5946	PHYSICAL DOWNLINK CONTROL CHANNELS (PDCCH) AND ENHANCED PDDCHS (EPDCCCH) IN WIDEBAND COVERAGE ENHANCEMENT (WCE) ARRANGEMENTS	16/497750		US	9/25/2019	

SCHEDULE A

No.	TITLE	Filing Number	Publication Number	Jurisdiction	Filing Date	Publication Date
5947	SYSTEM AND METHOD FOR BEAM MANAGEMENT PROCEDURE CONFIGURATION	16/498805		US	9/27/2019	
5948	MULTEFIRE ARCHITECTURE FOR CELLULAR INTERNET-OF-THINGS (CIOT)	16/499016		US	9/27/2019	
5949	MANAGEMENT OF GNB IN NETWORK FUNCTIONS VIRTUALIZATION FRAMEWORK	16/499044		US	9/27/2019	
5950	ACCESS CONTROL MECHANISM	16/499067		US	9/27/2019	
5951	GAP PATTERN DESIGN FOR NEW RADIO (NR) SYSTEMS	16/499747		US	9/30/2019	
5952	NETWORK FUNCTION VIRTUALIZATION INFRASTRUCTURE PERFORMANCE	16/499847		US	9/30/2019	
5953	ENHANCED NETWORK SLICE MANAGEMENT FOR WIRELESS COMMUNICATIONS	16/499857		US	9/30/2019	
5954	CENTRALIZED UNIT AND DISTRIBUTED UNIT CONNECTION IN A VIRTUALIZED RADIO ACCESS NETWORK	16/499861		US	9/30/2019	
5955	BEAMFORMED MEASUREMENT FOR NEW RADIO (NR)	16/500351		US	10/2/2019	
5956	HANDLING COLLISION FOR MINI-SLOT-BASED AND SLOT-BASED TRANSMISSION	16/500772		US	10/3/2019	
5957	METHODS AND ARRANGEMENTS TO SIGNAL FOR AERIAL VEHICLES	16/500889		US	10/4/2019	
5958	CONCURRENT TRANSMISSION OF ACKNOWLEDGMENT AND SCHEDULING REQUEST INFORMATION ON A CONTROL CHANNEL	16/500890		US	10/4/2019	
5959	System and Method for Phase Noise Compensation	16/500937		US	10/4/2019	
5960	RS (Reference Signal) Sequence Generation and Mapping and Precoder Assignment for NR (New Radio)	16/500971		US	10/4/2019	
5961	METHOD AND DEVICE FOR SCHEDULING CELL QUALITY MEASUREMENTS IN A MOBILE RECEIVER	16/507501		US		
5962	APPARATUS METHOD AND COMPUTER PROGRAM FOR TRANSCEIVERS OF A MOBILE COMMUNICATION SYSTEM	16/508409		US		
5963	COMMUNICATION DEVICE AND METHOD FOR RECEIVING SIGNALS IN A FREQUENCY RANGE	16/512461		US		
5964	METHOD AND AN APPARATUS FOR DETERMINING A NOISE SHAPED QUANTIZED PARAMETER CONTRIBUTING TO THE GENERATION OF AN OUTPUT SIGNAL	16/516281		US		
5965	SYSTEMS METHODS AND DEVICES FOR DIRECT COMMUNICATION	16/516904		US		

SCHEDULE A

No.	TITLE	Filing Number	Publication Number	Jurisdiction	Filing Date	Publication Date
5966	USER EQUIPMENT AND METHODS FOR ADAPTING SYSTEM PARAMETERS BASED ON EXTENDED PAGING CYCLES	16/530732		US		
5967	DEVICES AND METHODS FOR HARQ-ACK FEEDBACK SCHEME ON PUSCH IN WIRELESS COMMUNICATION SYSTEMS	16/536818		US		
5968	EVOLVED NODE-B AND USER EQUIPMENT AND METHODS FOR OPERATION IN A COVERAGE ENHANCEMENT MODE	16/538823		US		
5969	AMPLIFICATION CIRCUIT APPARATUS FOR AMPLIFYING LOW NOISE AMPLIFIER RADIO RECEIVER MOBILE TERMINAL BASE STATION AND METHOD FOR AMPLIFYING	16/538887		US		
5970	SPECTRUM SHARING BASED ON SELF-ORGANIZING NETWORKS	16/540656		US		
5971	WIRELESS LINK CONTROL AND RECOVERY USING POSITIONAL DATA	16/542310		US		
5972	WIRELESS CIRCUITRY WITH SCALABLE ACCURACY	16/542821		US		
5973	APPARATUSES AND METHODS FOR SHIFTING A DIGITAL SIGNAL BY A SHIFT TIME TO PROVIDE A SHIFTED SIGNAL	16/543756		US		
5974	PROCESSING REQUESTS FOR MEASUREMENT OF SIGNAL QUALITY AT THE LOCATION OF A USER EQUIPMENT WITH MULTIPLE SIMS	16/546334		US		
5975	METHOD APPARATUS AND COMPUTER READABLE MEDIUM FOR SWITCHING BETWEEN LOWER ENERGY AND HIGHER ENERGY WIRELESS COMMUNICATION TECHNIQUES	16/548528		US		
5976	EVOLVED NODE-B SHARED SPECTRUM CONTROLLER AND METHOD FOR COMMUNICATION IN SHARED SPECTRUM	16/563766		US		
5977	SEAMLESS MOBILITY FOR 5G AND LTE SYSTEMS AND DEVICES	16/584651		US		
5978	MEASUREMENT GAP REPETITION PATTERNS FOR INTER-FREQUENCY OFFLOADING IN HETEROGENEOUS WIRELESS NETWORKS	16/595637		US		
5979	CHANNEL DESIGN FOR ENHANCED MACHINE TYPE COMMUNICATION IN AN UNLICENSED SPECTRUM (eMTC-U) SYSTEM	16/603914		US	10/9/2019	
5980	MULTEFIRE DESIGN OF RANDOM ACCESS CHANNEL AND RANDOM ACCESS CHANNEL PROCEDURE FOR INTERNET OF THINGS DEVICE OPERATION IN UNLICENSED SPECTRUM	16/604047		US	10/9/2019	
5981	CONFIGURATION OF GRANT-LESS UPLINK TRANSMISSIONS FOR A USER EQUIPMENT	16/604141		US	10/9/2019	

SCHEDULE A

No.	TITLE	Filing Number	Publication Number	Jurisdiction	Filing Date	Publication Date
5982	MEASUREMENT CONFIGURATION TECHNIQUES FOR WIDEBAND COVERAGE ENHANCEMENT (WCE)-CAPABLE DEVICES	16/604836		US	10/11/2019	
5983	MEASUREMENT DESIGN FOR NEXT RADIO (NR) AND LONG TERM EVOLUTION (LTE)	16/604982		US	10/11/2019	
5984	BANDWIDTH UTILIZATION DURING SILENCE FRAMES	16/605681		US	10/16/2019	
5985	DOWNLINK CONTROL INFORMATION (DCI) FORMAT FOR GRANT-LESS UPLINK TRANSMISSION (GUL)	16/605784		US	10/16/2019	
5986	Access Control for User Equipment with Coverage Enhancement Level Support	16/609312		US	10/29/2019	
5987	EMTC-U MEASUREMENT	16/611638		US	11/7/2019	
5988	SOUNDING REFERENCE SIGNAL SEQUENCE DESIGN	16/612333		US	11/8/2019	
5989	PER UE NETWORK CONTROLLED SMALL GAP (NCSG) SIGNALLING	16/613541		US	11/14/2019	
5990	CONFIGURABILITY AND SIGNALING FOR HALF-TONE SHIFT	16/614106		US	11/15/2019	
5991	DEVICES AND METHODS FOR UE-SPECIFIC RAN-CN ASSOCIATIONS	16/615054		US	11/19/2019	
5992	DEVICES AND METHODS FOR FLOW-CONTROL TRIGGERING AND FEEDBACK	16/615337		US	11/20/2019	
5993	FREQUENCY DOMAIN RESOURCE ALLOCATION FOR DOWNLINK (DL) AND UPLINK (UL) IN NEW RADIO (NR)	16/616487		US	11/24/2019	
5994	COMMON-MODE FEEDBACK CIRCUIT	61/423862		US		
5995	SYSTEM METHOD AND E2E ARCHITECTURE FOR DCR MODE	61/553647		US		
5996	ADVANCED WIRELESS COMMUNICATION SYSTEMS AND TECHNIQUES	61/821635		US		
5997	ADVANCED WIRELESS COMMUNICATION SYSTEMS AND TECHNIQUES	61/824337		US		
5998	COMMUNICATION DEVICE AND METHOD FOR PERFORMING RADIO COMMUNICATION	61/827029		US		
5999	ADVANCED WIRELESS COMMUNICATION SYSTEMS AND TECHNIQUES	61/829970		US		
6000	ADVANCED WIRELESS COMMUNICATION SYSTEMS AND TECHNIQUES	61/883731		US		
6001	RACH FOR DUAL CONNECTIVITY	61/933839		US		
6002	ONE METHOD OF INTER FREQUENCY MEASUREMENT	61/933843		US		
6003	MULTI-RAT CONTROLLER SUPPORT FOR WLAN	61/933846		US		
6004	EFFICIENT RECEIVER YIELDING FOR DISTRIBUTED D2D	61/933852		US		
6005	WLAN SECURITY FOR INTEGRATED ENB/AP	61/933854		US		

SCHEDULE A

No.	TITLE	Filing Number	Publication Number	Jurisdiction	Filing Date	Publication Date
6006	METHOD FOR ENABLING COEXISTENCE BETWEEN LTE AND WIFI IN THE SAME UNLICENSED BAND	61/933856		US		
6007	ENABLING D2D FUNCTIONALITY FOR PUBLIC SAFETY APPLICATIONS	61/933858		US		
6008	MULTIPLE MEASUREMENT GAPS SCHEMES FOR INTER-FREQUENCY SCENARIOS IN LTE NETWORKS	61/933860		US		
6009	APPLICATION BASED CONGESTION CONTROL PER APN	61/933866		US		
6010	TRANSMIT POWER CONTROL FOR D2D TRANSMISSIONS	61/933873		US		
6011	CONSIDERATION ON TRANSMISSION OF LTE-U CHANNEL RESERVATION SIGNAL	61/933879		US		
6012	RF PROTECTION CLASSES FOR SOFTWARE COMPONENTS IN MOBILE DEVICE PLATFORMS	61/943948		US		
6013	INTRODUCING UE STATIONARY IN LTE NETWORKS	61/943978		US		
6014	CONVEYING RA-RNTI IN PDCCH-LESS OPERATION	61/943979		US		
6015	DL SCHEDULING AND HARQ ACK/NACK FEEDBACK ON LTE-U	61/943981		US		
6016	MULTIPLE MEASUREMENT GAPS SCHEMES ACROSS MULTIPLE RF CHAINS IN LTE NETWORKS	61/943982		US		
6017	GAP SIZE AND CYCLIC PREFIX LENGTH INDICATION FOR D2D DISCOVERY AND DATA COMMUNICATION	61/953622		US		
6018	OPPORTUNISTIC NETWORKING SUPPORT FOR LTE CELLULAR SYSTEM	61/953634		US		
6019	NOVEL MECHANISM FOR D2D COMMUNICATION MODE SELECTION IN REL-12	61/953645		US		
6020	METHODS TO CONVEY APPLICATION COMMUNICATIONS PATTERN FROM EXTERNAL APPLICATION SERVERS TO 3GPP SYSTEMS FOR EFFICIENT RAN/CN RESOURCE MANAGEMENT	61/953649		US		
6021	ATTENDED VS UNATTENDED SERVICES TO ASSIST NETWORK ON TRAFFIC CLASSIFICATION	61/953662		US		
6022	LOW ENERGY BLUETOOTH APPLICATION SERVICE PLATFORM	61/954418		US		
6023	SMALL CELL DISCOVERY SIGNAL	61/968278		US		
6024	MCS SIGNALING FOR COMMON CONTROL CHANNEL CONFIGURED WITH 256 QAM MODULATION	61/968283		US		
6025	FINE TIMING MEASUREMENT BURST MANAGEMENT	61/968630		US		
6026	WLAN AUTHENTICATION AND ENCRYPTION OPTIONS FOR INTEGRATED LTE/WLAN RATS	61/969780		US		

SCHEDULE A

No.	TITLE	Filing Number	Publication Number	Jurisdiction	Filing Date	Publication Date
6027	METHOD FOR DIFFERENTIATION OF PAYLOAD SIZE FOR D2D DISCOVERY	61/969781		US		
6028	CO-EXISTENCE BETWEEN RAN SOLUTIONS AND ANDSF POLICIES FOR WLAN INTERWORKING	61/969785		US		
6029	APPLICATION SPECIFIC HANDOVER	61/984673		US		
6030	ONE POSITIONING METHOD OF D2D	61/985338		US		
6031	FAIRNESS MANAGEMENT FOR DISTRIBUTED D2D	61/985342		US		
6032	SOLUTIONS FOR DYNAMIC DECLARATION OF CONFORMITY (DOC) AND CERTIFICATION UNDER THE NEW RADIO EQUIPMENT DIRECTIVE	61/985343		US		
6033	LOCAL CHANNEL RESERVATION FOR LTE OPERATION IN THE UNLICENSED SPECTRUM	61/985346		US		
6034	MULTIPLE EVENTS FOR MEASUREMENT REPORTING	61/985350		US		
6035	HANDLING OF SIMULTANEOUS SR TRANSMISSION IN DUAL CONNECTIVITY	61/985352		US		
6036	REFERENCE SIGNAL ENHANCEMENT FOR SHARED CELL ID SCENARIO	61/985355		US		
6037	NOMA FOR FUTURE WIRELESS SYSTEMS	61/985383		US		
6038	SOLUTION TO SKIP AUTHENTICATION PROCEDURE DURING CSFB TO SHORTEN CALL SETUP TIME	61/985386		US		
6039	CELL SPECIFIC LOAD BALANCING BASED ON UE SPEED	61/985387		US		
6040	ADAPTIVE LBT BASED ON SENSING ENVIRONMENT LEARNING	61/985389		US		
6041	One New Measurement Method of RSRQ	61/985390		US		
6042	COST SAVING IN SOFT BUFFER SIZE FOR LOW COST MTC	61/985391		US		
6043	METHOD AND SYSTEM TO MEASURE WLAN OPACKET ERROR RATE	61/985396		US		
6044	X2 TUNNELING FOR RESILIENT ENB OPERATION	61/985401		US		
6045	LAWFUL INTERCEPT REPORTING WITH PUBLIC SAFETY RELAYS	61/990608		US		
6046	NOVEL SYNCHRONIZATION SOURCE SELECTION METHOD FOR SUPPORT OF D2D COMMUNICATION RAN1	61/990615		US		
6047	DMRS DESIGN FOR D2D DISCOVERY RAN 1	61/990643		US		
6048	MEASUREMENT GAP DESIGN FOR UNUSED RF CHAIN IN SINGLE CHIP RF-IC	61/990646		US		
6049	PRIORITIZED CELL IDENTIFICATION AND MEASUREMENT METHOD	61/990647		US		
6050	CELL SELECTION AND RESELECTION PROCEDURE BASED ON PRIORITIZED NODES	61/990650		US		

SCHEDULE A

No.	TITLE	Filing Number	Publication Number	Jurisdiction	Filing Date	Publication Date
6051	MEASUREMENT PRIORITY FOR INTER-FREQUENCY MEASUREMENTS	61/990674		US		
6052	Multiple aligned gap for dual connectivity in LTE	61/990675		US		
6053	One measurement method of LTE dual connectivity	61/990682		US		
6054	PROCEDURES TO INDICATE UE PSM (POWER SAVING MODE) CONFIGURATION TO RAN NODES	61/990684		US		
6055	3GPP SYSTEM OPTIMIZATIONS TO SUPPORT LARGE NUMBER OF MTC DEVICES	61/990686		US		
6056	TENTATIVE GRANT FOR EFFICIENT D2D COMMUNICATION	61/990688		US		
6057	WLAN INTERWORKING COORDINATION BETWEEN LTE AND UMTS	61/990689		US		
6058	CROSS CARRIER HARQ RETRANSMISSION IN LTE-U RAN1	61/990692		US		
6059	STAGE-2 AND STAGE-3 DETAILS OF UMTS/WLAN RADIO INTERWORKING	61/990693		US		
6060	STAGE-2 AND STAGE-3 DETAILS OF LTE/WLAN RADIO INTERNETWORKING	61/990694		US		
6061	5G METHODS FOR IMPROVING THE COVERAGE IN HIGHER CARRIER FREQUENCY	62/006729		US		
6062	RAN1 APERIODIC BEACON SIGNAL TRANSMISSION FOR LTE-U	62/016001		US		
6063	RAN1 TRANSMISSION OF DISCOVERY SIGNAL ON LTE-U	62/016006		US		
6064	METHOD TO PREVENT A UE FROM REPEATING A REQUEST TOWARDS A MOBILE NETWORK	62/019295		US		
6065	ENHANCING QUALITY OF SERVICE ARCHITECTURE FOR LTE	62/019308		US		
6066	SECURE AND EFFICIENT PUBLIC SAFETY OPERATION IN PRESENCE OF ALG RELAY	62/019309		US		
6067	SYSTEM AND METHOD ON MEASUREMENT REPORT FOR LTE UNLICENSED SYSTEM	62/020316		US		
6068	LTE ENHANCEMENTS ON PAGING MECHANISM FOR LOW COMPLEXITY UES	62/020318		US		
6069	PRINCIPAL EIGEN BEAM QUANTIZATION METHOD FOR FD-MIMO SYSTEMS	62/024343		US		
6070	SYSTEM AND METHOD FOR PREVENTION OF REPEATED REQUESTS	62/027112		US		
6071	METHOD FOR RETRIEVING AND UTILIZING NEIGHBORING WLAN INFORMATION FOR LTE LAA OPERATION	62/027141		US		
6072	NEIGHBOR CELL SYSTEM INFORMATION PROVISIONING	62/027181		US		

SCHEDULE A

No.	TITLE	Filing Number	Publication Number	Jurisdiction	Filing Date	Publication Date
6073	LIGHTWEIGHT OVER-THE-AIR SIGNALLING MECHANISMS FOR DATA COMMUNICATION IN 3GPP SYSTEMS	62/027765		US		
6074	USAGE AND CONFIGURATION OF DIFFERENT CELL BARRING TIMES	62/029944		US		
6075	METHODS APPARATUSES AND SYSTEMS FOR MACHINE-TYPE COMMUNICATION WITH NARROWBAND DEPLOYMENT	62/032436		US		
6076	METHODS TO CONTROL TRAFFIC FROM APPLICATIONS WHEN THIRD PARTY SERVERS ENCOUNTER PROBLEMS	62/034704		US		
6077	PROXIMITY SERVICE FOR MULTI- CARRIER CAPABLE UE	62/034705		US		
6078	LOAD BALANCING SCHEMES FOR IDLE MODE UE	62/035924		US		
6079	LOW LATENCY FRAME DESIGN FOR UPLINK AND HARQ TRANSMISSIONS IN FDD LTE	62/036523		US		
6080	SYSTEM AND METHOD FOR PREVENTION OF REPEATED REQUESTS	62/036957		US		
6081	METHOD AND SYSTEM OF VNF LIFECYCLE MANAGEMENT TRIGGERED BY EM OR VNFM IN 3GPP MANAGEMENT FRAMEWORK	62/037998		US		
6082	OPTIMIZATIONS FOR SIGNALING OF UE RADIO CAPABILITY INFORMATION	62/038001		US		
6083	FRONT HAUL COMPRESSION METHOD FOR CLOUD RADIO ACCESS NETWORK (RAN) ARCHITECTURE	62/048730		US		
6084	MILLIMETER WAVE CARRIER AGGREGATION FOR MULTI-HOP RELAY BACKHAULING	62/050578		US		
6085	SYSTEM AND METHOD ASSOCIATED WITH EFFICIENT OPERATIONS FOR MTC APPLICATION	62/055434		US		
6086	ON THE TRANSMISSION OF COMMON CONTROL MESSAGES FOR MTC UES WITH REDUCED BANDWIDTH	62/055515		US		
6087	3D CODEBOOK FOR FULL DIMENSION MULTIPLE INPUT MULTIPLE OUTPUT (FD- MIMO) COMMUNICATIONS	62/055569		US		
6088	USER PREFERENCES FOR OPERATOR AND NON-OPERATOR DEPLOYED WLAN	62/055594		US		
6089	SYSTEM AND METHOD ASSOCIATED WITH HANDLING UPLINK TRANSMISSION COLLISION FOR MTC UES IN ENHANCED COVERAGE MODE	62/055596		US		
6090	SIGNALING FOR DEFAULT CONFIGURATION FOR INCREASED CARRIER MONITORING	62/056289		US		
6091	METHOD FOR EFFICIENT MOBILE COMMUNICATION IN MACRO-CELL ASSISTED SMALL CELL NETWORKS	62/058619		US		

SCHEDULE A

No.	TITLE	Filing Number	Publication Number	Jurisdiction	Filing Date	Publication Date
6092	SYSTEM AND METHOD FOR VNF INSTANTIATION TERMINATION EXPANSION AND CONTRACTION	62/059022		US		
6093	NOTIFICATION OF CIRCUIT-SWITCHED (CS) CALL TYPE FOR CIRCUIT-SWITCHED FALLBACK (CSFB)	62/059739		US		
6094	DOWNLINK CONTROL INFORMATION (DCI) DESIGN FOR LTE DEVICES	62/059749		US		
6095	OPPORTUNISTIC SIGNAL TRANSMISSION FOR INTER-RAT CO-EXISTENCE	62/060420		US		
6096	MECHANISM TO SEPARATE THE PAGING OPERATION OF COVERAGE CONSTRAINED DEVICES FROM THAT OF REGULAR UES	62/060423		US		
6097	ENABLERS FOR NETWORK FUNCTION VIRTUALIZATION (NFV) IN 3GPP	62/060951		US		
6098	METHOD AND APPARATUS OF WLAN ALARM NOTIFICATIONS FOR WLAN OFFLOADING IN 3GPP CELLULAR NETWORKS	62/062711		US		
6099	METHOD AND APPARATUS FOR CARRIAGE OF VIDEO QUALITY METADATA IN MPEG-TS MEDIA FILES	62/063845		US		
6100	UL TRAFFIC CONTROL METHOD IN TIGHTLY INTEGRATED WIFI/LTE	62/064284		US		
6101	SELF-ORGANIZED MULTI-HOP MILLIMETER WAVE BACKHAULING TO SUPPORT DYNAMIC ROUTING AND COOPERATIVE TRANSMISSION	62/066787		US		
6102	SELF-ORGANIZED MULTI-HOP MILLIMETER WAVE BACKHAULING TO SUPPORT DYNAMIC ROUTING AND COOPERATIVE TRANSMISSION	62/067179		US		
6103	ARCHITECTURE FOR BEARER SPLITTING IN RAN ANCHORED WLAN SYSTEMS	62/067636		US		
6104	METHODS AND PROCEDURES FOR CONNECTION CONTROL OF MTC AND OTHER MOBILE DATA APPLICATIONS IN 3GPP SYSTEMS	62/067659		US		
6105	METHODS FOR PROBABILISTIC TRANSMISSIONS FOR D2D DISCOVERY	62/069711		US		
6106	SYSTEM AND METHOD ON MEASUREMENT REPORT FOR LTE UNLICENSED SYSTEM	62/072861		US		
6107	ON HANDLING PUCCH AND PHICH RESOURCE COLLISION FOR ASYMMETRIC MTC REGION PAIRS	62/074296		US		
6108	ON EPDCCH ENHANCEMENT FOR MTC UES WITH REDUCED BANDWIDTH	62/075426		US		
6109	RAN ARCHITECTURE FOR LTE/WLAN AGGREGATION NON-COLLOCATED DEPLOYMENT	62/075710		US		

SCHEDULE A

No.	TITLE	Filing Number	Publication Number	Jurisdiction	Filing Date	Publication Date
6110	SYSTEM AND METHODS FOR CSI MEASUREMENTS FOR MTC UES WITH REDUCED UE BANDWIDTH SUPPORT	62/075722		US		
6111	METHODS FOR SUPPORT OF EARLY TERMINATION OF REPEATED TRANSMISSIONS FOR MTC UES IN ENHANCED COVERAGE MODE	62/076198		US		
6112	EPDCCH-BASED DL CONTROL CHANNEL WITH CROSS-SUBFRAME SCHEDULING FOR MTC UES WITH REDUCED BW SUPPORT	62/076359		US		
6113	LICENSED ASSIST ACCESS (LAA) OPERATION WITH DYNAMIC UPLINK AND DOWNLINK TRANSMISSION	62/076364		US		
6114	RAN PAGING MECHANISM TO ENABLE ENHANCED COVERAGE MODE	62/076382		US		
6115	NETWORK ASSISTED DOMAIN SELECTION	62/080869		US		
6116	LISTEN BEFORE TALK FOR UPLINK LTE LICENSED ASSISTED ACCESS	62/080913		US		
6117	INCMON FEATURE UE BEHAVIOUR	62/082004		US		
6118	CHANNEL STATE COMMUNICATION	62/083103		US		
6119	INTERACTIVE ZOOMING IN MULTIMEDIA TELEPHONY SERVICES	62/088283		US		
6120	RS PRESENCE DETECTION BASED LAA AND RS SEQUENCE DESIGN	62/091950		US		
6121	METHOD ON JOINT PROCESSING OF TRANSPORT BLOCKS ON MULTIPLE COMPONENT CARRIERS FOR CA AND LAA	62/095217		US		
6122	NETWORK-INITIATED DISCOVERY AND PATH SELECTION PROCEDURES FOR MULTI-HOP D2D/IOT UNDERLAY NETWORK	62/097456		US		
6123	METHOD AND SYSTEM TO MEASURE VNF AND NFVI PERFORMANCE MEASUREMENTS	62/102991		US		
6124	PUBLIC SAFETY DISCOVERY AND COMMUNICATION USING A UE-TO-UE RELAY	62/103754		US		
6125	LSA MANAGEMENT FOR DISTRIBUTED INFORMATION STORAGE	62/104251		US		
6126	SUPPORT OF NON-IP BASED COMMUNICATION OVER LTE DEVICE-TO-DEVICE INTERFACE	62/105000		US		
6127	NOVEL HARQ-ACK FEEDBACK SCHEME ON PUSCH IN WIRELESS COMMUNICATION SYSTEMS	62/105850		US		
6128	METHODS FOR APPLICATION SPECIFIC CONGESTION CONTROL FOR DATA COMMUNICATIONS	62/106431		US		
6129	NOVEL METHOD FOR (e)PDCCH MONITORING IN WIRELESS COMMUNICATION SYSTEM	62/106473		US		

SCHEDULE A

No.	TITLE	Filing Number	Publication Number	Jurisdiction	Filing Date	Publication Date
6130	OTDOA POSITIONING ENHANCEMENT BY USING HETEROGENEOUS REFERENCE SIGNALS	62/107627		US		
6131	METHOD TO IMPROVE THE POSITIONING ACCURACY IN HORIZONTAL AND VERTICAL DOMAIN	62/107665		US		
6132	ON THE TRANSMISSION OF LAA BURST CONTROL INFORMATION	62/108661		US		
6133	CARRIER AGGREGATION ENHANCEMENTS FOR UNLICENSED SPECTRUM AND 5G	62/109168		US		
6134	SYSTEM AND METHODS FOR PRECODED TRANSMISSIONS FOR NARROWBAND TRANSMISSIONS WITHIN WIDER SYSTEM BANDWIDTH	62/109342		US		
6135	SYSTEM AND METHODS FOR SUPPORT OF FREQUENCY HOPPING FOR UES WITH REDUCED BANDWIDTH SUPPORT	62/109382		US		
6136	RADIO RESOURCE MANAGEMENT REPORTING FOR LICENSED ASSISTED ACCESS	62/109497		US		
6137	PAGING PROCEDURES FOR EXTENDED COVERAGE OPERATION	62/109501		US		
6138	TYPE 2 PHR REPORTING IN PUCCH FORMAT 1B WITH CHANNEL SELECTION	62/109503		US		
6139	UPLINK SCHEDULING AND HARQ FOR LICENSED-ASSISTED ACCESS USING LTE	62/110185		US		
6140	WLAN TIME-OF-FLIGHT BASED POSITIONING FOR LTE LPP/LPPE	62/112928		US		
6141	UNIFIED FLEXIBLE 5G NEW AIR INTERFACE DESIGN	62/114733		US		
6142	METHOD OF AGGREGATING AN EMBMS SERVICE (TMGI) OVER MULTIPLE FREQUENCY CARRIERS	62/115498		US		
6143	SYSTEM AND METHOD FOR MULTI-RAT COORDINATION FOR 5G SYSTEM	62/121118		US		
6144	OPPORTUNISTIC ACCESS OF 5G MMWAVE RAT BASED ON EDGE CLOUD MOBILE PROXY	62/128009		US		
6145	STATEFUL UE-TO-UE RELAY FOR PUBLIC SAFETY	62/130893		US		
6146	SELECTIVE IP TRAFFIC OFFLOAD WITH DUAL CONNECTIVITY	62/130991		US		
6147	SECURITY FOR PUBLIC SAFETY DISCOVERY AND ONE-TO-ONE DIRECT COMMUNICATION	62/132973		US		
6148	METHOD AND APPARATUS OF MME OVERLOAD OR UNDERLOAD MITIGATION BY MME VNF IN THE LTE NETWORKS	62/133023		US		
6149	METHOD AND APPARATUS TO PROVISION AND ADD AN CELLULAR IOT DEVICE TO THE CLOUD SERVICE PROVIDER NETWORK	62/134975		US		

SCHEDULE A

No.	TITLE	Filing Number	Publication Number	Jurisdiction	Filing Date	Publication Date
6150	SYSTEM AND METHOD ON CONNECTION-LESS UPLINK TRANSMISSION FOR MTC	62/138635		US		
6151	QUASI-ORTHOGONAL MULTIPLE ACCESS	62/138892		US		
6152	ON PRS ENHANCEMENT	62/144779		US		
6153	UPLINK TRANSMISSION FOR LICENSED ASSISTED ACCESS	62/144832		US		
6154	CELL SPEC MG	62/145318		US		
6155	RANDOM ACCESS PROCEDURE FOR ENHANCED COVERAGE SUPPORT	62/145335		US		
6156	EFFICIENT MECHANISMS FOR UE CONTROLLED MOBILITY IN AN EVOLVED RADIO ACCESS NETWORK	62/145370		US		
6157	ENHANCEMENTS TO EPDCCH-BASED PHYSICAL DOWNLINK CONTROL CHANNEL FOR MTC	62/145378		US		
6158	CELL SPEC LOAD BALANCING	62/145394		US		
6159	CAPABILITY CELL SPEC MEASUREMENT GAP	62/145414		US		
6160	PHYSICAL LAYER DETAILS AND PROTOCOL DESIGN FOR CONNECTION-LESS TRANSMISSIONS OF SMALL DATA PACKETS FOR MACHINE-TYPE COMMUNICATION UPLINK	62/147985		US		
6161	TRANSMISSION SCHEME FOR 5G FLEXIBLE RAT	62/150988		US		
6162	PAGING ENHANCEMENT METHODS FOR EXTENDED DRX CYCLE IN CELLULAR SYSTEMS	62/159699		US		
6163	NOVEL APERIODIC CHANNEL STATE INFORMATION FEEDBACK TRIGGERING METHOD FOR CARRIER AGGREGATION SYSTEM IN REL-13	62/160356		US		
6164	PUSCH FRAME DESIGN AND OPERATION FOR LOW LATENCY USING LISTEN BEFORE TALK APPROACH	62/161587		US		
6165	METHODS FOR UE-TO-NW RELAY INITIATION CONFIGURATION AND SELECTION CONTROL	62/161761		US		
6166	3GPP SA5 ARCHITECTURE INCLUDING LSA AND SAS FEATURES	62/161762		US		
6167	ONE NEW MEASUREMENT METHOD IN CA AND DUAL CONNECTIVITY	62/161765		US		
6168	ONE METHOD OF MEASUREMENT GAP ENHANCEMENT TO REDUCE THE MEASUREMENT DELAY	62/161772		US		
6169	METHOD OF MEASUREMENT GAP CONFIGURATION IN DUAL CONNECTIVITY ENHANCEMENT	62/161779		US		
6170	SECONDARY CELL BECOMES PRIMARY CELL IN CARRIER AGGREGATION AND DUAL CONNECTIVITY SCENARIOS	62/161785		US		
6171	AT COMMANDS FOR WLAN OFFLOAD	62/163213		US		
6172	SEAMLESS MOBILITY FOR 5G AND LTE SYSTEMS	62/168245		US		

SCHEDULE A

No.	TITLE	Filing Number	Publication Number	Jurisdiction	Filing Date	Publication Date
6173	LEAN COMMON CHANNEL DESIGN	62/174140		US		
6174	DYNAMIC ADAPTIVE STREAMING OVER HTTP	62/180520		US		
6175	DYNAMIC ADAPTIVE STREAMING OVER HTTP (DASH)	62/180530		US		
6176	NOVEL DESIGN FOR LATENCY REDUCTION USING PUCCH	62/181581		US		
6177	SYSTEM AND METHOD FOR UPLINK ACK/NACK RESOURCE COLLISION REDUCTION IN FD-MIMO SYSTEM	62/181652		US		
6178	ENHANCEMENTS TO RAN NODE TO SUPPORT V2X SERVICES IN LTE/5G	62/183936		US		
6179	SYSTEM AND METHOD ON DYNAMIC RESOURCE ALLOCATION OF PARTITIONS FOR 5G	62/184435		US		
6180	DISTRIBUTED LINK SCHEDULING ALGORITHM FOR DEVICE-TO-DEVICE (D2D) COMMUNICATION VIA POWER CONTROL	62/187071		US		
6181	MMWAVE FRAME STRUCTURE	62/190049		US		
6182	CONVERGENCE LAYER FOR 5G COMMUNICATION SYSTEMS	62/195620		US		
6183	LAYER 2 RELAY PROTOCOLS AND MOBILITY	62/196138		US		
6184	LTE/WLAN AGGREGATION (LWA) ABOVE PDCP WITH IP/IPSEC TUNNEL	62/196456		US		
6185	SYSTEM AND METHODS FOR SYSTEM OPERATION FOR NARROWBAND-LTE FOR CELLULAR IOT	62/197353		US		
6186	METHOD AND SYSTEM OF CONFIGURATION MANAGEMENT TO SUPPORT VMME INSTANTIATION AND TERMINATION	62/197447		US		
6187	DYNAMIC MILLIMETER WAVE PENCIL CELL MANAGEMENT IN THE SUPPORT OF MULTI-CONNECTIVITY AND MOBILITY	62/198247		US		
6188	OFDMA BASED MULTIPLEXING OF UPLINK CONTROL INFORMATION ON A SHARED DATA CHANNEL	62/199058		US		
6189	SECURE FIRMWARE UPGRADE FOR CELLULAR IOT	62/199066		US		
6190	NOVEL PHYSICAL BROADCAST CHANNEL (PBCH) DESIGN FOR 5G SYSTEMS	62/199175		US		
6191	NETWORK DISCOVERY AND BEAM ACQUISITION IN 5G RAT BEAM CELL OPERATION	62/199893		US		
6192	DYNAMIC SPECTRUM ACCESS WITH FLEXIBLE BANDWIDTH FOR LICENSED SHARED ACCESS SYSTEMS	62/200924		US		
6193	SYSTEM AND METHOD FOR ULTRA-RELIABLE AND LOW LATENCY COMMUNICATIONS FOR RRC IDLE UE FOR 5G	62/201735		US		

SCHEDULE A

No.	TITLE	Filing Number	Publication Number	Jurisdiction	Filing Date	Publication Date
6194	NOVEL METHOD AND SYSTEM FOR UCI TRANSMISSION ON PUSCH FOR CARRIER AGGREGATION	62/202363		US		
6195	UNAUTHENTICATED IMS EMERGENCY SESSION WITH PSAP CALLBACK NUMBER	62/202634		US		
6196	ENHANCED UE SOUNDING REFERENCE SIGNALING FOR UPLINK BEAM TRACKING AND DATA SCHEDULING IN 5G RAT BEAM CELL OPERATION	62/203300		US		
6197	CODEBOOK DESIGN FOR BEAMFORMED CSI-RS FOR FD-MIMO	62/203595		US		
6198	LTE-ASSISTED FINE TIME MEASUREMENTS OVER WI-FI NETWORKS	62/203621		US		
6199	NOVEL PUCCH FORMAT ADAPTION METHOD FOR CONTROL SIGNALING TRANSMISSION IN A COMMUNICATION SYSTEM	62/203673		US		
6200	METHODS FOR SIGNALLING OF ACDC BARRING INFORMATION	62/204228		US		
6201	MEASUREMENT SUBFRAME TO IMPROVE SYNCHRONIZATION AND MEASUREMENT ACCURACY AND DELAY	62/204246		US		
6202	ONE METHOD OF MEASUREMENT GAP ENHANCEMENT	62/204383		US		
6203	AGC SETTING FOR LAA SCELLS	62/204678		US		
6204	FALLBACK MECHANISM TO DETECT EC USAGE	62/204746		US		
6205	LIGHTWEIGHT S1-LITE PROTOCOL DESIGN FOR CELLULAR IOT	62/204848		US		
6206	UE CAPABILITY REPORT IN MOBILE COMMUNICATION SYSTEM	62/204850		US		
6207	ENERGY DETECTION THRESHOLD ADAPTATION FOR DL AND UL LBT IN LAA	62/204907		US		
6208	RECEIVED SIGNAL STRENGTH INDICATOR MEASUREMENT FOR LICENSED ASSISTED ACCESS	62/204929		US		
6209	CQI FEEDBACK AND RRM MEASUREMENTS WITH DYNAMIC POWER SHARING AMONG MULTIPLE LAA SCELLS FOR DL-ONLY TRANSMISSION	62/205535		US		
6210	BEAMFORMING TRAINING REFERENCE SIGNAL DESIGN FOR 5G SYSTEM	62/206427		US		
6211	DEVICE-TO-DEVICE (D2D) ASSISTED MACHINE-TYPE COMMUNICATION (MTC)	62/207759		US		
6212	ENABLING UE TRANSMIT BEAMFORMING USING PRACH FOR 5G SYSTEM	62/207762		US		
6213	DETAILED (STAGE-3) RRC DESIGN FOR LTE/WLAN AGGREGATION (LWA)	62/208186		US		
6214	BEARER BINDING IN PRESENCE OF UE-TO-NETWORK RELAY	62/209092		US		

SCHEDULE A

No.	TITLE	Filing Number	Publication Number	Jurisdiction	Filing Date	Publication Date
6215	SOLUTION FOR NON-IP DATA TRANSMISSION FOR CIOT SYSTEMS USING SCEF	62/209591		US		
6216	DOWNLINK ASPECTS ON RECEIVING BEAMFORMING	62/210139		US		
6217	UE REPORTING SFN AND SUBFRAME OFFSET IN DC ENHANCEMENT	62/210717		US		
6218	MECHANISM TO INDICATE DOWNLINK AND UPLINK CONFIGURATION FOR 5G TDD SYSTEM	62/210752		US		
6219	BEAMFORMED PHYSICAL DOWNLINK CONTROL CHANNEL IN 5G RAT BEAM CELL OPERATION	62/211257		US		
6220	DUAL CONNECTIVITY FOR RELIABILITY	62/212235		US		
6221	WIRELESS PERSONAL AREA NETWORK UNDERLAYING CELLULAR NETWORKS	62/212336		US		
6222	CHANNEL ESTIMATION FOR NB-PBCH IN NB-LTE SYSTEMS	62/213568		US		
6223	ENHANCEMENT ON FLEXIBLE DUPLEX FOR 5G TDD SYSTEM	62/216917		US		
6224	RANDOM ACCESS PROCEDURE FOR BEAM BASED CELL-LESS OPERATION IN 5G RAT	62/216919		US		
6225	REFERENCE SIGNAL DESIGN FOR INITIAL ACQUISITION	62/217528		US		
6226	NOVEL UPLINK CONTROL INFORMATION TRANSMISSION METHOD IN WIRELESS COMMUNICATION	62/217532		US		
6227	SLICEABLE RADIO ACCESS NETWORK ARCHITECTURE FOR 5G WIRELESS COMMUNICATIONS	62/217536		US		
6228	AIR INTERFACE SLICING ARCHITECTURE FOR 5G WIRELESS COMMUNICATION SYSTEMS	62/217632		US		
6229	RADIO NETWORK ACCESS AND COMMUNICATION OF WEARABLE DEVICES	62/217635		US		
6230	UPLINK CONTROL INFORMATION TRANSMISSION IN WIRELESS COMMUNICATION	62/219950		US		
6231	UPLINK LICENSED ASSISTED ACCESS FOR PUSCH TRANSMISSIONS IN UNLICENSED BAND	62/232378		US		
6232	ON DETERMINATION OF NUMBER OF PUCCH REPETITIONS FOR MTC UES	62/232385		US		
6233	CONFIGURATION OF NON-UE-SPECIFIC SEARCH SPACE FOR M-PDCCH	62/232386		US		
6234	NOTIFICATION OF SYSTEM INFORMATION CHANGE FOR NARROWBAND SYSTEMS	62/232392		US		
6235	COMMON BROADCAST REGION OPERATION FOR NARROWBAND INTERNET OF THINGS SYSTEMS	62/233890		US		
6236	USING VNF AND VR PERFORMANCE DATA TO IMPROVE BNF	62/235372		US		

SCHEDULE A

No.	TITLE	Filing Number	Publication Number	Jurisdiction	Filing Date	Publication Date
	PERFORMANCE					
6237	MAPPING OF PBCH REPETITION SYMBOLS FOR MTC	62/235760		US		
6238	STATE HANDLING FOR NON-EPS SERVICES	62/236725		US		
6239	PAGING OPTIMIZATION USING LOCATION REPORTING MONITORING EVENT	62/236786		US		
6240	RRM REQUIREMENT FOR D2D INTER-CARRIER DISCOVERY GAP	62/237335		US		
6241	DUAL RADIO OPERATION BETWEEN ACCESS SYSTEMS USING 3GPP RADIO ACCESS TECHNOLOGY	62/238064		US		
6242	BEARER-LESS MODEL FOR 5G EVOLVED PACKET SYSTEM	62/238072		US		
6243	DYNAMICALLY BEAMFORMED PDCCH DESIGN FOR BEAMFORMED CELL	62/238606		US		
6244	ENHANCEMENT ON SELF-CONTAINED TDD SUBFRAME STRUCTURE	62/239044		US		
6245	SIGNALING METHODS FOR FLEXIBLE RADIO RESOURCE MANAGEMENT	62/239213		US		
6246	NETWORK INITIATED PACKET DATA NETWORK CONNECTION IN 5G EVOLVED PACKET SYSTEM	62/239750		US		
6247	CSI FEEDBACK CHANNEL	62/242245		US		
6248	SAS INTERFERENCE MITIGATION OPTIONS	62/242872		US		
6249	NOVEL RESOURCE MAPPING SCHEME FOR 5G CONTROL CHANNEL	62/242938		US		
6250	DMRS DESIGN FOR GUARD INTERVAL OR ZERO TAIL DFT SPREAD OFDM SYSTEM	62/242952		US		
6251	FLEXIBLE UNIVERSAL 5G FRAME STRUCTURE	62/242958		US		
6252	CONTENTION WINDOW SIZE ADAPTATION	62/243984		US		
6253	BEAM FORMING REFERENCE SIGNAL RECEIVING POWER REPORT	62/244609		US		
6254	GENERATION OF SSS/RS IN DRS OF LAA AND STANDALONE LTE UNLICENSED SYSTEMS	62/246264		US		
6255	BEAM REFINEMENT REFERENCE SIGNAL DESIGN FOR RECEPTION OF BEAMFORMING	62/246402		US		
6256	DISTINGUISHING SUBFRAMES WITH DIFFERENT CRS/CSI-RS TRANSMISSION POWER IN LAA SYSTEMS	62/246454		US		
6257	INTRA-PAN COMMUNICATION ARCHITECTURE FOR 5G LTE-WEARABLES	62/247052		US		
6258	ASPECTS ON SLICE-BASED OPERATION IN 5G NETWORKS WITH END-TO-END NETWORK SLICING	62/247664		US		

SCHEDULE A

No.	TITLE	Filing Number	Publication Number	Jurisdiction	Filing Date	Publication Date
6259	DESIGN AND TRANSMISSION OF (E)PDCCH WITHIN PARTIAL SUBFRAME IN LICENSED ASSISTED ACCESS	62/247877		US		
6260	RESTORING VNF PERFORMANCE VIA VNF RESET OF LIFECYCLE MANAGEMENT	62/249769		US		
6261	SECURE CONNECTION OF CELLULAR M2M/IOT DEVICE WITHOUT USING 3G CORE NETWORK	62/249824		US		
6262	RAN RE-ARCHITECTURE FOR NETWORK SLICING	62/250447		US		
6263	SHORTENED TTI TRANSMISSION	62/250448		US		
6264	LISTEN BEFORE TALK FOR DISCOVERY REFERENCE SIGNAL TRANSMISSION IN UNLICENSED SPECTRUM	62/251566		US		
6265	SYNCHRONIZATION SIGNAL DESIGN FOR NB-IOT	62/252362		US		
6266	CSI MEASUREMENTS AND CSI REPORTING IN LAA	62/252365		US		
6267	INTRA-FREQUENCY AND INTER-FREQUENCY MEASUREMENT FOR NARROW BAND MTC	62/252983		US		
6268	METHOD AND APPARATUS FOR CELL DEPLOYMENT AND RECEIVER SIGNAL PROCESSING FOR HIGH SPEED MOBILE SCENARIOS	62/253056		US		
6269	REGULAR FIFTH GENERATION ORTHOGONAL FREQUENCY DEMODULATION TIME GRID WITH EMBEDDED TIME DIVISION DUPLEX SWITCHING INTERVALS	62/254614		US		
6270	RATE-COMPATIBLE OPERATION WITH LDPC CODES	62/258918		US		
6271	MECHANISMS TO ACHIEVE COEXISTENCE OF LOW LATENCY AND HIGH THROUGHPUT SUBFRAME STRUCTURE	62/259994		US		
6272	MILLIMETER WAVE BROADCAST AND UNICAST CHANNEL DESIGN AND GENERIC TRANSMIT ARCHITECTURE	62/261734		US		
6273	SYSTEM AND METHOD FOR DOWNLINK CONTROL INDICATOR DESIGN IN BEAM AGGREGATION SYSTEM	62/262304		US		
6274	CSI-RS SIGNAL GENERATION WITH REDUCED OFDM SYMBOLS	62/264206		US		
6275	MULTI-SUBFRAME SCHEDULING FOR UL TRANSMISSION IN UNLICENSED SPECTRUM	62/264226		US		
6276	MOBILITY ENHANCEMENT AND THE PATH SELECTION FOR THE WEARABLE DEVICE	62/264231		US		
6277	CONTROL SIGNALING IN DUAL BEAM OPERATION	62/264749		US		

SCHEDULE A

No.	TITLE	Filing Number	Publication Number	Jurisdiction	Filing Date	Publication Date
6278	CONNECTING NON-3GPP ACCESS TO A COMMON CORE NETWORK USING AN ACCESS-INDEPENDENT INTERFACE	62/265306		US		
6279	DOWNLINK REACHABILITY FOR ULTRA LOW POWER SAVING DEVICES USING D2D	62/265310		US		
6280	HORIZONTAL NETWORK SLICING	62/265699		US		
6281	MACHINE TYPE COMMUNICATIONS USER EQUIPMENT WITH SCALABLE BANDWIDTH SUPPORT	62/268861		US		
6282	OFDMA BASED MULTIPLEXING OF UPLINK CONTROL INFORMATION ON A SHARED DATA CHANNEL	62/269363		US		
6283	MULTIPLEXING OF CONTROL SIGNALING AND DATA TRANSMISSION IN ENHANCED FRAME STRUCTURES	62/270933		US		
6284	LOW-DENSITY PARITY-CHECK CODE MATRICES FOR 5G APPLICATIONS	62/274545		US		
6285	ON THE DETERMINATION OF XPUCCH RESOURCE	62/274560		US		
6286	OPTIONS FOR NB-IOT SYNCHRONIZATION SIGNAL DESIGN	62/276482		US		
6287	DETECTING VIRTUALIZED RESOURCES PERFORMANCE ALARMS	62/276489		US		
6288	VNF INSTANTIATION AND TERMINATION	62/276527		US		
6289	CONTROL CHANNEL TRANSMISSION FOR NARROWBAND INTERNET-OF-THINGS SYSTEMS	62/277401		US		
6290	DYNAMIC HARQ CONFIGURATION AND BITMAP-BASED PROCESS ASSOCIATION	62/277809		US		
6291	LDPC PUNCTURING PATTERN SELECTION	62/278742		US		
6292	NB-IOT SYNCHRONIZATION SIGNAL DESIGN	62/279367		US		
6293	NETWORK SLICE SELECTION IN 3GPP AND 5G SYSTEMS	62/279494		US		
6294	SCHEDULING SELF-CONTAINED TRANSMISSION SCHEME FOR 5G	62/279548		US		
6295	SUBFRAME STRUCTURE TO ENABLE LOW LATENCY TRANSMISSION FOR 5G FDD SYSTEM	62/279568		US		
6296	ON THE UPLINK REQUEST IN 5G SYSTEM	62/280574		US		
6297	DRS TRANSMISSION WINDOW AND THE POSITION IDENTIFICATION FROM UE PERSPECTIVE	62/281035		US		
6298	INFORMATION TRANSMISSION IN STAND-ALONE MMWAVE SYSTEM	62/287250		US		
6299	RESOURCE MAPPING AND TRANSMISSION SCHEME OF BRS AND XPBCH FOR 5G SYSTEM	62/287791		US		
6300	UPLINK BEAM REFINEMENT	62/288309		US		

SCHEDULE A

No.	TITLE	Filing Number	Publication Number	Jurisdiction	Filing Date	Publication Date
6301	LIMITED BUFFER RATE-MATCHING AND REDUNDANCY VERSIONS WITH LDPC BASED HARQ	62/288936		US		
6302	RESOURCE ALLOCATION IN A LOW LATENCY WIRELESS SYSTEM	62/290281		US		
6303	LOW LATENCY OPERATION IN A WIRELESS COMMUNICATION SYSTEM	62/290283		US		
6304	RANDOM ACCESS PROCEDURE OPERATING IN UNLICENSED SPECTRUM	62/290289		US		
6305	DYNAMIC RESOURCE ALLOCATION AND TRANSMISSION SCHEME FOR XPUCCH	62/290791		US		
6306	PDSCH TRANSMISSION WITH SHORT TTI	62/290865		US		
6307	RESOURCE ALLOCATION SCHEME FOR BEAMFORMING REFERENCE SIGNAL FOR 5G SYSTEM	62/290871		US		
6308	SENSING-BASED COLLISION AVOIDANCE FOR LTE VEHICLE-TO-VEHICLE COMMUNICATION	62/291425		US		
6309	UL CROSS-TXOP SCHEDULING	62/291426		US		
6310	UPLINK DM-RS TRANSMISSION FOR PUSCH WITH SHORTENED TTI	62/291634		US		
6311	GEO-BASED COLLISION AVOIDANCE FOR V2V COMMUNICATION	62/291839		US		
6312	SRS RELATED DESIGN CONSIDERATIONS TO SUPPORT UL ACCESS FOR ELAA	62/291840		US		
6313	RX-TX TIME DIFFERENCE REPORT IN TDD SYSTEMS	62/292724		US		
6314	RRC CONNECTION RE-ESTABLISHMENT AND RECOVERY PROCEDURE UPON RLF FOR MULTIFIRE NETWORK IN NEUTRAL HOST MODE	62/293281		US		
6315	SPREADING OPTIONS FOR NON-ORTHOGONAL MULTIPLE ACCESS	62/293285		US		
6316	SCHEDULING REQUEST DESIGN FOR STANDALONE DEPLOYMENT IN MMWAVE SYSTEM	62/294095		US		
6317	APPARATUSES AND METHODS TO REDUCE HANDOVER INTERRUPTION TIME	62/294618		US		
6318	USER EQUIPMENT PROCEDURES FOR REDUCING HANDOVER INTERRUPTION TIME	62/294623		US		
6319	SOURCE ENB HANDLING TO REDUCE HANDOVER INTERRUPTION TIME	62/294858		US		
6320	SIGNALING FOR ENHANCED MEASUREMENT GAP FOR SYNCHRONOUS NETWORK	62/294862		US		
6321	SUPPORTING SPS IN SHORT TTI COEXISTENCE SCENARIOS	62/294866		US		
6322	SIGNALING FOR PER-CC BASED ENHANCED MEASUREMENT GAP CONFIGURATION	62/294867		US		

SCHEDULE A

No.	TITLE	Filing Number	Publication Number	Jurisdiction	Filing Date	Publication Date
6323	A MULTIPLEXING SCHEME FOR UPLINK CONTROL INFORMATION AND DATA ON 5G PUSCH	62/295927		US		
6324	SYSTEMS AND METHOD FOR CSI-RS	62/297040		US		
6325	PBCH TRANSMISSION INSIDE AND OUTSIDE DTXW AND THE CORRESPONDING UE BEHAVIOR IN MULTIFIRE SYSTEMS	62/297411		US		
6326	UPLINK CONTROL INFORMATION REPORT	62/297414		US		
6327	NEW CHANNEL CODING SCHEME FOR UCI ON XPUSCH	62/297781		US		
6328	RESOURCE ALLOCATION AND INDICATION TO ACHIEVE UPLINK INTERFERENCE RANDOMIZATION FOR UNLICENSED OPERATION	62/298299		US		
6329	UCI CHANNEL CODING ON XPUCCH	62/299457		US		
6330	PHYSICAL UPLINK CONTROL CHANNEL FORMATS FOR 5G	62/299458		US		
6331	CQI REPORTING WITHIN XPUCCH	62/299922		US		
6332	BRRS CONFIGURATION	62/299924		US		
6333	BEAM INFORMATION AND CSI REPORT	62/299947		US		
6334	SYNCHRONOUS BEAM SWITCHING	62/299949		US		
6335	DOWNLINK CONTROL INFORMATION SIGNALING FOR NON-SCHEDULED UPLINK TRANSMISSION OVER UNLICENSED SPECTRUM	62/299972		US		
6336	PUSCH DETECTION AND UE IDENTIFICATION FOR NON-SCHEDULED MODE IN MULTIFIRE/ELAA SYSTEMS	62/299995		US		
6337	5G/LTE-WEARABLES PHYSICAL LAYER PROTOCOL FRAMEWORK	62/300332		US		
6338	5G/LTE-WEARABLES PHYSICAL LAYER PROTOCOL FRAMEWORK	62/300335		US		
6339	PHYSICAL UPLINK CONTROL CHANNEL PROCEDURES	62/300628		US		
6340	POWER CONTROL FOR 5G BEAMFORMED SYSTEMS	62/300686		US		
6341	SELF-CONTAINED TDD FRAME STRUCTURE AND DL-UL CONFIGURATION IN 5G SYSTEM	62/302020		US		
6342	BEAMFORMED PHYSICAL DOWNLINK CONTROL CHANNEL FOR GUARD INTERVAL OR ZERO TAIL DFT SPREAD OFDM SYSTEMS	62/306903		US		
6343	TRANSMISSION SCHEME AND INTER-CELL INTERFERENCE MITIGATION FOR 5G SIB	62/307204		US		
6344	AIR INTERFACE RESOURCE UTILIZATION TECHNIQUES FOR WIRELESS COMMUNICATION NETWORKS	62/308173		US		
6345	DISCONTINUOUS DOWNLINK TRANSMISSIONS FOR MASSIVE MACHINE TYPE COMMUNICATIONS	62/308688		US		

SCHEDULE A

No.	TITLE	Filing Number	Publication Number	Jurisdiction	Filing Date	Publication Date
6346	ENABLING CO-EXISTENCE OF AUTONOMOUS UPLINK TRANSMISSION WITH SCHEDULED TRANSMISSION AT ENB	62/311698		US		
6347	RLF HANDLING IN 5G NETWORKS	62/312307		US		
6348	LTE WLAN AGGREGATION UL BEARER SPLIT	62/312337		US		
6349	EXTENDED SYNCHRONIZATION SIGNAL DESIGN FOR SYMBOL INDEX IN 5G	62/312340		US		
6350	PERFORMANCE MEASUREMENTS JOB OPERATIONS	62/312344		US		
6351	DATA TRANSMISSION USING AN ADAPTIVE TRANSMISSION TIME INTERVAL STRUCTURE IN A WIRELESS COMMUNICATION SYSTEM	62/313612		US		
6352	CENTRALIZED VERSUS DECENTRALIZED COMMUNICATION MODES FOR V2X SERVICES	62/314196		US		
6353	SCRAMBLING SEQUENCE GENERATION AND CARRYING FRAME BOUNDARY INFORMATION FOR XPBCH	62/314244		US		
6354	60GHZ-LWA SUPPORT UE CAPABILITY MEASUREMENT BAND INDICATOR	62/314246		US		
6355	HIGHER ORDER MODULATION IN WIRELESS SYSTEM	62/314250		US		
6356	TRIGGER FOR ATTACH -TAU IN CASE OF PENDING IMS CALL REQUEST FROM USER IN LTE/UMTS	62/314271		US		
6357	NETWORK-ASSISTED MOBILITY STATUS INDICATION AND TRACKING FOR HIGH SPEED TRAIN SCENARIOS	62/316731		US		
6358	CSI FEEDBACK FOR OPEN LOOP FD-MIMO SYSTEMS	62/317206		US		
6359	DUAL BEAM OPERATION FOR MOBILITY IN MOBILE NETWORKS	62/317329		US		
6360	UE SUPPORT MODE AND ID SUPPORT FOR 5G	62/317349		US		
6361	PAGING DESIGN FOR STAND-ALONE BEAMFORMED SYSTEM	62/318057		US		
6362	SIGNALING FOR FLEXIBLE UL/DL FRAME STRUCTURE IN MULTIFIRE SYSTEMS	62/318622		US		
6363	MOBILE EDGE COMPUTING (MEC) SUPPORT FOR V2X SERVICES	62/318623		US		
6364	LOW LATENCY PRACH DESIGN FOR LARGE MULTIFIRE CELLS	62/322440		US		
6365	OPTIMIZED UL GRANT TRANSMISSION FOR ENABLING MULTI-SUBFRAME SCHEDULING	62/323102		US		
6366	ENHANCEMENT OF UPLINK CONTROL INFORMATION ON XPUCCH	62/329753		US		
6367	CONTROL AND USER PLANE SIMULTANEOUS OPERATION AND SWITCHING FOR CELLULAR INTERNET OF THINGS (CIOT)	62/329912		US		

SCHEDULE A

No.	TITLE	Filing Number	Publication Number	Jurisdiction	Filing Date	Publication Date
6368	MULTI-CARRIER OPERATION WITH MULTIPLE ANCHOR CARRIERS IN NB-IOT	62/330660		US		
6369	PDSCH TRANSMISSION ROBUST TO PUNCTURING BASED MULTIPLEXING	62/331773		US		
6370	DUAL BEAM TRANSMISSION AND NOVEL ACK/NACK FEEDBACK MECHANISM FOR 5G PUCCH	62/332985		US		
6371	EXTENDED PHYSICAL BROADCAST CHANNEL DESIGN FOR 5G STANDALONE SYSTEM	62/333701		US		
6372	NON-ADAPTIVE HARQ RETRANSMISSION IN UL SPS RESOURCES	62/335178		US		
6373	MECHANISMS TO INCREASE SPECTRAL CAPACITY OF ENHANCED MULTIMEDIA BROADCAST MULTICAST SYSTEM CELLS WHEN DEPLOYED ON SUPPLEMENTARY DOWNLINK CARRIERS	62/335504		US		
6374	RAN and CN level tracking in cellular wireless systems	62/335537		US		
6375	RACH-LESS HANDOVER TO SMALL CELL ONLY	62/335925		US		
6376	AVOIDING DISCARD OF CRITICAL VIDEO DATA IN MODEM LONG TERM EVOLUTION STACK	62/335946		US		
6377	MECHANISMS FOR AVOIDANCE OF EXPLICIT QUALITY OF SERVICE SIGNALING OVER THE RADIO INTERFACE	62/336424		US		
6378	TRANSPORT CHANNEL TO PHYSICAL CHANNEL MAPPING FOR WIRELESS COMMUNICATIONS SYSTEMS WITH SCALABLE TRANSMISSION TIME INTERVALS	62/336464		US		
6379	TESTING FOR PAUSE WITHIN TRANSMIT OPPORTUNITY IN UNLICENSED BANDS	62/346159		US		
6380	SCHEDULING REQUEST TRANSMISSION	62/347967		US		
6381	CSI AND BEAM RELATED INFORMATION REPORTING	62/350545		US		
6382	Decoding in narrowband internet of things (NB-IoT) and machine type communications (MTC)	62/352373		US		
6383	END-TO-END METHOD TO COLLECT PM DATA FROM THE NFV INFRASTRUCTURE	62/352446		US		
6384	END-TO-END METHOD TO CREATE A PM THRESHOLD AT NFV INFRASTRUCTURE	62/352449		US		
6385	UPLINK SOUNDING REFERENCE SIGNAL TRANSMISSION IN CARRIER AGGREGATION SYSTEM	62/353375		US		
6386	IMPLEMENTING LIFECYCLE MANAGEMENT IN NFV	62/353976		US		

SCHEDULE A

No.	TITLE	Filing Number	Publication Number	Jurisdiction	Filing Date	Publication Date
6387	MECHANISMS ON EARLY ACKNOWLEDGEMENT FEEDBACK FOR GROUPED TRANSMISSION FOR 5G SYSTEMS	62/356196		US		
6388	OPTIMISED PAGING MECHANISM FOR IMS	62/357043		US		
6389	AUTHORIZE AND DYNAMICALLY ENABLE/DISABLE ENHANCED COVERAGE FUNCTIONALITY	62/357169		US		
6390	ELWA ENHANCEMENTS FOR TRI-BAND (24GHZ 5GHZ AND 60GHZ) WI-FI EQUIPMENT	62/364707		US		
6391	EMPLOYING DATA COMMUNICATION OVER SHORTENING TTI	62/366862		US		
6392	EFFICIENT TESTING OF BACKOFF (IDLE TIME) IMPLEMENTATION	62/368527		US		
6393	SYSTEM AND METHOD TO COLLECT THE VNF PERFORMANCE MEASUREMENTS RELATED TO VIRTUALIZED RESOURCES	62/368824		US		
6394	MAKE BEFORE BREAK AND RANDOM ACCESS PROCEDURE-LESS HANDOVER SIGNALING	62/371433		US		
6395	CSI-RS BANDWIDTH CONFIGURATION FOR 5G SYSTEM	62/372168		US		
6396	CONTROL CHANNEL TRANSMISSION IN NEW RADIO ACCESS TECHNOLOGIES USING COMMON SEARCH SPACE	62/372481		US		
6397	X2 SUPPORT FOR EMOB FEATURE	62/372501		US		
6398	ENHANCED XPRACH TRANSMISSION IN NR	62/372660		US		
6399	ELWA X2 AND XW SUPPORT FOR HANDOVER WITHOUT WT CHANGE	62/372913		US		
6400	BUFFER STATUS REPORTING PROCEDURES FOR NR	62/372915		US		
6401	RELEASE-14 FTM ENHANCEMENTS	62/373197		US		
6402	MEASUREMENT GAP ENHANCEMENT IN NEW RADIO ACCESS TECHNOLOGY	62/373742		US		
6403	SUPPORT OF RANDOM ACCESS IN NON-ANCHOR CARRIER	62/373894		US		
6404	MULTIPLE MEDIUM ACCESS CONTROL ENTITIES PER USER EQUIPMENT	62/374623		US		
6405	LONG TERM EVOLUTION AND NEW RADIO ACCESS TECHNOLOGY TIGHT INTERWORKING RADIO RESOURCE CONTROL COORDINATION FOR INDEPENDENT EVOLUTION	62/374631		US		
6406	SUPPORT FOR SINGLE CELL-POINT TO MULTIPOINT-BASED MULTICASTING FOR BANDWIDTH REDUCED LOW COMPLEXITY AND COVERAGE ENHANCED USER EQUIPMENT AND FOR NARROWBAND INTERNET OF THINGS USER EQUIPMENT	62/374632		US		

SCHEDULE A

No.	TITLE	Filing Number	Publication Number	Jurisdiction	Filing Date	Publication Date
6407	METHODS AND SYSTEMS OF USING MANAGED OBJECT OPERATION TO CONTROL LIFECYCLE MANAGEMENT OPERATION	62/376126		US		
6408	FILTERING FOR MEASUREMENT IN FIFTH GENERATION NETWORKS	62/377295		US		
6409	UPLINK MULTI-CARRIER LBT FOR LTE ELAA	62/378052		US		
6410	Network assisted signaling for high speed scenarios detection	62/378060		US		
6411	MULTIPLE USER SUPERPOSITION TRANSMISSION UE BEHAVIORS AND NETWORK SIGNALLINGS	62/378550		US		
6412	DOWNLINK CONTROL CHANNEL FOR BEAMFORMING SYSTEMS	62/395281		US		
6413	LWIP-SEGW-ENB-INTERFACE	62/398210		US		
6414	CONFIGURATION OF LIGHT CONNECTION FOR 3GPP SYSTEM	62/399969		US		
6415	SUPPORT OF FREQUENCY HOPPING WITH DIFFERENT NUMBER OF PHYSICAL RESOURCE BLOCKS (PRBS) IN EACH HOPPED FREQUENCY REGION	62/401538		US		
6416	FREQUENCY HOPPING FOR UNLICENSED INTERNET OF THINGS	62/401704		US		
6417	AT COMMANDS FOR CIOT RATE CONTROL	62/401710		US		
6418	METHOD OF APERIODIC CSI-RS AND CSI-IM INDICATION FOR NR	62/401722		US		
6419	MECHANISM OF ENHANCED CELL IDENTIFIER POSITIONING	62/401749		US		
6420	REPETITION LEVEL FEEDBACK FOR ENHANCED MACHINE TYPE COMMUNICATION (FEMTC) AND NARROW BAND INTERNET OF THINGS (ENB-IOT)	62/402154		US		
6421	HANDLING OF UPLINK GRANT SPECIFIC TO A SERVICE VERTICAL OR PHY CONFIGURATION FOR UES IN 5G NR	62/402335		US		
6422	UE CAPABILITIES FOR LATENCY REDUCTION	62/402353		US		
6423	MECHANISM TO PREVENT CORE NETWORK OVERLOAD FOR CONTROL PLANE EPS CIOT OPTIMIZATION	62/402515		US		
6424	CONFIGURATION OF DISCONTINUOUS RECEPTION (DRX) IN LIGHT CONNECTION	62/402847		US		
6425	COMMUNICATION OF QOS MAPPING	62/402870		US		
6426	ELWA UE CAPABILITIES FOR ELWA	62/402939		US		
6427	PDCPRLC HANDLING FOR PDCP OUT-OF-HFN DELIVERY IN DC SPLIT BEARER	62/402978		US		
6428	UPLINK POSITIONING FOR NARROW BAND IOT	62/403400		US		
6429	MULTIPLE RADIO RESOURCE RESERVATION FOR V2V COMMUNICATION	62/405556		US		

SCHEDULE A

No.	TITLE	Filing Number	Publication Number	Jurisdiction	Filing Date	Publication Date
6430	MECHANISMS ON ADAPTIVE CODE BLOCK HARQ-ACK FEEDBACK FOR NR	62/406206		US		
6431	MECHANISMS ON MULTIPLEXING OF PUCCH AND PUSCH/SRS IN NR	62/414474		US		
6432	UE BEHAVIOR DURING SRS SWITCHING AMONG TDD COMPONENT CARRIERS	62/415087		US		
6433	DOWNLINK CONTROL INFORMATION DESIGN FOR WIRELESS COMMUNICATION WITH SHORTEN TTI LENGTH	62/416011		US		
6434	AVOIDANCE OF HFN DESYNCHRONIZATION IN UPLINK OVER WLAN IN LTE-WLAN AGGREGATION	62/416013		US		
6435	ENHANCED LWIP (ELWIP) USER PLANE NETWORK INTERFACE	62/416532		US		
6436	UPLINK CONTROL CHANNEL WITH SHORT AND LONG DURATION FOR NR	62/416621		US		
6437	LCM PARAMETERS MODELING FOR VNF INSTANTIATION TRIGGERED BY MO CREATION	62/416624		US		
6438	FULL-DIMENSION MULTIPLE INPUT MULTIPLE OUTPUT IN TRANSMISSION MODE 10	62/417692		US		
6439	REPORTING BAND RELATED CAPABILITIES TO CELLULAR NETWORKS	62/417698		US		
6440	BANDWIDTH CHANGE ON TARGET ENB UE PROCEDURE WHEN MAKE-BEFORE-BREAK IS CONFIGURED	62/417701		US		
6441	SIGNALING SUPPORT FOR NCSG FOR INTERRUPTION CONTROL	62/417702		US		
6442	MEASUREMENT REPORTING IN NEW RADIO	62/417917		US		
6443	ON THE MESSAGE 3 TRANSMISSION IN RANDOM ACCESS PROCEDURE FOR NR	62/418091		US		
6444	CRS AWARENESS IN OTDOA	62/418104		US		
6445	BI-CASTING CONFIGURATION IN NR	62/418133		US		
6446	SIGNALING TO SUPPORT REDUCED PROCESSING TIME	62/418137		US		
6447	CODEC RATE ADAPTION MECHANISMS FOR VOICE AND VIDEO	62/418138		US		
6448	DYNAMIC PROTOCOL STACK RESET AND SECURITY CONFIGURATION DURING HANDOVER IN NR	62/421858		US		
6449	HIGHER LAYER CONFIGURATION ON PHYSICAL LAYER RESOURCES FOR RRM	62/421864		US		
6450	STAGE 3 FOR PER CC MEASUREMENT GAP CONFIGURATION	62/421869		US		
6451	COVERAGE ENHANCEMENT FOR U-IOT	62/423039		US		
6452	5G MMWAVE WIRELESS REMOTE RADIO HEAD SYSTEM	62/424108		US		

SCHEDULE A

No.	TITLE	Filing Number	Publication Number	Jurisdiction	Filing Date	Publication Date
6453	LEVEL INTEGRATION USING IPSEC (LWIP) PACKET ACKNOWLEDGMENT USING GENERIC ROUTING ENCAPSULATION (GRE) HEADER	62/429515		US		
6454	COLLECTING VIRTUAL CPU PERFORMANCE MEASUREMENT IN NFV INFRASTRUCTURE	62/430188		US		
6455	ADVANCED CONTROL CHANNEL FOR COVERAGE ENHANCEMENT	62/430190		US		
6456	LTE VEHICULAR POSITIONING	62/430211		US		
6457	AUTONOMOUS UCI TRANSMISSIONUPDATED	62/431296		US		
6458	UE BEHAVIORS FOR SEMI-PERSISTENT CSI-RS TRANSMISSION AND CSI REPORTING	62/432432		US		
6459	REPORTING MECHANISM FOR UE CAPABILITY OF BAND BEAM AND NUMEROLOGY	62/436300		US		
6460	DATA FORWARDING FOR DATA RADIO BEARERS DURING HANDOVER	62/436900		US		
6461	MOBILITY SIGNALING OPTIMIZATION IN INACTIVE STATE	62/436902		US		
6462	Measurement based on PSS/SSS only per cell	62/436911		US		
6463	MECHANISMS FOR CONTROL PLANE OVERLOAD PROTECTION FOR CP CIOT DATA TRANSFERS	62/439763		US		
6464	PRECODING OF PHASE TRACKING REFERENCE SIGNAL	62/440987		US		
6465	MEASUREMENT OF BEAM REFINEMENT SIGNAL TECHNIQUES AND APPARATUS	62/442871		US		
6466	INSTANTIATION OF PHYSICAL AND VIRTUALIZED NETWORK FUNCTIONS FORMING A GNB	62/442876		US		
6467	TRANSMISSION SCHEME FOR COMMON CONTROL MESSAGE WITH MULTI-BEAM OPERATION	62/443116		US		
6468	INTERFERENCE AVOIDANCE BETWEEN DIFFERENT NODES	62/443118		US		
6469	GENERATING VIRTUALIZED RESOURCE PERFORMANCE ALARM FROM THRESHOLD CROSSING NOTIFICATION	62/443253		US		
6470	MEASUREMENT JOB SUSPENSION AND RESUME IN NFV	62/443256		US		
6471	LOW OVERHEAD SUBBAND-CONTAINED PHYSICAL DL CONTROL	62/443272		US		
6472	ACCESS CONTROL FOR NEW RADIO	62/443342		US		
6473	BASELINE MEASUREMENT CONFIGURATIONS OF UE RF CHARACTERISTICS FOR THE NEW RADIO STANDARD	62/443420		US		
6474	MEASUREMENT EVENTS FOR XSS AND XRS	62/443524		US		
6475	UL BANDWIDTH ADAPTATION AND MULTI-SUBBAND OPERATION IN NR	62/444195		US		

SCHEDULE A

No.	TITLE	Filing Number	Publication Number	Jurisdiction	Filing Date	Publication Date
6476	CSI-RS STRUCTURE FOR INITIAL BEAM ACQUISITION	62/444197		US		
6477	BANDWIDTH ADAPTATION FOR WIRELESS COMMUNICATION SYSTEM	62/444198		US		
6478	RESTRICTIONS FOR COVERAGE ENHANCEMENTS FOR CIOT DEVICES	62/444200		US		
6479	TRANSMISSION STRUCTURE OF SYNCHRONIZATION SIGNALS	62/444248		US		
6480	LPP BASED POSITIONING IN IDLE MODE	62/447138		US		
6481	LTE ADVERTISE AVAILABILITY OF 5G NETWORK TO THE UE	62/448146		US		
6482	ELWA/LWIP ACTIONS UPON WLAN DISCONNECT	62/451423		US		
6483	FAKE GNB/ENB DETECTION USING IDENTITY BASED AUTHENTICATION AND ENCRYPTION	62/452245		US		
6484	POSITIONING ENHANCEMENTS FOR NARROWBAND INTERNET OF THINGS DEVICES	62/453968		US		
6485	POWER HEADROOM REPORTING FOR SHORTENED TTI AND PROCESSING TIME REDUCTION	62/453973		US		
6486	SOLUTION TO AVOID OR MINIMIZE THE POSSIBILITY OF SRVCC HO IN POOR RADIO COVERAGE IN EPS	62/453974		US		
6487	ENHANCEMENT TO DIAMETER BASED INTERFACES TO ENABLE RESTRICTION OF COVERAGE ENHANCEMENT IN 3GPP SYSTEMS	62/453976		US		
6488	PER-COMPONENT CARRIER MEASUREMENT GAP AND NETWORK CONTROLLED SMALL GAP SIGNALING	62/453978		US		
6489	RADIO RESOURCE MANAGEMENT (RRM) REQUIREMENT FOR BANDWIDTH ADAPTATION (BWA)	62/454457		US		
6490	WIDEBAND MEASUREMENT IN NR SYSTEMS	62/454569		US		
6491	NETWORK CONTROLLED SMALL GAP CONFIGURATION MECHANISM FOR CARRIER AGGREGATION AND DUAL CONNECTIVITY	62/454571		US		
6492	DOWNLINK (DL) CONTROL AND DATA CHANNEL WITH DIFFERENT NUMEROLOGIES IN NEW RADIO (NR)	62/454665		US		
6493	FAIR USE OF UPLINK RESOURCES BY DIVERSE POWER CLASSES IN LTE	62/454670		US		
6494	NEW RSRP AND RSSI METRIC AND DEFINITION	62/454672		US		
6495	QOS BEARER MAPPING OVERRIDE BIT	62/454675		US		
6496	NETWORK RESOURCE MODEL NEEDED TO SUPPORT GNB IN NEW RAN	62/455210		US		

SCHEDULE A

No.	TITLE	Filing Number	Publication Number	Jurisdiction	Filing Date	Publication Date
6497	RETRANSMISSION FOR CODE BLOCK GROUP BASED HYBRID AUTOMATIC REPEAT REQUEST - ACKNOWLEDGEMENT (HARQ-ACK) OPERATION FOR NEW RADIO (NR)	62/455214		US		
6498	SOLUTION TO AVOID OR MINIMIZE THE POSSIBILITY OF SRVCC HO IN POOR RADIO COVERAGE IN EPS	62/455224		US		
6499	DOWNLINK CONTROL SIGNALING SEGMENTATION	62/455441		US		
6500	METHOD AND/OR APPARATUS OF OR FOR TIMING DIFFERENCE BETWEEN PRIMARY CELL AND SECONDARY CELL FOR SHORTENED TRANSITION TIME INTERVAL	62/455475		US		
6501	NAS IMPACTS OF LIGHT CONNECTION	62/455489		US		
6502	METHOD AND/OR APPARATUS OF OR FOR TIMING DIFFERENCE BETWEEN PRIMARY CELL AND SECONDARY CELL FOR SHORTENED TRANSMISSION TIME INTERVAL	62/456019		US		
6503	COLLECTION OF NETWORK FUNCTIONS VIRTUALIZATION INFRASTRUCTURE (NFVI) RESOURCE USAGE METRICS BASED ON OPENSTACK TELEMETRY SERVICE	62/457591		US		
6504	COVERAGE ENHANCEMENT (CE) MODEM B AND VOICE OVER LONG TERM EVOLUTION (VOLTE)	62/457598		US		
6505	NFREQEFF REPORTING FOR RRM ENHANCEMENT	62/458427		US		
6506	POWER SAVING FOR SYSTEM INFORMATION ACQUISITION	62/459369		US		
6507	ROUTER ADVERTISEMENT IN MULTI-HOMED IPV6 DATA SESSIONS	62/464226		US		
6508	HIGH SPEED TRAIN IN NEW RADIO (NR)	62/466882		US		
6509	COORDINATION OF RADIO TECHNOLOGY FOR DEVICE-TO-DEVICE (D2D) DISCOVERY	62/470079		US		
6510	MEASUREMENT GAP PER FREQUENCY AND PER CELL	62/471235		US		
6511	METHODS AND SYSTEMS FOR INSTANTIATING AND CONNECTING RADIO ACCESS NETWORK VIRTUALIZED NETWORK FUNCTION AND CORE NETWORK VIRTUALIZED NETWORK FUNCTION	62/471238		US		
6512	INSTANTIATION OF A VIRTUAL NETWORK FUNCTION (VNF) AS PART OF A GNODEB (GNB)	62/471256		US		
6513	SUPPORTING SON FUNCTIONS ON NETWORK SLICE INSTANCES	62/472220		US		
6514	DYNAMIC RANDOM ACCESS CHANNEL (RACH) FOR HANDOVER (HO)	62/473117		US		

SCHEDULE A

No.	TITLE	Filing Number	Publication Number	Jurisdiction	Filing Date	Publication Date
6515	HANDLING UES CE MODE B RADIO CAPABILITY MISMATCH DUE TO CHANGE IN UES USAGE SETTING	62/473917		US		
6516	DOWNLINK (DL) AND UPLINK (UL) DATA SCHEDULING AND HYBRID AUTOMATIC REPEAT REQUEST (HARQ) TIMING FOR NEW RADIO (NR)	62/475054		US		
6517	APPARATUS AND METHOD FOR HARQ OPERATION WITH TTI TYPES SWITCHING	62/475460		US		
6518	RADIO LINK MONITORING BEAM RECOVERY AND RADIO LINK FAILURE HANDLING	62/475692		US		
6519	SUPPORT OF 64 QUADRATURE AMPLITUDE MODULATION (QAM) FOR EVEN FURTHER ENHANCED MACHINE TYPE COMMUNICATION (EFEMTC) UNICAST PHYSICAL DOWNLINK SHARED CHANNEL (PDSCH)	62/476039		US		
6520	EXPIRATION HANDLING OF TWO-STAGE GRANT VALIDITY DURATION METHOD AND APPARATUS	62/476058		US		
6521	LOW OVERHEAD TRACKING REFERENCE SIGNAL DESIGN FOR NR	62/476081		US		
6522	RRM INTERRUPTION REQUIREMENTS FOR WIDER BANDWIDTH IN NR	62/476103		US		
6523	USER EQUIPMENT TRANSMIT TIMING ADJUSTMENT FOR NEW RADIO	62/476420		US		
6524	DOWNLINK CONTROL INFORMATION TO SUPPORT UL PARTIAL SUBFRAME TRANSMISSION ON LAA SCELL	62/476586		US		
6525	AUTONOMOUS UPLINK GRANT (SIGNALING ASPECT)	62/478439		US		
6526	UPLINK (UL) GRANTS INDICATING DIFFERENT PHYSICAL UPLINK SHARED CHANNEL (PUSCH) STARTING POSITIONS IN THE SAME SUBFRAME	62/478448		US		
6527	INCREASED SECURITY FOR PAGING MESSAGES IN FOURTH GENERATION (4G) AND FIFTH GENERATION (5G)	62/478935		US		
6528	BEAM MANAGEMENT PROCEDURE CONFIGURATION	62/480098		US		
6529	DESIGN AND APPARATUS FOR CPDCCH FOR WIDEBAND COVERAGE ENHANCEMENT (WCE)	62/480100		US		
6530	UE CAPABILITY INDICATION TO POSITIONING SERVER	62/480980		US		
6531	COLLECTION OF NETWORK FUNCTIONS VIRTUALIZATION INFRASTRUCTURE (NFVI) PERFORMANCE METRICS	62/489075		US		
6532	MULTEFIRE ARCHITECTURE FOR CELLULAR INTERNET OF THINGS (CIOT)	62/489081		US		

SCHEDULE A

No.	TITLE	Filing Number	Publication Number	Jurisdiction	Filing Date	Publication Date
6533	CONNECTING CENTRALIZED UNIT (CU) AND DISTRIBUTED UNIT (DU) IN THE VIRTUALIZED RADIO ACCESS NETWORK (RAN)	62/489741		US		
6534	SHARING NETWORK SLICE RELATED MANAGEMENT DATA TO CUSTOMERS	62/491112		US		
6535	AERIAL VEHICLE (DRONE) INTERFERENCE CONTROL SIGNALING AND CAPABILITY	62/502389		US		
6536	ABSOLUTE POWER CONTROL TOLERANCE FOR NB-IOT/MTC	62/502532		US		
6537	AUTONOMOUS UPLINK GRANT (SIGNALING ASPECT)	62/504228		US		
6538	HANDLING OF USER EQUIPMENTS (UES) COVERAGE ENHANCEMENT (CE) MODE B RADIO CAPABILITY MISMATCH DUE TO CHANGE IN UES USAGE SETTING	62/505520		US		
6539	MEASUREMENT DESIGN FOR NEXT RADIO (NR) AND LONG TERM EVOLUTION (LTE)	62/505526		US		
6540	PER USER EQUIPMENT (UE) NETWORK CONTROLLED SMALL GAP (NCSG) SIGNALING WITHOUT PER CC INDICATION	62/506845		US		
6541	PUBLIC LAND MOBILE NETWORK (PLMN) SELECTION ENHANCEMENTS FOR COVERAGE ENHANCEMENT	62/511796		US		
6542	BEAMFORMED MEASUREMENT FOR NEW RADIO (NR)	62/514516		US		
6543	FALLBACK TO EVOLVED PACKET SYSTEM	62/518846		US		
6544	HANDLING MULTIPLE SR CONFIGURATIONS AND CORRESPONDING UL GRANTS	62/520920		US		
6545	PHYSICAL RESOURCE BLOCK INDEXING FOR COEXISTENCE OF NARROW BAND CARRIER AGGREGATION AND WIDE BAND USER EQUIPMENT IN NEW RADIO	62/521105		US		
6546	MECHANISMS TO ENABLE INACTIVE AND DUAL CONNECTIVITY INTERACTION	62/521186		US		
6547	STAGE-3 FOR NG-C PERSISTENCE CONTROL OF UE-SPECIFIC RAN-CN ASSOCIATIONS	62/521954		US		
6548	ACCESS CONTROL FOR USER EQUIPMENT WITH COVERAGE ENHANCEMENT LEVEL SUPPORT METHOD APPARATUS AND SYSTEM	62/523384		US		
6549	HANDLING OF TIMER EXPIRY FOR MT CSFB	62/526868		US		
6550	MULTIRADIO INTERFACE FOR SOFTWARE RECONFIGURATION	62/535581		US		
6551	TECHNOLOGIES FOR SCRAMBLING BROADCAST CHANNEL	62/537611		US		

SCHEDULE A

No.	TITLE	Filing Number	Publication Number	Jurisdiction	Filing Date	Publication Date
6552	SOLUTION FOR SESSION MANAGEMENT FUNCTION TO ESTABLISH DATA FORWARDING TUNNEL BETWEEN TWO USER PLANE FUNCTIONS IN FIFTH GENERATION SYSTEMS	62/541589		US		
6553	HANDOVER FOR UNMANNED AERIAL VEHICLES	62/542153		US		
6554	NEW QUALITY BASED MEASUREMENT DEFINITION FOR NEW RADIO SYSTEMS	62/542699		US		
6555	MEASUREMENT GAP GROUPS FOR NEW RADIO (NR)	62/543711		US		
6556	RANDOM ACCESS CHANNEL PROCEDURE IN NEW RADIO SYSTEMS DURING HANDOVER	62/543868		US		
6557	CRITICAL DATA HANDLING ENHANCEMENTS FOR VIDEO AND OTHER APPLICATIONS	62/544626		US		
6558	MEASUREMENT GAP COORDINATION OVER XN INTERFACE	62/545238		US		
6559	USER EQUIPMENT-ASSISTED MEASUREMENT GAP CONFIGURATION IN NEW RADIO	62/561424		US		
6560	PRODUCING CONNECTION POINT RELATED PERFORMANCE MEASUREMENTS IN NETWORK FUNCTION VIRTUALIZATION ENVIRONMENTS	62/562021		US		
6561	POWER HEADROOM OF GRANTLESS UPLINK	62/562796		US		
6562	BEAM SPECIFIC POWER CONTROL	62/563467		US		
6563	BANDWIDTH PART RADIO RESOURCE CONTROL SIGNALING AND MEASUREMENT HANDLING	62/564787		US		
6564	MULTIPLE SR CONFIGURATIONS DRX AND BSR HANDLING IN MULTIPLE CONFIGURED BWPS AND CA	62/564870		US		
6565	SCHEDULING INFORMATION OF SIB1-BR FOR SKIPPING MIB DURING HO	62/564872		US		
6566	ACTIVATION OF SECONDARY CELL CONTAINING BANDWIDTH PARTS	62/564973		US		
6567	MULTIPLE TRANSPORT NETWORK LAYER (TNL) ASSOCIATIONS BETWEEN RADIO ACCESS NETWORK (RAN) AND ACCESS AND MOBILITY MANAGEMENT FUNCTION (AMF) FOR VIRTUALIZED DEPLOYMENTS FOR STAGE-3 SUPPORT	62/566047		US		
6568	MANAGING LTE-WIRELESS LOCAL AREA NETWORK AGGREGATION AND LTE-WIRELESS LOCAL AREA NETWORK WITH IPSEC TUNNEL	62/568209		US		
6569	DEVICE REQUESTED PROTOCOL DATA UNIT SESSION MODIFICATION IN THE 5G SYSTEM	62/571671		US		

SCHEDULE A

No.	TITLE	Filing Number	Publication Number	Jurisdiction	Filing Date	Publication Date
6570	RADIO LINK MONITORING (RLM) EVALUATION MECHANISM FOR NEW RADIO (NR) SYSTEMS	62/572326		US		
6571	COMMUNICATION DEVICE AND METHOD FOR RELEASING EMERGENCY PDN FOR A VOLTE EMERGENCY CALL WITHOUT EMERGENCY REGISTRATION AKA ANONYMOUS EMERGENCY CALL	62/572861		US		
6572	MULTI-CARRIER OPERATION FOR ENHANCED MACHINE TYPE COMMUNICATIONS IN UNLICENSED MEDIUM (EMTC-U)	62/574084		US		
6573	TIME OF ARRIVAL (TOA) BASED POSITIONING IN NEW RADIO (NR)	62/574313		US		
6574	FILTER COEFFICIENT CONFIGURATION FOR RADIO RESOURCE MANAGEMENT (RRM) IN NEW RADIO (NR) SYSTEMS	62/575281		US		
6575	MULTIPLE STREAM CONTROL TRANSMISSION PROTOCOL (SCTP) ASSOCIATIONS ON THE F1 INTERFACE	62/582839		US		
6576	S-MEASURE ON NEW RADIO (NR) SYNCHRONIZATION SIGNAL (SS) AND CHANNEL STATE INFORMATION REFERENCE SIGNAL (CSI-RS) IN NEW RADIO (NR) SYSTEMS	62/582844		US		
6577	RESOURCE USAGE OPTIMIZATIONS IN AUTOMATION SYSTEMS	62/586753		US		
6578	FLEXIBLE FLOW CONTROL MECHANISM FOR NEXT GENERATION RADIO ACCESS NETWORK INTERFACES	62/586764		US		
6579	SINGLE REGISTRATION MODE SUPPORT FOR INTERWORKING BETWEEN FIFTH GENERATION CORE NETWORK (5GC) AND EVOLVED PACKET CORE NETWORK (EPC)	62/588787		US		
6580	NEXT GENERATION (NG) - APPLICATION PROTOCOL (AP) PAGING PROCEDURE	62/616955		US		
6581	TRANSMISSION DOWNLINK CONTROL INFORMATION FOR NEW RADIO (NR) SYSTEM	62/617109		US		
6582	METHODS OF HANDLING SCHEDULING REQUESTS FOR ULTRA-RELIABLE LOW LATENCY COMMUNICATION SERVICES IN NEW RADIO	62/631322		US		
6583	COMMON AND USER EQUIPMENT (UE) SPECIFIC PHYSICAL UPLINK CONTROL CHANNEL (PUCCH) CONFIGURATION FOR ENHANCED MACHINE-TYPE COMMUNICATIONS (EMTC) SYSTEMS	62/639651		US		
6584	BEAM INDICATION IN CARRIER AGGREGATION	62/645043		US		
6585	INTER-CELL BEAM MANAGEMENT	62/646595		US		

SCHEDULE A

No.	TITLE	Filing Number	Publication Number	Jurisdiction	Filing Date	Publication Date
6586	PHYSICAL DOWNLINK CONTROL CHANNEL (PDCCH) BLIND DECODING IN FIFTH GENERATION (5G) NEW RADIO SYSTEMS	62/646597		US		
6587	Conformally Shielded Power Inductor and Other Passive Devices for 4/5G Envelope Tracker Modules and/or Other Power Management Modules	62/646675		US		
6588	TIMING ADVANCE FOR GRANTLESS UPLINK TRANSMISSION			US		
6589	COLLISION HANDLING OF REFERENCE SIGNALS			US		
6590	POWER RAMPING AND CONTROL IN NEW RADIO (NR) DEVICES			US		
6591	COLLISION HANDLING OF SYNCHRONIZATION SIGNAL (SS) BLOCKS			US		
6592	DEMODULATION REFERENCE SIGNAL FOR PHYSICAL BROADCAST CHANNEL IN NEW RADIO			US		
6593	PHASE TRACKING REFERENCE SIGNAL (PT-RS) CONFIGURATION			US		
6594	MULTIRADIO INTERFACE FOR SOFTWARE RECONFIGURATION			US		
6595	MULTEFIRE ARCHITECTURE SUPPORTING ACCESS CLASSES AND BARRING			US		
6596	SCRAMBLING OF PHYSICAL BROADCAST CHANNEL (PBCH)			US		
6597	CAMPING APPROACH IN MULTI-SIM USER EQUIPMENT WHEN PRESENT IN COVERAGE HOLES OF RESPECTIVE NETWORK OPERATORS			US		
6598	5G MMWAVE WIRELESS REMOTE RADIO HEAD SYSTEM			US		
6599	5G RAN1 SYSTEM AND METHOD FOR PHASE NOISE COMPENSATION FOR DIVERSITY BASED TRANSMISSION			US		
6600	USER EQUIPMENT AND METHODS FOR ADAPTING SYSTEM PARAMETERS BASED ON EXTENDED PAGING CYCLES			US		
6601	EARLY TTT TERMINATION			US		
6602	FRAME TIMING IN IMPROVEMENT PROCESS TO LPP OTDOA ASSISTANCE DATA SIGNALLING			US		
6603	DIGITAL TO ANALOG CONVERTER CIRCUITS APPARATUS AND METHOD FOR GENERATING A HIGH FREQUENCY TRANSMISSION SIGNAL AND METHODS OF DIGITAL TO ANALOG CONVERSION			US		
6604	METHODS AND APPARATUS OF EVOLVED NODE B AND USER EQUIPMENT FOR CAPABILITY INFORMATION SETTING			US		
6605	SYSTEM AND METHOD FOR TDD COMMUNICATIONS			US		

SCHEDULE A

No.	TITLE	Filing Number	Publication Number	Jurisdiction	Filing Date	Publication Date
6606	SIGNALING EXTENDED EARFCN AND E-UTRA BANDS IN UMTS NETWORKS			US		
6607	AIR INTERFACE SLICING ARCHITECTURE FOR WIRELESS COMMUNICATION SYSTEMS			US		
6608	SLICEABLE RADIO ACCESS NETWORK ARCHITECTURE FOR WIRELESS COMMUNICATIONS			US		
6609	SLICE-BASED OPERATION IN WIRELESS NETWORKS WITH END-TO-END NETWORK SLICING			US		
6610	EVOLVED NODE-B (ENB) USER EQUIPMENT (UE) AND METHODS FOR COMMUNICATION OF A CHANNEL RASTER FREQUENCY OFFSET			US		
6611	INTERFERENCE AID FREQUENCY OFFSET ESTIMATION FOR USER EQUIPMENT	PCT/CN2013/001513	WO2015/081458	WO		6/11/2015
6612	A SYSTEM AND METHOD FOR FREQUENCY CONTROL LOOP IN A MOBILE DEVICE WITH PLURALITY OF SIMS	PCT/CN2013/001633	WO2015/095986	WO		7/2/2015
6613	SYSTEM AND METHOD FOR ROBUST MU-MIMO CQI FEEDBACK IN LTE-A	PCT/CN2014/091012		WO		
6614	DISTRIBUTED PUCCH PHYSICAL RESOURCE BLOCK ALLOCATION	PCT/CN2015/077099		WO		
6615	SYSTEM AND METHOD FOR NON-CONTENTION BASED LOW	PCT/CN2015/079492		WO		
6616	REFERENCE SIGNAL POWER MEASUREMENT FILTERING	PCT/CN2015/082361	WO2016/206051	WO		12/29/2016
6617	USER EQUIPMENT AND CODEBOOK SEARCH METHOD FOR 4TX DUAL CODEBOOK (RAN1)	PCT/CN2015/082363	WO2016/206052	WO		12/29/2016
6618	INTER-BEAM MOBILITY CONTROL IN MASSIVE MIMO SYSTEM	PCT/CN2015/088210		WO		
6619	BEAM INTERPOLATION IN MASSIVE MIMO SYSTEM	PCT/CN2015/089626		WO		
6620	METHOD FOR PERFORMING MOBILE COMMUNICATIONS MOBILE TERMINAL DEVICE AND MOBILE BASEBAND PROCESSING CIRCUIT	PCT/CN2015/089905	WO2017/045188	WO		3/23/2017
6621	CIRCUIT ARRANGEMENT MOBILE DEVICE AND METHOD FOR AMPLIFYING A SIGNAL	PCT/CN2015/090662	WO2017/049563	WO		3/30/2017
6622	ROBUST MEASUREMENT AND DATA RECEIVING	PCT/CN2015/092921		WO		
6623	SERVING GATEWAY/PACKET GATEWAY USER PLANE INTERNET PROTOCOL ADDRESS AND TUNNEL ENDPOINT IDENTIFIER ALLOCATION	PCT/CN2015/094002		WO		
6624	DOWNLINK DATA HANDLING FOR IDLE MODE UE WHEN THE SGW IS SPLIT INTO CONTROL PLANE NODE AND USER PLANE NODE	PCT/CN2015/094005		WO		

SCHEDULE A

No.	TITLE	Filing Number	Publication Number	Jurisdiction	Filing Date	Publication Date
6625	SOLUTION ON DYNAMIC CONFIGURATION SUPPORT OF SPONSORED DATA CONNECTIVITY RULES	PCT/CN2015/094006		WO		
6626	EVENTS TO TRIGGER BRSRP REPORT	PCT/CN2015/096655		WO		
6627	RADIO COMMUNICATION DEVICE AND METHOD OF MOBILE RADIO CELL MEASUREMENT REPORTING	PCT/CN2015/097665	WO2017/101057	WO		6/22/2017
6628	DEVICE AND METHOD FOR DEVICE TO DEVICE COMMUNICATION	PCT/CN2015/098095	WO2017/107011	WO		6/29/2017
6629	SCHEDULING REQUEST IN MMWAVE SYSTEM	PCT/CN2015/100107		WO		
6630	CONTROL CHANNEL BEAM ASSUMPTION IN ANTENNA PORT SELECTION	PCT/CN2016/073104		WO		
6631	METHOD APPARATUS AND SYSTEM FOR BEAM ACQUISITION IN A WIRELESS SYSTEM	PCT/CN2016/073534	WO2017/132948	WO		8/10/2017
6632	ENABLING SECONDARY CELL IN MASSIVE MIMO SYSTEM	PCT/CN2016/075262		WO		
6633	METHOD APPARATUS AND SYSTEM FOR TRANSMISSION ACKNOWLEDGEMENT CONTROL IN A WIRELESS NETWORK	PCT/CN2016/077422	WO2017/161583	WO		9/28/2017
6634	APPARATUS AND METHOD FOR CONTROL SIGNALING OF CSI-RS	PCT/CN2016/077515	WO2017/166024	WO		10/5/2017
6635	BEAM REFINEMENT REFERENCE SIGNAL FRAME STRUCTURE	PCT/CN2016/077731		WO		
6636	BEAMFORMING ARCHITECTURE FOR MULTI-BEAM MULTIPLE-INPUT-MULTIPLE-OUTPUT (MIMO)	PCT/CN2016/078245	WO2017/166259	WO		10/5/2017
6637	METHOD APPARATUS AND SYSTEM FOR SPONSORED DATA CONNECTIVITY RELATED INFORMATION CONTROL AND TRANSMISSION IN A WIRELESS NETWORK	PCT/CN2016/078272	WO2017/075936	WO		5/11/2017
6638	METHOD APPRATUS AND STSTEM FOR REPORTING BEAM REFERENCE SIGNAL RECEIVING POWER	PCT/CN2016/078388	WO2017/067138	WO		4/27/2017
6639	CHANNEL STATE INFORMATION FEEDBACK CHANNEL	PCT/CN2016/078442	WO2017/063345	WO		4/20/2017
6640	A MULTIPLE BEAM MULTIPLEINPUT-MULTIPLE-OUTPUT SYSTEM	PCT/CN2016/078444	WO2017/173567	WO		10/12/2017
6641	SYSTEM AND METHOD FOR UPLINK SUBBAND BEAMFORMING	PCT/CN2016/079677	WO2017/181345	WO		10/26/2017
6642	CQI REPORTING FOR FLEXIBLE TRANSMISSION MODE SWITCHING	PCT/CN2016/084279	WO2017/206100	WO		12/7/2017
6643	SYSTEM AND METHOD FOR CONTROL CHANNEL BEAM ASSUMPTION	PCT/CN2016/087474	WO2017/133173	WO		8/10/2017
6644	COMMUNICATION DEVICE AND METHOD FOR SELECTING A BEAM DIRECTION	PCT/CN2016/088079	WO2018/000405	WO		1/4/2018
6645	INTRA-FREQUENCY AND INTER-FREQUENCY MEASUREMENT FOR NARROW BAND MACHINE-TYPE COMMUNICATION	PCT/CN2016/088121	WO2017/080229	WO		5/18/2017

SCHEDULE A

No.	TITLE	Filing Number	Publication Number	Jurisdiction	Filing Date	Publication Date
6646	DOWNLINK CONTROL INFORMATION (DCI) CONFIGURATION	PCT/CN2016/088361	WO2018/006237	WO		1/11/2018
6647	SYSTEM AND METHOD FOR CONFIGURABLE TRACKING REFERENCE SIGNAL	PCT/CN2016/093587		WO		
6648	USER EQUIPMENT BEAM REFINEMENT FOR CONTROL CHANNEL RECEPTION	PCT/CN2016/096021		WO		
6649	SYSTEM AND METHOD FOR BEAMED REFERENCE SIGNAL WITH HYBRID BEAM	PCT/CN2016/105053	WO2017/080436	WO		5/18/2017
6650	CONTROL SIGNALING OF UPLINK SUB-BAND PRECODING	PCT/CN2016/109647		WO		
6651	CONTROL SIGNALING FOR BEAM MANAGEMENT	PCT/CN2017/072940		WO		
6652	PHASE TRACKING REFERENCE SIGNAL (PT-RS) INDICATION IN MULTI-USER SUPERPOSITION TRANSMISSION (MUST)	PCT/CN2017/073928		WO		
6653	CROSS RETRANSMISSION BETWEEN GRANTLESS UPLINK (GUL) AND SCHEDULED UPLINK (SUL)	PCT/CN2017/076076		WO		
6654	NUMEROLOGY CONFIGURATION IN NON-COHERENT JOINT TRANSMISSION	PCT/CN2017/081406		WO		
6655	INTERFERENCE MEASUREMENT USING BEAM MANAGEMENT REFERENCE SIGNAL	PCT/CN2017/082730		WO		
6656	5G RAN1 System and Method for phase noise compensation for diversity based transmission	PCT/CN2017/083009		WO		
6657	5G RAN1 System and method for beam and radio link monitor	PCT/CN2017/084335		WO		
6658	FRAME STRUCTURE FOR UNLICENSED NARROW BAND INTERNET OF THINGS SYSTEM	PCT/CN2017/097039		WO		
6659	BEAMFORMING FOR DYNAMIC CELL SWITCHING	PCT/CN2017/097237	WO2018/028700	WO		2/15/2018
6660	Methods of Frequency Domain Intra-OFDM Symbol Multi RX-Beam Measurement and Dynamic RX Beam Sweeping for 5G NR mmWave	PCT/CN2017/119942	WO2019/127403	WO		7/4/2019
6661	UPLINK (UL) SUB-BAND TRANSMIT PRECODER MATRIX INDICATOR (TPMI) INDICATION	PCT/CN2018/071778		WO		
6662	BEAM INDICATION CONSIDERING BEAM FAILURE RECOVERY IN NEW RADIO (NR) SYSTEMS	PCT/CN2018/072385		WO		
6663	PHASE TRACKING REFERENCE SIGNAL (PT-RS) POWER BOOSTING	PCT/CN2018/072422		WO		
6664	UPLINK BEAM INDICATION IN NEW RADIO (NR) SYSTEMS	PCT/CN2018/072452		WO		
6665	BEAM INDICATION OF DEFAULT TRANSMISSION SCHEME	PCT/CN2018/075394		WO		
6666	BEAM MANAGEMENT FOR CARRIER AGGREGATION (CA)	PCT/CN2018/076918		WO		

SCHEDULE A

No.	TITLE	Filing Number	Publication Number	Jurisdiction	Filing Date	Publication Date
6667	REFERENCE SIGNAL FOR BEAM FAILURE DETECTION AND RADIO LINK MONITORING	PCT/CN2018/077014		WO		
6668	MulteFire RAN1 method and apparatus for cross retransmission between GUL and SUL	PCT/CN2018/078537	WO2018/161951	WO		9/13/2018
6669	PHYSICAL UPLINK CONTROL CHANNEL (PUCCH) AND PHYSICAL UPLINK SHARED CHANNEL (PUSCH) DEFAULT BEAM CONSIDERING BEAM FAILURE RECOVERY	PCT/CN2018/079452		WO		
6670	CONTENTION BASED BEAM FAILURE RECOVERY OPERATION IN NEW RADIO (NR) SYSTEMS	PCT/CN2018/079530		WO		
6671	5G RAN4 one RRM interruption requirements for the wider bandwidth in NR	PCT/CN2018/080252	WO2018/171730	WO		9/27/2018
6672	BANDWIDTH PART SWITCHING DURING BEAM FAILURE RECOVERY	PCT/CN2018/080636		WO		
6673	PHYSICAL DOWNLINK CONTROL CHANNEL (PDCCH) DEFAULT BEAM OPERATION IN NEW RADIO (NR) SYSTEMS	PCT/CN2018/081702		WO		
6674	A METHOD FOR BEAM FAILURE DETECTION IN NEW RADIO	PCT/CN2018/081938		WO		
6675	QUASI CO-LOCATION (QCL) indication for aperiodic TRACKING REFERENCE SIGNAL (TRS)	PCT/CN2018/082684		WO		
6676	5G RAN1 System and Method for numerology configuration in Non-Coherent Joint Transmission	PCT/CN2018/083870	WO2018/192566	WO		10/25/2018
6677	5G RAN1 A Method for Interference Measurement Using Beam Management Reference Signal	PCT/CN2018/085318	WO2018/202036	WO		11/8/2018
6678	5G RAN1 System and method for beam and radio link monitor	PCT/CN2018/086838	WO2018/210226	WO		11/22/2018
6679	MulteFire RAN1 Design of frame structure and configuration for eMTCU system	PCT/CN2018/090822	WO2018/228374	WO		12/20/2018
6680	A novel method to dynamically reduce TX power according to S-RSRP based path loss in V2X system	PCT/CN2018/096506		WO		
6681	5G RAN1 System and Method for Robust UL Codebook based Transmission	PCT/CN2018/097020	WO2019/020050	WO		1/31/2019
6682	5G RAN1 System and Method for Control Signaling of Uplink Open-Loop Transmission	PCT/CN2018/098959	WO2019/029480	WO		2/14/2019
6683	5G RAN1 System and Method for beam recovery without beam correspondence	PCT/CN2018/099641	WO2019/029626	WO		2/14/2019
6684	5G RAN1 System and Method for data and SS-block or CSI-RS transmission	PCT/CN2018/099672	WO2019/029631	WO		2/14/2019
6685	5G RAN1 System and Method for TRS configuration	PCT/CN2018/104791	WO2019/047945	WO		3/14/2019
6686	5G RAN1 A Method for Beam Failure Recovery Request Transmission in NR	PCT/CN2018/104815	WO2019/047948	WO		3/14/2019

SCHEDULE A

No.	TITLE	Filing Number	Publication Number	Jurisdiction	Filing Date	Publication Date
6687	5G RAN1 System and method of UL control signaling in multi-TRP operation for NR	PCT/CN2018/104847	WO2019/047950	WO		3/14/2019
6688	5G RAN1 System and methods of channel state information report on PUSCH in NR	PCT/CN2018/104860	WO2019/047952	WO		3/14/2019
6689	5G RAN1 A Method for Beam Grouping in NR	PCT/CN2018/104862	WO2019/047953	WO		3/14/2019
6690	A MOBILE COMMUNICATIONS DEVICE AND A METHOD FOR CONTROLLING A MOBILE COMMUNICATIONS DEVICE RECEIVER	PCT/EP2015/064454	WO2016/206747	WO		12/29/2016
6691	METHODS AND DEVICES FOR CHANNEL ESTIMATION FOR MOBILE SYSTEMS OF INSUFFICIENT CYCLIC PREFIX LENGTH	PCT/EP2016/057395	WO2016/177522	WO		11/10/2016
6692	METHODS AND DEVICES FOR PROVIDING A ROBUST DATA COMMUNICATION BETWEEN A CLIENT AND A SERVER	PCT/EP2016/061449	WO2016/206877	WO		12/29/2016
6693	METHOD AND DEVICE FOR DETERMINING CHANNEL STATE INFORMATION	PCT/EP2016/061543	WO2016/206888	WO		12/29/2016
6694	MULTI-TRANSMISSION CAPABLE DATA TRANSMISSION SYSTEM AND METHOD OF OPERATING THE SAME	PCT/EP2016/061561	WO2016/206891	WO		12/29/2016
6695	METHOD FOR MITIGATING INTERFERENCE AND INTERFERENCE MITIGATING RECEIVER	PCT/EP2016/061593	WO2016/206893	WO		12/29/2016
6696	METHOD FOR POWER SAVING AND POWER SAVING CIRCUIT FOR A MOBILE DEVICE	PCT/EP2016/061596	WO2016/206894	WO		12/29/2016
6697	METHOD AND DEVICE FOR DETECTING A TRANSMISSION FROM AN INTERFERING RADIO CELL	PCT/EP2016/061678	WO2016/206898	WO		12/29/2016
6698	POWER OPTIMIZATION FOR CHANNEL STATE REPORTS IN A WIRELESS COMMUNICATION NETWORK	PCT/EP2016/062528	WO2017/016715	WO		2/2/2017
6699	BEAMFORMING DEVICE	PCT/EP2016/064042	WO2017/012803	WO		1/26/2017
6700	A DECODER AND A METHOD OF DECODING	PCT/EP2016/067295	WO2017/041950	WO		3/16/2017
6701	RADIO RECEIVER AND METHOD FOR DETECTING A LAYER OF A MULTI-LAYERED SIGNAL	PCT/EP2016/068399	WO2017/045833	WO		3/23/2017
6702	ROBUST SNIR ESTIMATION	PCT/EP2016/069373	WO2017/045849	WO		3/23/2017
6703	DEVICE AND METHOD FOR MITIGATING LOWPASS FILTER GROUP DELAY	PCT/EP2016/069479	WO2017/045856	WO		3/23/2017
6704	RECEIVER WITH TUNABLE RECEIVING CHAIN	PCT/EP2016/069810	WO2017/050497	WO		3/30/2017
6705	METHODS AND DEVICES FOR POWER SAVING	PCT/EP2016/069987	WO2017/050512	WO		3/30/2017
6706	CHIP-ENHANCED BATTERY	PCT/EP2016/070823	WO2018/041368	WO		3/8/2018
6707	EQUALIZER AND METHOD FOR EQUALIZING A RECEIVE SIGNAL	PCT/EP2016/077061	WO2017/097527	WO		6/15/2017

SCHEDULE A

No.	TITLE	Filing Number	Publication Number	Jurisdiction	Filing Date	Publication Date
6708	SYNTHESIS DEVICE AND SYSTEM FOR GENERATING CHANNEL ESTIMATION FILTER COEFFICIENTS	PCT/EP2017/051399	WO2017/153079	WO		9/14/2017
6709	METHOD AND DEVICE FOR REPORTING DRIVE TEST MEASUREMENTS TO A MOBILE NETWORK	PCT/EP2017/054805	WO2017/167533	WO		10/5/2017
6710	LDPC DECODER FOR DECODING CONVOLUTIONAL CODES OR TURBO CODES	PCT/EP2017/071601	WO2018/059856	WO		4/5/2018
6711	METHOD AND DEVICE FOR PROVIDING CQI REPORTS	PCT/EP2017/074510	WO2018/060254	WO		4/5/2018
6712	USER EQUIPMENT WITH ADAPTIVE TRANSMISSION POWER SCALING BASED ON DECODING CONFIDENCE	PCT/EP2018/050871	WO2018/149576	WO		8/23/2018
6713	CODEBOOK DESIGN FOR BEAMFORMED CSI-RS FOR FD-MIMO	PCT/IB2015/002620	WO2017/025768	WO		2/16/2017
6714	LOW OVERHEAD SYSTEM INFORMATION ACQUISITION FOR WIRELESS COMMUNICATION	PCT/IB2015/002621	WO2016/198909	WO		12/15/2016
6715	AN APPARATUS AND A METHOD FOR GENERATING A RADIO FREQUENCY SIGNAL	PCT/IB2015/057375	WO2017/051216	WO		3/30/2017
6716	AN APPARATUS AND A METHOD FOR GENERATING A RADIO FREQUENCY SIGNAL	PCT/IB2015/057377	WO2017/051218	WO		3/30/2017
6717	A CIRCUIT AND A METHOD FOR GENERATING A RADIO FREQUENCY SIGNAL	PCT/IB2016/053355	WO2016/207755	WO		12/29/2016
6718	APPARATUSES AND METHODS FOR SHIFTING A DIGITAL SIGNAL BY A SHIFT TIME TO PROVIDE A SHIFTED SIGNAL	PCT/IB2016/053356	WO2016/207756	WO		12/29/2016
6719	APPARATUS METHOD AND COMPUTER PROGRAM FOR TRANSCEIVERS OF A MOBILE COMMUNICATION SYSTEM	PCT/IB2016/053358	WO2016/207757	WO		12/29/2016
6720	A SYSTEM AND A METHOD FOR DETERMINING A CORRECTION FOR AN OUTPUT VALUE OF A TIME-TO-DIGITAL CONVERTER WITHIN A PHASE-LOCKED LOOP	PCT/IB2016/053359	WO2016/207758	WO		12/29/2016
6721	A RECEIVER AND A METHOD FOR REDUCING A DISTORTION COMPONENT WITHIN A BASEBAND RECEIVE SIGNAL	PCT/IB2016/053360	WO2016/207759	WO		12/29/2016
6722	AN APPARATUS AND A METHOD FOR PREDICTING A FUTURE STATE OF AN ELECTRONIC COMPONENT	PCT/IB2016/053665	WO2017/051264	WO		3/30/2017
6723	PRE-DISTORTION CIRCUIT APPARATUS METHOD AND COMPUTER PROGRAM FOR PRE-DISTORTING TRANSMITTER RADIO TRANSCEIVER MOBILE TRANSCEIVER BASE STATION TRANSCEIVER COMMUNICATION DEVICE STORAGE	PCT/IB2016/053984	WO2018/002694	WO		1/4/2018

SCHEDULE A

No.	TITLE	Filing Number	Publication Number	Jurisdiction	Filing Date	Publication Date
6724	A RECEIVER AND A METHOD FOR REDUCING A DISTORTION COMPONENT WITHIN A BASEBAND RECEIVE SIGNAL	PCT/IB2016/054507	WO2017/037554	WO		3/9/2017
6725	A METHOD AND AN APPARATUS FOR DETERMINING A NOISE SHAPED QUANTIZED PARAMETER CONTRIBUTING TO THE GENERATION OF AN OUTPUT SIGNAL	PCT/IB2016/054645	WO2017/051268	WO		3/30/2017
6726	A TRANSMITTER AND A METHOD FOR GENERATING AN ANALOG RADIO FREQUENCY TRANSMIT SIGNAL	PCT/IB2016/055145	WO2018/042219	WO		3/8/2018
6727	APPARATUS FOR REDUCING A MAGNETIC COUPLING BETWEEN A FIRST ELECTRONIC CIRCUIT AND A SECOND ELECTRONIC CIRCUIT	PCT/IB2016/056346	WO2017/103702	WO		6/22/2017
6728	APPARATUSES AND METHODS FOR COMPENSATING PHASE FLUCTUATIONS	PCT/IB2017/050409	WO2017/153853	WO		9/14/2017
6729	TRANSCIEVERTRANSMITTERRECEIVER AND METHOD FOR DETERMINING A MINIMUM SUPPLY VOLTAGE FOR RECEIVERS AND TRANSMITTERS	PCT/IB2017/050648	WO2017/168264	WO		10/5/2017
6730	APPARATUSES AND METHODS FOR GENERATING A SECOND DIGITAL SIGNAL BASED ON A FIRST DIGITAL SIGNAL	PCT/IB2017/050662	WO2017/168265	WO		10/5/2017
6731	5G RAN2 Multiple SR configurations DRX and BSR handling in multiple configured BWPs and CA	PCT/KR2018/011588	WO2019/066587	WO		4/4/2019
6732	CONTEXT-RETENTION CONTROLLER AND METHOD FOR CONTEXT RETENTION IN WIRELESS ACCESS NETWORKS	PCT/US2012/057443	WO2013/066531	WO		5/10/2013
6733	HYBRID BEAMFORMING FOR DATA TRANSMISSION	PCT/US2013/048008	WO2014/158206	WO		10/2/2014
6734	ORTHOLOGONAL BEAMFORMING FOR MULTIPLE USER MULTIPLE-INPUT AND MULTIPLE-OUTPUT (MU-MIMO)	PCT/US2013/048639	WO2014/158208	WO		10/2/2014
6735	SEQUENCE GENERATION FOR CELL SPECIFIC REFERENCE SIGNAL (CRS)	PCT/US2013/055414	WO2014/088654	WO		6/12/2014
6736	CENTRALIZED PARTITIONING OF USER DEVICES IN A HETEROGENEOUS WIRELESS NETWORK	PCT/US2013/056666	WO2014/113072	WO		7/24/2014
6737	DEVICE-TO-DEVICE DISCOVERY WITH DIRECT RADIO SIGNALS	PCT/US2013/057709	WO2014/113073	WO		7/24/2014
6738	TECHNIQUES AND SYSTEMS FOR EXTENDED DISCONTINUOUS RECEPTION	PCT/US2013/057882	WO2014/113074	WO		7/24/2014
6739	ENERGY-HARVESTING DEVICES IN WIRELESS NETWORKS	PCT/US2013/058564	WO2014/109797	WO		7/17/2014
6740	FAST SMALL CELL DISCOVERY	PCT/US2013/058579	WO2014/113075	WO		7/24/2014
6741	DISCOVERY SIGNAL IN CLUSTER-BASED SMALL CELL	PCT/US2013/058582	WO2014/113076	WO		7/24/2014
6742	MAPPING SPECIAL SUBFRAMES IN A WIRELESS COMMUNICATION NETWORK	PCT/US2013/060201	WO2014/113078	WO		7/24/2014

SCHEDULE A

No.	TITLE	Filing Number	Publication Number	Jurisdiction	Filing Date	Publication Date
6743	METHOD APPARATUS AND SYSTEM FOR HANDLING IN-DEVICE COEXISTENCE INTERFERENCE IN A WIRELESS NETWORK	PCT/US2013/061461	WO2014/113080	WO		7/24/2014
6744	COMMUNICATION OF SECURITY KEY INFORMATION	PCT/US2013/061518	WO2014/113082	WO		7/24/2014
6745	WIRELESS LOCAL AREA NETWORK (WLAN) TRAFFIC OFFLOADING	PCT/US2013/061519	WO2014/133589	WO		9/4/2014
6746	LAWFUL INTERCEPTION FOR DEVICE-TO-DEVICE (D2D) COMMUNICATION	PCT/US2013/061630	WO2014/113083	WO		7/24/2014
6747	SYSTEMS AND METHODS FOR ACCESS NETWORK SELECTION AND TRAFFIC ROUTING	PCT/US2013/061897	WO2014/130091	WO		8/28/2014
6748	SYSTEMS AND METHODS FOR EFFICIENT TRAFFIC OFFLOAD WITHOUT SERVICE DISRUPTION	PCT/US2013/061946	WO2014/113084	WO		7/24/2014
6749	SYSTEMS AND METHODS FOR MOBILITY OPTIMIZATION IN A HETEROGENEOUS NETWORK	PCT/US2013/061962	WO2014/113085	WO		7/24/2014
6750	REPORTING OF USER PLANE CONGESTION (UPCON) USING A UPCON CONTAINER	PCT/US2013/062183	WO2014/130092	WO		8/28/2014
6751	USER EQUIPMENT WITH REDUCED POWER CONSUMPTION OPERATIONAL MODES	PCT/US2013/062228	WO2014/130093	WO		8/28/2014
6752	SYSTEMS AND METHODS FOR WLAN NETWORK SELECTION	PCT/US2013/062384	WO2014/130094	WO		8/28/2014
6753	A METHOD AND SYSTEM FOR THE MANAGEMENT OF CELL INTERFERENCE IN A WIRELESS COMMUNICATION NETWORK	PCT/US2013/062395	WO2014/109802	WO		7/17/2014
6754	TECHNIQUES FOR BEAMFORMING TO MITIGATE MULTI-USER LEAKAGE AND INTERFERENCE	PCT/US2013/062401	WO2014/158226	WO		10/2/2014
6755	CHANNEL STATE INFORMATION-REFERENCE SIGNAL PATTERNS FOR TIME DIVISION DUPLEX SYSTEMS IN LONG TERM EVOLUTION WIRELESS NETWORKS	PCT/US2013/062428	WO2014/113087	WO		7/24/2014
6756	SYSTEMS AND METHODS FOR GENERATING A DISCOVERY SIGNAL IN A DEVICE-TO-DEVICE OR NETWORK COMMUNICATION	PCT/US2013/062444	WO2014/113088	WO		7/24/2014
6757	SHARED SPECTRUM REASSIGNMENT IN A SPECTRUM SHARING CONTEXT	PCT/US2013/062455	WO2014/175919	WO		10/30/2014
6758	DYNAMIC CONFIGURATION OF UPLINK (UL) AND DOWNLINK (DL) FRAME RESOURCES FOR A TIME DIVISION DUPLEX (TDD) TRANSMISSION	PCT/US2013/063793	WO2014/113095	WO		7/24/2014
6759	APPARATUS SYSTEM AND METHOD OF COMMUNICATING NON-CELLULAR ACCESS NETWORK INFORMATION OVER A CELLULAR NETWORK	PCT/US2013/064761	WO2014/113103	WO		7/24/2014
6760	NETWORK ASSISTED DEVICE-TO-DEVICE DISCOVERY FOR PEER-TO-PEER APPLICATIONS	PCT/US2013/064865	WO2014/070434	WO		5/8/2014

SCHEDULE A

No.	TITLE	Filing Number	Publication Number	Jurisdiction	Filing Date	Publication Date
6761	IMPROVED TECHNIQUES FOR USER PLANE CONGESTION MITIGATION	PCT/US2013/068491	WO2014/109818	WO		7/17/2014
6762	USER EQUIPMENT AND METHOD FOR DISTRIBUTED CHANNEL ACCESS FOR D2D COMMUNICATIONS	PCT/US2013/068766	WO2014/158235	WO		10/2/2014
6763	TECHNIQUES FOR CONNECTIONLESS SMALL DATA TRANSMISSION	PCT/US2013/068863	WO2014/133603	WO		9/4/2014
6764	TECHNIQUES FOR DEPLOYING SMALL CELLS AS SECONDARY CELLS FOR USER EQUIPMENT	PCT/US2013/071934	WO2014/113141	WO		7/24/2014
6765	MULTICAST-BASED GROUP COMMUNICATIONS IN AD HOC ARRANGEMENTS OF WIRELESS DEVICES	PCT/US2013/074673	WO2014/133631	WO		9/4/2014
6766	HYBRID REFERENCE SIGNALS FOR WIRELESS COMMUNICATION	PCT/US2013/074692	WO2014/175923	WO		10/30/2014
6767	HYBRID DIGITAL AND ANALOG BEAMFORMING FOR LARGE ANTENNA ARRAYS	PCT/US2013/074747	WO2014/193475	WO		12/4/2014
6768	MULTIPLE RADIO LINK CONTROL (RLC) GROUPS	PCT/US2013/074861	WO2014/185953	WO		11/20/2014
6769	PATH SWITCHING PROCEDURE FOR DEVICE-TO-DEVICE COMMUNICATION	PCT/US2013/074867	WO2014/130143	WO		8/28/2014
6770	TARGETED GROUP-BASED DEVICE DISCOVERY FOR WIRELESS COMMUNICATION DEVICES	PCT/US2013/074871	WO2014/130144	WO		8/28/2014
6771	SPECTRUM SHARING BASED ON SELF-ORGANIZING NETWORKS	PCT/US2013/075100	WO2014/133641	WO		9/4/2014
6772	PHYSICAL RESOURCE BLOCK (PRB)-RESTRICTED INTERFERENCE AVERAGING IN A WIRELESS COMMUNICATION SYSTEM	PCT/US2013/075139	WO2014/133642	WO		9/4/2014
6773	WIRELESS TRANSMISSION PRECODING	PCT/US2013/075161	WO2014/175926	WO		10/30/2014
6774	QUASI CO-LOCATION AND PDSCH RESOURCE ELEMENT MAPPING SIGNALING FOR NETWORK ASSISTED INTERFERENCE MITIGATION	PCT/US2013/075455	WO2014/133650	WO		9/4/2014
6775	SMALL DATA COMMUNICATIONS	PCT/US2013/075462	WO2014/182338	WO		11/13/2014
6776	ENODEB REFERENCE SIGNAL REDUCTION	PCT/US2013/075463	WO2014/158255	WO		10/2/2014
6777	SMALL DATA COMMUNICATIONS	PCT/US2013/075470	WO2014/182339	WO		11/13/2014
6778	REDUCTION OF BUFFER OVERFLOW	PCT/US2013/075474	WO2014/182340	WO		11/13/2014
6779	METHOD AND APPARATUS FOR CONFIGURING AND USING SMALL DATA RADIO BEARERS	PCT/US2013/075633	WO2014/133651	WO		9/4/2014
6780	RADIO LINK MONITORING FOR EPDCCH	PCT/US2013/075726	WO2014/163686	WO		10/9/2014
6781	LOW POWER DEVICE TO DEVICE TRANSMISSION	PCT/US2013/075801	WO2014/158258	WO		10/2/2014
6782	PUCCH RESOURCE COMPRESSION FOR EPDCCH IN TDD MODE	PCT/US2013/075830	WO2014/109873	WO		7/17/2014
6783	CHANNEL QUALITY INDICATION FOR FALLBACK TRANSMISSION MODE OVER NEW CARRIER TYPE	PCT/US2013/075849	WO2014/113171	WO		7/24/2014
6784	CONTENT URL AUTHENTICATION FOR DASH	PCT/US2013/076837	WO2014/113183	WO		7/24/2014

SCHEDULE A

No.	TITLE	Filing Number	Publication Number	Jurisdiction	Filing Date	Publication Date
6785	DEVICE TO DEVICE COMMUNICATION WITH CLUSTER COORDINATING	PCT/US2013/077120	WO2014/130153	WO		8/28/2014
6786	NETWORK ASSISTED DEVICE TO DEVICE DISCOVERY	PCT/US2013/077129	WO2014/130154	WO		8/28/2014
6787	QUALITY-AWARE RATE ADAPTATION TECHNIQUES FOR DASH STREAMING	PCT/US2013/077142	WO2014/158264	WO		10/2/2014
6788	DUAL CONNECTIVITY FOR TERMINALS SUPPORTING ONE UPLINK CARRIER	PCT/US2013/077163	WO2014/163690	WO		10/9/2014
6789	EXTENDED PAGING DISCONTINUOUS RECEPTION (DRX) CYCLES IN WIRELESS COMMUNICATION NETWORKS	PCT/US2013/077255	WO2014/158268	WO		10/2/2014
6790	METHOD APPARATUS AND SYSTEM FOR MANAGING BEARERS IN A WIRELESS COMMUNICATION SYSTEM	PCT/US2013/077294	WO2014/113190	WO		7/24/2014
6791	DASH-AWARE NETWORK APPLICATION FUNCTION (D-NAF)	PCT/US2013/077497	WO2014/113193	WO		7/24/2014
6792	TECHNIQUES TO FACILITATE DUAL CONNECTIVITY	PCT/US2013/077521	WO2014/158273	WO		10/2/2014
6793	INTERNET PROTOCOL (IP) MULTIMEDIA SUBSYSTEM (IMS) BASED PEER-TO-PEER (P2P) CONTENT DISTRIBUTION	PCT/US2013/077636	WO2014/163691	WO		10/9/2014
6794	NETWORK-ASSISTED LTE CHANNEL ACQUISITION	PCT/US2013/077666	WO2014/163693	WO		10/9/2014
6795	PRESENCE SERVICE USING IMS BASED DASH SERVICE	PCT/US2013/077745	WO2014/113197	WO		7/24/2014
6796	COORDINATION OF CAPACITY AND COVERAGE OPTIMIZATION OF SELF-ORGANIZING NETWORKS	PCT/US2013/077748	WO2014/133662	WO		9/4/2014
6797	UE-BASED D2D DISCOVERY	PCT/US2013/077753	WO2014/130156	WO		8/28/2014
6798	IMPROVED HANDOVER WITH PING PONG AVOIDANCE IN A WIRELESS NETWORK	PCT/US2013/077754	WO2014/130157	WO		8/28/2014
6799	CONTROL OF WLAN SELECTION POLICIES IN ROAMING SCENARIOS	PCT/US2013/077764	WO2014/158274	WO		10/2/2014
6800	ESTABLISHMENT OF CONNECTION TO THE INTERNET IN CELLULAR NETWORK	PCT/US2013/077793	WO2014/158275	WO		10/2/2014
6801	APPARATUS SYSTEM AND METHOD OF USER-EQUIPMENT (UE) CENTRIC TRAFFIC ROUTING	PCT/US2013/077905	WO2014/163696	WO		10/9/2014
6802	APPARATUS SYSTEM AND METHOD OF CELLULAR NETWORK COMMUNICATIONS CORRESPONDING TO A NON-CELLULAR NETWORK	PCT/US2013/077906	WO2014/163697	WO		10/9/2014
6803	WIRELESS LOCAL AREA NETWORK (WLAN) TRAFFIC LOAD MEASUREMENT PROVISIONING TO WIRELESS CELLULAR NETWORKS	PCT/US2013/078112	WO2014/158279	WO		10/2/2014
6804	LINK-AWARE STREAMING ADAPTATION	PCT/US2014/019031	WO2014/134309	WO		9/4/2014
6805	NETWORK-LEVEL DEVICE PROXIMITY DETECTION	PCT/US2014/019290	WO2014/134406	WO		9/4/2014
6806	RADIO ACCESS TECHNOLOGY SELECTION IN A HETEROGENEOUS NETWORK	PCT/US2014/019299	WO2014/134407	WO		9/4/2014

SCHEDULE A

No.	TITLE	Filing Number	Publication Number	Jurisdiction	Filing Date	Publication Date
6807	NETWORK SELECTION IN A HETEROGENEOUS NETWORK	PCT/US2014/019304	WO2014/134409	WO		9/4/2014
6808	ACCESS POINT POSITION DETERMINATION BY MOBILE DEVICES CROWD SOURCING	PCT/US2014/019842	WO2015/133983	WO		9/11/2015
6809	WIRELESS LOCAL AREA NETWORK (WLAN) SELECTION RULES	PCT/US2014/023022	WO2014/175967	WO		10/30/2014
6810	UPLINK ENHANCEMENTS FOR EFFICIENT OPERATION IN SMALL CELL ENVIRONMENTS	PCT/US2014/023744	WO2014/175968	WO		10/30/2014
6811	QUALITY OF EXPERIENCE AWARE MULTIMEDIA ADAPTIVE STREAMING	PCT/US2014/030967	WO2014/160553	WO		10/2/2014
6812	PROVISIONING OF APPLICATION CATEGORIES AT A USER EQUIPMENT DURING NETWORK CONGESTION	PCT/US2014/031464	WO2014/160611	WO		10/2/2014
6813	PAGING REPETITION FOR INCREASED ROBUSTNESS FOR EXTENDED PAGING CYCLES	PCT/US2014/031509	WO2014/165338	WO		10/9/2014
6814	FAST RADIO LINK RECOVERY FOR LTE NETWORKS	PCT/US2014/031633	WO2014/165346	WO		10/9/2014
6815	METHODS APPARATUSES AND SYSTEMS FOR RETRIEVING DATA FROM A WIRELESS LOCAL AREA NETWORK (WLAN) ACCESS POINT	PCT/US2014/031767	WO2014/186055	WO		11/20/2014
6816	GENERATION AND USE OF A USER EQUIPMENT LOCATION DISTRIBUTION IN A WIRELESS COMMUNICATION NETWORK	PCT/US2014/031768	WO2014/186056	WO		11/20/2014
6817	HANDOVER OF USER EQUIPMENT WITH NON-GBR BEARERS	PCT/US2014/031778	WO2014/160733	WO		10/2/2014
6818	DEVICE-TO-DEVICE (D2D) PREAMBLE DESIGN	PCT/US2014/031845	WO2014/160765	WO		10/2/2014
6819	HARQ TIMING DESIGN FOR A TDD SYSTEM	PCT/US2014/031868	WO2014/160780	WO		10/2/2014
6820	INCREASING SPECTRAL EFFICIENCY IN A HETEROGENEOUS NETWORK	PCT/US2014/031970	WO2014/182382	WO		11/13/2014
6821	MULTIPLE-INPUT MULTIPLE-OUTPUT CELLULAR NETWORK COMMUNICATIONS	PCT/US2014/031972	WO2014/182383	WO		11/13/2014
6822	SYSTEMS METHODS AND DEVICES FOR DISTRIBUTED SCHEDULING FOR DEVICE-TO-DEVICE INTERFERENCE MITIGATION	PCT/US2014/032032	WO2014/175990	WO		10/30/2014
6823	TECHNIQUES FOR WIRELESS NETWORK DISCOVERY AND SELECTION SUPPORT	PCT/US2014/032053	WO2014/160882	WO		10/2/2014
6824	MANAGEMENT TECHNIQUES FOR WIRELESS NETWORK MOBILITY PROCEDURES	PCT/US2014/032057	WO2014/160885	WO		10/2/2014
6825	SYSTEMS AND METHODS USING A CENTRALIZED NODE TO COLLECT RAN USER PLANE CONGESTION INFORMATION	PCT/US2014/032227	WO2014/175997	WO		10/30/2014
6826	NETWORK SELECTION IN A HETEROGENEOUS NETWORK	PCT/US2014/032233	WO2014/186062	WO		11/20/2014
6827	METHOD AND APPARATUS FOR WI-FI LOCATION DETERMINATION	PCT/US2014/032246	WO2015/147876	WO		10/1/2015

SCHEDULE A

No.	TITLE	Filing Number	Publication Number	Jurisdiction	Filing Date	Publication Date
6828	NETWORK SCHEDULED DEVICE TO DEVICE COMMUNICATION	PCT/US2014/032251	WO2014/165411	WO		10/9/2014
6829	TIMING SYNCHRONIZATION IN DISCOVERY SIGNALS	PCT/US2014/032264	WO2014/160982	WO		10/2/2014
6830	NETWORK ASSISTED INTERFERENCE CANCELLATION AND SUPPRESSION WITH RESPECT TO INTERFERING CONTROL CHANNEL TRANSMISSIONS	PCT/US2014/032266	WO2014/160984	WO		10/2/2014
6831	DIAMETER/XML PROTOCOL CONVERSION	PCT/US2014/032268	WO2014/175999	WO		10/30/2014
6832	NETWORK ASSISTED DEVICE TO DEVICE COMMUNICATION	PCT/US2014/032470	WO2014/182388	WO		11/13/2014
6833	RECONFIGURATION CONTROL CHANNEL RESOURCE MAPPING COLLISION AVOIDANCE	PCT/US2014/032532	WO2014/165517	WO		10/9/2014
6834	USER EQUIPMENT AND METHODS FOR HANDOVER ENHANCEMENT USING SCALED TIME-TO-TRIGGER AND TIME-OF-STAY	PCT/US2014/032697	WO2014/165603	WO		10/9/2014
6835	PATTERN INDICATOR SIGNAL FOR NEW DMRS PATTERN	PCT/US2014/032795	WO2014/165656	WO		10/9/2014
6836	ENHANCED NODE B AND METHOD FOR RRC CONNECTION ESTABLISHMENT FOR SMALL DATA TRANSFERS	PCT/US2014/032797	WO2014/165657	WO		10/9/2014
6837	VIRTUAL CARRIER SENSING MECHANISM FOR LONG TERM EVOLUTION (LTE)	PCT/US2014/032855	WO2014/165690	WO		10/9/2014
6838	USER EQUIPMENT AND METHODS FOR ADAPTING SYSTEM PARAMETERS BASED ON EXTENDED PAGING CYCLES	PCT/US2014/033965	WO2014/176058	WO		10/30/2014
6839	INTERACTIVE ZOOMING IN VIDEO CONFERENCING	PCT/US2014/034307	WO2014/176087	WO		10/30/2014
6840	ARCHITECTURE FOR WEB-BASED REAL-TIME COMMUNICATIONS (WEBRTC) TO ACCESS INTERNET PROTOCOL MULTIMEDIA SUBSYSTEM (IMS)	PCT/US2014/034337	WO2014/176089	WO		10/30/2014
6841	RADIO ACCESS TECHNOLOGY INFORMATION STORAGE IN A MOBILE NETWORK	PCT/US2014/034480	WO2014/176106	WO		10/30/2014
6842	AN APPARATUS AND METHOD FOR CONGESTION CONTROL IN WIRELESS COMMUNICATION NETWORKS	PCT/US2014/034879	WO2014/176200	WO		10/30/2014
6843	SYSTEM AND METHOD FOR INTERFERENCE CANCELLATION AND/OR SUPPRESSION ON PHYSICAL DOWNLINK SHARED CHANNEL AT THE USER EQUIPMENT	PCT/US2014/034966	WO2014/176245	WO		10/30/2014
6844	USER EQUIPMENT AND METHOD FOR FEEDBACK OF USER EQUIPMENT PERFORMANCE METRICS DURING DYNAMIC RADIO SWITCHING	PCT/US2014/035409	WO2014/176480	WO		10/30/2014
6845	DATA RETRANSMISSIONS IN AN ANCHOR-BOOSTER NETWORK	PCT/US2014/037084	WO2014/182774	WO		11/13/2014
6846	SECURITY KEY REFRESH FOR DUAL CONNECTIVITY	PCT/US2014/037316	WO2014/182911	WO		11/13/2014

SCHEDULE A

No.	TITLE	Filing Number	Publication Number	Jurisdiction	Filing Date	Publication Date
6847	THROUGHPUT CHARACTERIZATION	PCT/US2014/037355	WO2014/182938	WO		11/13/2014
6848	USER EQUIPMENT AND METHODS FOR CODEBOOK SUBSAMPLING FOR ENHANCED 4TX CODEBOOKS	PCT/US2014/039072	WO2014/193718	WO		12/4/2014
6849	REDUCTION OF USER PLANE CONGESTION	PCT/US2014/039116	WO2014/193723	WO		12/4/2014
6850	PROXIMITY-BASED SERVICES DISCOVERY PRIVACY	PCT/US2014/039313	WO2014/193749	WO		12/4/2014
6851	EFFICIENT USER SERVICE OR CONTENT REPRESENTATION FOR DEVICE COMMUNICATION	PCT/US2014/040367	WO2014/194279	WO		12/4/2014
6852	METHOD APPARATUS AND SYSTEM FOR ELECTRICAL DOWNTILT ADJUSTMENT IN A MULTIPLE INPUT MULTIPLE OUTPUT SYSTEM	PCT/US2014/044629	WO2015/020736	WO		2/12/2015
6853	USER EQUIPMENT AND EVOLVED NODE-B SUPPORTING MACHINE TYPE COMMUNICATION AND SMALL DATA COMMUNICATION	PCT/US2014/045903	WO2015/013038	WO		1/29/2015
6854	DYNAMICAL TIME DIVISION DUPLEX UPLINK AND DOWNLINK CONFIGURATION IN A COMMUNICATIONS NETWORK	PCT/US2014/047416	WO2015/013189	WO		1/29/2015
6855	DOWNTILT SELECTION IN A FULL DIMENSIONAL MULTIPLE-INPUT MULTIPLE-OUTPUT SYSTEM	PCT/US2014/047417	WO2015/013190	WO		1/29/2015
6856	NETWORK COVERAGE HOLE DETECTION	PCT/US2014/047421	WO2015/013192	WO		1/29/2015
6857	SIGNALING MESSAGE SYNCHRONIZATION	PCT/US2014/047425	WO2015/013193	WO		1/29/2015
6858	ENABLING DIRECT TRANSPORT LAYER CONNECTIVITY	PCT/US2014/047428	WO2015/013194	WO		1/29/2015
6859	APPARATUS SYSTEM AND METHOD OF SELECTIVELY PROVIDING INTERNET PROTOCOL (IP) SESSION CONTINUITY	PCT/US2014/048110	WO2015/013567	WO		1/29/2015
6860	TECHNIQUES FOR EFFICIENT SMALL CELL DISCOVERY	PCT/US2014/048136	WO2015/013580	WO		1/29/2015
6861	SELECTING A RADIO NODE FOR DATA TRAFFIC OFFLOADING	PCT/US2014/048255	WO2015/013650	WO		1/29/2015
6862	DRX OPERATION FOR UL/DL RECONFIGURATION	PCT/US2014/048954	WO2015/041754	WO		3/26/2015
6863	USER EQUIPMENT REALLOCATION BETWEEN NODES	PCT/US2014/049560	WO2015/020937	WO		2/12/2015
6864	COOPERATIVE MULTIPLE BEAM TRANSMISSION	PCT/US2014/049621	WO2015/020966	WO		2/12/2015
6865	USER EQUIPMENT DISTRIBUTION INFORMATION COLLECTION	PCT/US2014/049939	WO2015/021152	WO		2/12/2015
6866	APPARATUS SYSTEM AND METHOD OF STEERING DATA RADIO BEARER TRAFFIC TO A WIRELESS LOCAL AREA NETWORK LINK	PCT/US2014/050031	WO2015/021214	WO		2/12/2015
6867	METHOD AND SYSTEM OF ADVANCED INTERFERENCE CANCELLATION ON PDSCH AT THE UE	PCT/US2014/050056	WO2015/021229	WO		2/12/2015

SCHEDULE A

No.	TITLE	Filing Number	Publication Number	Jurisdiction	Filing Date	Publication Date
6868	SYSTEMS AND METHODS FOR MOBILITY STATE ESTIMATION FRAMEWORK FOR LTE NETWORK	PCT/US2014/050101	WO2015/021250	WO		2/12/2015
6869	SIGNALING FOR PROXIMITY SERVICES AND D2D DISCOVERY IN AN LTE NETWORK	PCT/US2014/050128	WO2015/021267	WO		2/12/2015
6870	SIGNALING RADIO BEARER OPTIMIZATIONS AND OTHER TECHNIQUES FOR SUPPORTING SMALL DATA TRANSMISSIONS	PCT/US2014/050147	WO2015/021276	WO		2/12/2015
6871	POWER SAVING MODE OPTIMIZATIONS AND RELATED PROCEDURES	PCT/US2014/050159	WO2015/021284	WO		2/12/2015
6872	COVERAGE EXTENSION LEVEL FOR COVERAGE LIMITED DEVICE	PCT/US2014/050207	WO2015/021315	WO		2/12/2015
6873	USER EQUIPMENT AND METHOD FOR PACKET BASED DEVICE-TO-DEVICE (D2D) DISCOVERY IN AN LTE NETWORK	PCT/US2014/050209	WO2015/021317	WO		2/12/2015
6874	COVERAGE EXTENSION LEVEL FOR COVERAGE LIMITED DEVICE	PCT/US2014/050214	WO2015/021320	WO		2/12/2015
6875	SYSTEMS METHODS AND DEVICES FOR DEVICE-TO-DEVICE DISCOVERY	PCT/US2014/050220	WO2015/047556	WO		4/2/2015
6876	NETWORK MANAGEMENT	PCT/US2014/050289	WO2015/021357	WO		2/12/2015
6877	TECHNIQUES FOR DEVICE-TO-DEVICE COMMUNICATIONS	PCT/US2014/050373	WO2015/021399	WO		2/12/2015
6878	SYSTEMS METHODS AND DEVICES WITH DIFFERENT RADIO LINK FAILURE TIMERS BASED ON USER EQUIPMENT SPEED	PCT/US2014/050731	WO2015/047569	WO		4/2/2015
6879	SYSTEMS METHODS AND DEVICES FOR TRAFFIC OFFLOADING	PCT/US2014/050736	WO2015/047570	WO		4/2/2015
6880	HARQ TIMELINES FOR TDD-FDD CARRIER AGGREGATION	PCT/US2014/051218	WO2015/047580	WO		4/2/2015
6881	APPLICATION CONTEXT MIGRATION FRAMEWORK AND PROTOCOL	PCT/US2014/053433	WO2015/047659	WO		4/2/2015
6882	GENERATION OF RANDOM ACCESS PREAMBLES	PCT/US2014/053461	WO2015/041839	WO		3/26/2015
6883	DEVICES AND METHODS FOR SENDING OR RECEIVING ASSISTANCE DATA	PCT/US2014/055513	WO2015/041959	WO		3/26/2015
6884	EARLY TTT TERMINATION	PCT/US2014/055517	WO2015/041960	WO		3/26/2015
6885	TRANSMISSION OF PHYSICAL BROADCAST CHANNEL (PBCH) CONTENTS	PCT/US2014/055751	WO2015/042004	WO		3/26/2015
6886	SYSTEMS METHODS AND DEVICES FOR EFFICIENT DEVICE-TO-DEVICE CHANNEL CONTENTION	PCT/US2014/055835	WO2015/065608	WO		5/7/2015
6887	TECHNIQUES FOR IDENTIFYING PHYSICAL HYBRID AUTOMATIC REQUEST INDICATOR CHANNEL RESOURCES	PCT/US2014/055837	WO2015/042035	WO		3/26/2015
6888	TECHNIQUES AND CONFIGURATIONS ASSOCIATED WITH MACHINE TYPE COMMUNICATION IN ENHANCED COVERAGE MODE	PCT/US2014/055848	WO2015/042038	WO		3/26/2015

SCHEDULE A

No.	TITLE	Filing Number	Publication Number	Jurisdiction	Filing Date	Publication Date
6889	CONGESTION CONTROL FOR SHORT MESSAGE SERVICE IN 3RD GENERATION PARTNERSHIP PROJECT (3GPP) SYSTEMS	PCT/US2014/055939	WO2015/042069	WO		3/26/2015
6890	USER EQUIPMENT AND METHODS FOR FAST HANDOVER FAILURE RECOVERY IN 3GPP LTE NETWORK	PCT/US2014/056003	WO2015/042100	WO		3/26/2015
6891	DELIVERY OF TARGETED MEDIA CONTENT	PCT/US2014/056014	WO2015/042106	WO		3/26/2015
6892	CONGESTION MEASUREMENT AND REPORTING FOR REAL-TIME DELAY-SENSITIVE APPLICATIONS	PCT/US2014/056035	WO2015/042117	WO		3/26/2015
6893	COVERAGE ENHANCEMENT AND SEMI-PERSISTENT SCHEDULING SUPPORT IN LTE-TDD SYSTEMS	PCT/US2014/056113	WO2015/060958	WO		4/30/2015
6894	METRICS FOR TRAFFIC STEERING IN A WIRELESS NETWORK	PCT/US2014/056115	WO2015/060959	WO		4/30/2015
6895	TRANSMISSION CONTROL PROTOCOL (TCP) BASED VIDEO STREAMING	PCT/US2014/056212	WO2015/047846	WO		4/2/2015
6896	REDUCTION OF PACKET RETRANSMISSIONS IN DUAL CONNECTIVITY SYSTEMS	PCT/US2014/056242	WO2015/047854	WO		4/2/2015
6897	MITIGATION OF TRAFFIC CONGESTION IN DUAL CONNECTIVITY SYSTEMS	PCT/US2014/056247	WO2015/047858	WO		4/2/2015
6898	USER EQUIPMENT AND PROTOCOL AND METHODS FOR DEVICE-TO-DEVICE COMMUNICATION	PCT/US2014/056316	WO2015/047866	WO		4/2/2015
6899	APPARATUS SYSTEM AND METHOD OF INTERFACING BETWEEN A CELLULAR MANAGER AND A WLAN ACCESS DEVICE	PCT/US2014/056894	WO2015/060971	WO		4/30/2015
6900	USER EQUIPMENT AND MOBILITY MANAGEMENT ENTITY AND METHODS FOR PERIODIC UPDATE IN CELLULAR NETWORKS	PCT/US2014/056909	WO2015/065619	WO		5/7/2015
6901	USER EQUIPMENT (UE) SUPPORTING PACKET-SWITCHED EMERGENCY CALLS OVER IP MULTIMEDIA SUBSYSTEM (IMS)	PCT/US2014/057212	WO2015/060977	WO		4/30/2015
6902	METHODS FOR APERIODIC CSI REPORT TRIGGERING FOR FLEXIBLE SUBFRAMES IN LTE TDD EIMTA SYSTEMS WITH DYNAMIC UL-DL RECONFIGURATION	PCT/US2014/057440	WO2015/048277	WO		4/2/2015
6903	EMERGENCY CALL HANDLING	PCT/US2014/057448	WO2015/060986	WO		4/30/2015
6904	BEARER SPLIT RATIOS FOR DUAL CONNECTIVITY SYSTEMS	PCT/US2014/057454	WO2015/048287	WO		4/2/2015
6905	MOBILITY INFORMATION REPORTING	PCT/US2014/057486	WO2015/060987	WO		4/30/2015
6906	SYNCHRONIZATION OF DEVICE TO DEVICE COMMUNICATION	PCT/US2014/057895	WO2015/065631	WO		5/7/2015
6907	RESOURCE SELECTION IN DEVICE TO DEVICE COMMUNICATION	PCT/US2014/057896	WO2015/065632	WO		5/7/2015
6908	GATEWAY ARRANGEMENTS FOR WIRELESS COMMUNICATION NETWORKS	PCT/US2014/060511	WO2015/065701	WO		5/7/2015

SCHEDULE A

No.	TITLE	Filing Number	Publication Number	Jurisdiction	Filing Date	Publication Date
6909	TECHNIQUES AND CONFIGURATIONS ASSOCIATED WITH USER EQUIPMENT-INITIATED CONGESTION REPORTING	PCT/US2014/061498	WO2015/065761	WO		5/7/2015
6910	SIGNALING FOR INTER-CELL D2D DISCOVERY IN AN LTE NETWORK	PCT/US2014/061569	WO2015/065768	WO		5/7/2015
6911	RESOURCE ALLOCATION FOR D2D DISCOVERY IN AN LTE NETWORK	PCT/US2014/062349	WO2015/065881	WO		5/7/2015
6912	USER EQUIPMENT AND EVOLVED NODE-B AND METHODS FOR OPERATION IN A COVERAGE ENHANCEMENT MODE	PCT/US2014/062533	WO2015/065947	WO		5/7/2015
6913	WIRELESS LOCAL AREA NETWORK (WLAN) CONNECTIVITY OPTION DISCOVERY	PCT/US2014/062811	WO2015/066123	WO		5/7/2015
6914	USER EQUIPMENT AND METHODS OF BEARER OPERATION FOR CARRIER AGGREGATION	PCT/US2014/063080	WO2015/066281	WO		5/7/2015
6915	SIGNALING EXTENDED EARFCN AND E-UTRA BANDS IN UMTS NETWORKS	PCT/US2014/063434	WO2015/066476	WO		5/7/2015
6916	POWER HEADROOM REPORTING WITH DUAL CONNECTIVITY	PCT/US2014/064426	WO2015/102747	WO		7/9/2015
6917	AUTONOMOUS ENHANCED NODE B	PCT/US2014/068847	WO2015/102811	WO		7/9/2015
6918	METHOD AND EVOLVED NODE-B FOR GEOGRAPHIC BIN DATA COLLECTION AND REPORTING	PCT/US2014/068888	WO2015/102812	WO		7/9/2015
6919	METHOD APPARATUS AND SYSTEM FOR MEASURING A POSITION OF A USER EQUIPMENT IN A WIRELESS NETWORK	PCT/US2014/072166	WO2015/167617	WO		11/5/2015
6920	ADAPTIVE PAGING TECHNIQUES FOR EXTENDED COVERAGE-CAPABLE DEVICES	PCT/US2015/000200	WO2016/122436	WO		8/4/2016
6921	TRANSMISSION OF UPLINK CONTROL INFORMATION IN WIRELESS SYSTEMS	PCT/US2015/000244	WO2017/044066	WO		3/16/2017
6922	MULTIBAND DATA DELIVERY DEVICE AND METHOD	PCT/US2015/000250	WO2017/111778	WO		6/29/2017
6923	VIRTUAL MOBILE MANAGEMENT ENTITY MANAGEMENT	PCT/US2015/000252	WO2017/018965	WO		2/2/2017
6924	MEASUREMENT GAP ENHANCEMENT TO REDUCE MEASUREMENT DELAY	PCT/US2015/000259	WO2016/182526	WO		11/17/2016
6925	INDICATION OF TDD UPLINK AND DOWNLINK CONFIGURATIONS	PCT/US2015/000260	WO2017/034506	WO		3/2/2017
6926	MEASUREMENT GAP CONFIGURATION IN DUAL CONNECTIVITY ENHANCEMENT	PCT/US2015/000272	WO2016/182527	WO		11/17/2016
6927	CONFIGURATION OF NON-UE-SPECIFIC SEARCH SPACE FOR M-PDCCH	PCT/US2015/000284	WO2017/026971	WO		2/16/2017
6928	UCI FOR CARRIER AGGREGATION	PCT/US2015/000292	WO2017/026972	WO		2/16/2017
6929	LAYER 2 RELAY PROTOCOLS AND MOBILITY RELAY METHOD	PCT/US2015/000296	WO2017/014716	WO		1/26/2017
6930	SYNCHRONIZATION SIGNALS FOR LICENSE ASSISTED ACCESS	PCT/US2015/000299	WO2017/078656	WO		5/11/2017
6931	SYSTEM AND METHODS FOR PRECODED TRANSMISSIONS FOR NARROWBAND TRANSMISSIONS WITHIN WIDER SYSTEM BANDWIDTH	PCT/US2015/000307	WO2016/122437	WO		8/4/2016

SCHEDULE A

No.	TITLE	Filing Number	Publication Number	Jurisdiction	Filing Date	Publication Date
6932	TRANSMISSION OF UPLINK CONTROL INFORMATION IN WIRELESS SYSTEMS	PCT/US2015/000312	WO2017/048215	WO		3/23/2017
6933	RADIO RESOURCE CONTROL IN CELLULAR/WLAN AGGREGATION	PCT/US2015/000333	WO2017/034508	WO		3/2/2017
6934	APPARATUS SYSTEM AND METHOD OF PROCESSING PDCP PDUs OF AN E-RAB	PCT/US2015/000335	WO2016/118103	WO		7/28/2016
6935	COMMUNICATION OF CONGESTION CONTROL INFORMATION	PCT/US2015/000338	WO2016/118104	WO		7/28/2016
6936	APPARATUS SYSTEM AND METHOD OF COMMUNICATING BETWEEN A CELLULAR MANAGER AND A USER EQUIPMENT (UE) VIA A WLAN NODE	PCT/US2015/000342	WO2017/018968	WO		2/2/2017
6937	APPARATUS SYSTEM AND METHOD OF CELLULAR-ASSISTED FINE TIME MEASUREMENT	PCT/US2015/000348	WO2017/026976	WO		2/16/2017
6938	ENHANCED SUPPORT VEHICLE-TO-ANYTHING (V2X) COMMUNICATION	PCT/US2015/000358	WO2016/209196	WO		12/29/2016
6939	PAGING ENHANCEMENT FOR EXTENDED DRX IN CELLULAR SYSTEMS	PCT/US2015/000359	WO2016/182530	WO		11/17/2016
6940	MANAGING ASPECTS OF RECEIVE BEAMFORMING	PCT/US2015/000376	WO2017/034509	WO		3/2/2017
6941	ADAPTIVE VIDEO CONTENT FOR CELLULAR COMMUNICATION	PCT/US2015/000406	WO2016/204712	WO		12/22/2016
6942	LOW LATENCY CONTENTION BASED SCHEDULING REQUEST	PCT/US2015/000407	WO2016/204713	WO		12/22/2016
6943	NETWORK DISCOVERY AND BEAM ACQUISITION FOR BEAM CELL OPERATION	PCT/US2015/000425	WO2017/023232	WO		2/9/2017
6944	CONTENTION FREE PHYSICAL UPLINK SHARED CONTROL CHANNEL (PUSCH) TRANSMISSION USING LISTEN BEFORE TALK	PCT/US2015/000427	WO2016/182533	WO		11/17/2016
6945	CARRIER-SENSING TECHNIQUES FOR LTE-BASED TRANSMISSIONS OVER UNLICENSED CARRIERS	PCT/US2015/000439	WO2016/163973	WO		10/13/2016
6946	HARQ FEEDBACK CONFIGURATION TECHNIQUES FOR BROADBAND WIRELESS COMMUNICATION NETWORKS	PCT/US2015/000441	WO2017/026979	WO		2/16/2017
6947	ENERGY DETECTION THRESHOLD ADAPTATION FOR LICENSED ASSISTED ACCESS OF LTE IN UNLICENSED BAND	PCT/US2015/000447	WO2017/026981	WO		2/16/2017
6948	MACHINE TYPE COMMUNICATION RELAYING	PCT/US2015/000451	WO2017/030520	WO		2/23/2017
6949	BEARER BINDING IN THE PRESENCE OF A UE-TO-NETWORK RELAY	PCT/US2015/000465	WO2017/034511	WO		3/2/2017
6950	RECEIVED SIGNAL STRENGTH INDICATOR MEASUREMENT FOR LICENSED ASSISTED ACCESS	PCT/US2015/000467	WO2017/026984	WO		2/16/2017
6951	DISCOVERY REFERENCE SIGNAL TRANSMISSION FOR LTE IN UNLICENSED BAND	PCT/US2015/000496	WO2017/026985	WO		2/16/2017
6952	FALLBACK MECHANISM TO DETECT ENHANCED COVERAGE USAGE	PCT/US2015/000514	WO2017/026986	WO		2/16/2017

SCHEDULE A

No.	TITLE	Filing Number	Publication Number	Jurisdiction	Filing Date	Publication Date
6953	SYSTEMS METHODS AND DEVICES TO SUPPORT A FAST TDD CONFIGURATION INDICATION	PCT/US2015/010235	WO2015/103579	WO		7/9/2015
6954	SYSTEMS AND METHODS FOR MODULATION AND CODING SCHEME SELECTION AND CONFIGURATION	PCT/US2015/010271	WO2015/103588	WO		7/9/2015
6955	APPARATUS SYSTEM AND METHOD OF PROVIDING OFFLOADABILITY INFORMATION TO A USER-EQUIPMENT (UE)	PCT/US2015/010295	WO2015/103596	WO		7/9/2015
6956	APPARATUS SYSTEM AND METHOD OF ACCESS NETWORK DISCOVERY AND SELECTION FUNCTION (ANDSF) FOR TRAFFIC OFFLOADING	PCT/US2015/010298	WO2015/103598	WO		7/9/2015
6957	TECHNIQUES FOR A DEVICE TRIGGER RECALL/REPLACE PROCEDURE	PCT/US2015/010309	WO2015/103604	WO		7/9/2015
6958	SYSTEMS METHODS AND DEVICES FOR HYBRID FULL-DIMENSIONAL MULTIPLE-INPUT MULTIPLE-OUTPUT	PCT/US2015/010326	WO2015/103612	WO		7/9/2015
6959	CLIENT/SERVER SIGNALING COMMANDS FOR DASH	PCT/US2015/010353	WO2015/103627	WO		7/9/2015
6960	DISCONTINUOUS RECEPTION (DRX) ALIGNMENT TECHNIQUES FOR DUAL-CONNECTIVITY ARCHITECTURES	PCT/US2015/010354	WO2015/103628	WO		7/9/2015
6961	SYSTEMS AND METHODS FOR MODULATION AND CODING SCHEME SELECTION AND CONFIGURATION	PCT/US2015/010358	WO2015/103630	WO		7/9/2015
6962	SYSTEMS METHODS AND DEVICES FOR APPLICATION AWARE ACCESS CONTROL FOR COMMUNICATION ON A MOBILE NETWORK	PCT/US2015/010360	WO2015/103631	WO		7/9/2015
6963	SYSTEMS METHODS AND DEVICES FOR MULTIPLE SIGNAL CO-EXISTENCE IN MULTIPLE-USE FREQUENCY SPECTRUM	PCT/US2015/010370	WO2015/103632	WO		7/9/2015
6964	SYSTEMS METHODS AND DEVICES FOR ENHANCING SPECTRAL EFFICIENCY WITH NETWORK-ASSISTED ADVANCED RECEIVERS	PCT/US2015/010374	WO2015/103635	WO		7/9/2015
6965	INTERACTIVE VIDEO CONFERENCING	PCT/US2015/010385	WO2015/103644	WO		7/9/2015
6966	SYSTEMS METHODS AND DEVICES FOR APPLICATION SPECIFIC ROUTING IN DUAL CONNECTIVITY	PCT/US2015/011427	WO2015/116387	WO		8/6/2015
6967	APPARATUS SYSTEM AND METHOD OF CONTROLLING RADIO ACCESS TECHNOLOGY (RAT) COMMUNICATION MANAGERS	PCT/US2015/011889	WO2015/116412	WO		8/6/2015
6968	APPARATUS SYSTEM AND METHOD OF SECURING COMMUNICATIONS OF A USER EQUIPMENT (UE) IN A WIRELESS LOCAL AREA NETWORK	PCT/US2015/011891	WO2015/116413	WO		8/6/2015
6969	SCHEDULING FOR AN UNLICENSED CARRIER TYPE	PCT/US2015/012383	WO2015/126563	WO		8/27/2015
6970	MEASUREMENT GAP PATTERNS	PCT/US2015/012498	WO2015/126568	WO		8/27/2015

SCHEDULE A

No.	TITLE	Filing Number	Publication Number	Jurisdiction	Filing Date	Publication Date
6971	ENABLING D2D FUNCTIONALITY FOR PUBLIC SAFETY APPLICATIONS	PCT/US2015/013282	WO2015/116676	WO		8/6/2015
6972	SYSTEMS METHODS AND DEVICES FOR CHANNEL RESERVATION	PCT/US2015/013469	WO2015/116789	WO		8/6/2015
6973	SYSTEMS METHODS AND DEVICES FOR SELECTIVE INTERFERENCE COORDINATION IN A CELLULAR PROTOCOL	PCT/US2015/013473	WO2015/116791	WO		8/6/2015
6974	APPLICATION SPECIFIC CONGESTION CONTROL IN A WIRELESS NETWORK	PCT/US2015/013541	WO2015/116829	WO		8/6/2015
6975	SYSTEMS METHODS AND DEVICES FOR IMPROVED INTER-FREQUENCY MEASUREMENT	PCT/US2015/013691	WO2015/116901	WO		8/6/2015
6976	SYSTEM AND METHOD TO MEASURE AN ERROR RATE OF A WIRELESS LOCAL AREA NETWORK	PCT/US2015/014249	WO2015/167634	WO		11/5/2015
6977	REFERENCE SIGNAL ENHANCEMENT FOR SHARED CELL	PCT/US2015/014368	WO2015/142433	WO		9/24/2015
6978	APPARATUS SYSTEM AND METHOD OF IDENTIFYING A WIRELESS DOCKING STATION	PCT/US2015/014701	WO2015/134146	WO		9/11/2015
6979	SYSTEMS METHODS AND DEVICES FOR DEVICE-TO-DEVICE DISCOVERY AND COMMUNICATION	PCT/US2015/015454	WO2015/138076	WO		9/17/2015
6980	APPARATUSES SYSTEMS AND METHODS FOR MEASURING QUALITY OF CELL DISCOVERY SIGNAL	PCT/US2015/015505	WO2015/138077	WO		9/17/2015
6981	SYSTEMS METHODS AND DEVICES FOR OPPORTUNISTIC NETWORKING	PCT/US2015/015664	WO2015/138081	WO		9/17/2015
6982	SYSTEMS METHODS AND DEVICES FOR DEVICE-TO-DEVICE COMMUNICATION MODE SELECTION	PCT/US2015/015700	WO2015/138083	WO		9/17/2015
6983	CONVEYANCE OF APPLICATION COMMUNICATION PATTERNS FROM AN EXTERNAL APPLICATION SERVER TO A 3RD GENERATION PARTNERSHIP PROJECT SYSTEM	PCT/US2015/015778	WO2015/138084	WO		9/17/2015
6984	METHODS SYSTEMS AND DEVICES FOR MODULATION AND CODING SCHEME SIGNALING FOR COMMON CONTROL CHANNEL	PCT/US2015/016643	WO2015/142469	WO		9/24/2015
6985	DEVICE SYSTEM AND METHOD OF CONFIGURING A RADIO TRANSCEIVER	PCT/US2015/016794	WO2015/127187	WO		8/27/2015
6986	USER EQUIPMENT COMPUTER READABLE MEDIUM AND METHOD TO DETERMINE THE MOBILITY OF USER EQUIPMENT IN A LONG-TERM EVOLUTION NETWORK	PCT/US2015/016844	WO2015/127223	WO		8/27/2015
6987	CIRCUIT SWITCHED FALLBACK	PCT/US2015/017140	WO2015/127384	WO		8/27/2015
6988	USER EQUIPMENT AND EVOLVED NODE-B AND METHODS FOR RANDOM ACCESS FOR MACHINE TYPE COMMUNICATION	PCT/US2015/017235	WO2015/127424	WO		8/27/2015
6989	SYSTEMS METHODS AND DEVICES FOR DISTRIBUTED SETUP FOR A DEVICE-TO-DEVICE SESSION	PCT/US2015/017483	WO2015/148034	WO		10/1/2015

SCHEDULE A

No.	TITLE	Filing Number	Publication Number	Jurisdiction	Filing Date	Publication Date
6990	USER EQUIPMENT GENERATION AND SIGNALING OF FEEDBACK FOR SUPPORTING ADAPTIVE DEMODULATION REFERENCE SIGNAL TRANSMISSION	PCT/US2015/017747	WO2015/148041	WO		10/1/2015
6991	METHOD APPARATUS AND COMPUTER READABLE MEDIUM FOR SWITCHING BETWEEN LOWER ENERGY AND HIGHER ENERGY WIRELESS COMMUNICATION TECHNIQUES	PCT/US2015/019160	WO2015/142543	WO		9/24/2015
6992	METHOD AND APPARATUS TO ASSIST NETWORK TRAFFIC	PCT/US2015/019338	WO2015/138265	WO		9/17/2015
6993	APPARATUS AND METHODS FOR REDUCING SOFT BUFFER SIZE IN MTC DEVICES	PCT/US2015/019453	WO2015/142553	WO		9/24/2015
6994	ENHANCED NODE B UE AND METHOD FOR SELECTING CELL DISCOVERY SIGNALS IN LTE NETWORKS	PCT/US2015/019655	WO2015/138418	WO		9/17/2015
6995	CHANNEL RESERVATION FOR OPERATION IN AN UNLICENSED SPECTRUM	PCT/US2015/019994	WO2015/167672	WO		11/5/2015
6996	LOAD BALANCING IN A WIRELESS CELLULAR NETWORK BASED ON USER EQUIPMENT MOBILITY	PCT/US2015/019999	WO2015/167673	WO		11/5/2015
6997	APPARATUSES SYSTEMS AND METHODS FOR DIFFERENTIATION OF PAYLOAD SIZE FOR D2D DISCOVERY	PCT/US2015/020437	WO2015/148158	WO		10/1/2015
6998	DYNAMIC DECLARATION OF CONFORMITY AND CERTIFICATION FOR RADIO APPLICATION DISTRIBUTION	PCT/US2015/020549	WO2015/167677	WO		11/5/2015
6999	APPARATUS SYSTEM AND METHOD OF SECURING COMMUNICATIONS OF A USER EQUIPMENT (UE) IN A WIRELESS LOCAL AREA NETWORK	PCT/US2015/022125	WO2015/148434	WO		10/1/2015
7000	USER EQUIPMENT AND METHODS FOR HANDOVER USING MEASUREMENT REPORTING BASED ON MULTIPLE EVENTS	PCT/US2015/022169	WO2015/167697	WO		11/5/2015
7001	TECHNIQUES FOR COORDINATED APPLICATION OF WIRELESS NETWORK SELECTION AND TRAFFIC ROUTING RULES	PCT/US2015/022250	WO2015/148507	WO		10/1/2015
7002	USER EQUIPMENT AND METHODS FOR MEASUREMENT OF REFERENCE SIGNAL RECEIVED QUALITY	PCT/US2015/022399	WO2015/167700	WO		11/5/2015
7003	CHANNEL ACCESS PRIORITY FOR DISTRIBUTED D2D	PCT/US2015/022692	WO2015/167707	WO		11/5/2015
7004	PDCCH DESIGN FOR NARROWBAND DEPLOYMENT	PCT/US2015/022739	WO2016/018469	WO		2/4/2016
7005	NON-ORTHOGONAL MULTIPLE ACCESS (NOMA) WIRELESS SYSTEMS AND METHODS	PCT/US2015/022869	WO2015/167714	WO		11/5/2015
7006	SOLUTION TO SKIP AUTHENTICATION PROCEDURE DURING CIRCUIT-SWITCHED FALLBACK (CSFB) TO SHORTEN CALL SETUP TIME	PCT/US2015/022960	WO2015/167720	WO		11/5/2015

SCHEDULE A

No.	TITLE	Filing Number	Publication Number	Jurisdiction	Filing Date	Publication Date
7007	APPARATUS METHOD AND SYSTEM OF ESTABLISHING A CONNECTION BETWEEN A CELLULAR NODE AND A CORE NETWORK	PCT/US2015/023223	WO2015/167728	WO		11/5/2015
7008	APPARATUS SYSTEM AND METHOD OF COMMUNICATING WIRELESS LOCAL AREA NETWORK (WLAN) OFFLOADING INFORMATION BETWEEN CELLULAR MANAGERS	PCT/US2015/024001	WO2015/171221	WO		11/12/2015
7009	TECHNIQUES TO MANAGE RADIO FREQUENCY CHAINS	PCT/US2015/024806	WO2015/171237	WO		11/12/2015
7010	MOBILITY MANAGEMENT ENTITY USER EQUIPMENT AND METHODS FOR MACHINE TYPE COMMUNICATION	PCT/US2015/024878	WO2015/171242	WO		11/12/2015
7011	TENTATIVE GRANT FOR EFFICIENT DEVICE TO DEVICE COMMUNICATIONS	PCT/US2015/024946	WO2015/171245	WO		11/12/2015
7012	SYSTEMS METHODS AND DEVICES FOR PRIORITIZING INTER-FREQUENCY MEASUREMENTS	PCT/US2015/024996	WO2015/171249	WO		11/12/2015
7013	SYSTEMS METHODS AND DEVICES FOR CONFIGURING MEASUREMENT GAPS FOR DUAL CONNECTIVITY	PCT/US2015/025186	WO2015/171253	WO		11/12/2015
7014	SYSTEMS METHODS AND DEVICES FOR CELL SELECTION BASED ON PRIORITIZED NODES	PCT/US2015/025189	WO2015/171254	WO		11/12/2015
7015	SYSTEMS METHODS AND DEVICES FOR SYNCHRONIZATION SOURCE SELECTION FOR DEVICE-TO-DEVICE COMMUNICATION	PCT/US2015/025387	WO2015/171261	WO		11/12/2015
7016	SYSTEMS METHODS AND DEVICES FOR FLEXIBLE RETRANSMISSIONS	PCT/US2015/025431	WO2015/171262	WO		11/12/2015
7017	SYSTEMS DEVICES AND METHODS FOR ALIGNMENT PROCEDURES IN DUAL-CONNECTIVITY NETWORKS	PCT/US2015/027119	WO2015/171318	WO		11/12/2015
7018	SYSTEMS DEVICES AND METHODS FOR LONG TERM EVOLUTION AND WIRELESS LOCAL AREA INTERWORKING	PCT/US2015/027123	WO2015/171320	WO		11/12/2015
7019	USER EQUIPMENT AND METHODS FOR HANDOVER INITIATION	PCT/US2015/027471	WO2015/164712	WO		10/29/2015
7020	SIMULTANEOUS SCHEDULING REQUEST TRANSMISSION IN DUAL CONNECTIVITY	PCT/US2015/027710	WO2015/167981	WO		11/5/2015
7021	LISTEN BEFORE TALK PROTOCOL SELECTION	PCT/US2015/027811	WO2015/168028	WO		11/5/2015
7022	LAWFUL INTERCEPT REPORTING IN WIRELESS NETWORKS USING PUBLIC SAFETY RELAYS	PCT/US2015/029450	WO2015/171750	WO		11/12/2015
7023	SYSTEMS DEVICES AND METHODS FOR INTERWORKING BETWEEN A UNIVERSAL MOBILE TELECOMMUNICATIONS SYSTEM (UMTS) NETWORK AND A WIRELESS LOCAL AREA NETWORK (WLAN)	PCT/US2015/029740	WO2015/171926	WO		11/12/2015
7024	USER EQUIPMENT AND METHODS TO INDICATE POWER SAVING MODE CONFIGURATION TO RAN NODES	PCT/US2015/029830	WO2015/171984	WO		11/12/2015

SCHEDULE A

No.	TITLE	Filing Number	Publication Number	Jurisdiction	Filing Date	Publication Date
7025	PRIORITIZED CELL IDENTIFICATION AND MEASUREMENT METHOD	PCT/US2015/029953	WO2015/172061	WO		11/12/2015
7026	COMMUNICATION SYSTEMS AND METHODS	PCT/US2015/031513	WO2015/187357	WO		12/10/2015
7027	COMMUNICATION SYSTEMS AND METHODS	PCT/US2015/033392	WO2015/199902	WO		12/30/2015
7028	DEVICES AND METHOD FOR RETRIEVING AND UTILIZING NEIGHBORING WLAN INFORMATION FOR LTE LAA OPERATION	PCT/US2015/033549	WO2015/187565	WO		12/10/2015
7029	EVOLVED NODE-B USER EQUIPMENT AND METHODS FOR HYBRID AUTOMATIC REPEAT REQUEST (HARQ) COMMUNICATION	PCT/US2015/033677	WO2015/187623	WO		12/10/2015
7030	SYSTEM AND METHOD FOR TDD COMMUNICATIONS	PCT/US2015/034066	WO2016/014155	WO		1/28/2016
7031	LTE-U COMMUNICATION DEVICES AND METHODS FOR APERIODIC BEACON AND REFERENCE SIGNAL TRANSMISSION	PCT/US2015/034141	WO2015/199932	WO		12/30/2015
7032	TRANSMISSION OF COMMON CONTROL MESSAGES FOR MACHINE-TYPE COMMUNICATION (MTC) USER EQUIPMENTS WITH REDUCED BANDWIDTH	PCT/US2015/034274	WO2016/048422	WO		3/31/2016
7033	NEIGHBOR CELL SYSTEM INFORMATION PROVISIONING	PCT/US2015/034957	WO2016/014159	WO		1/28/2016
7034	SYSTEM AND METHOD FOR MEASUREMENT REPORTING IN AN UNLICENSED SPECTRUM	PCT/US2015/034958	WO2016/003610	WO		1/7/2016
7035	CONTROL OF TRAFFIC FROM APPLICATIONS WHEN THIRD PARTY SERVERS ENCOUNTER PROBLEMS	PCT/US2015/035937	WO2016/022213	WO		2/11/2016
7036	SYSTEMS METHODS AND DEVICES FOR PROXIMITY SERVICES FOR MULTI-CARRIER CAPABLE MOBILE DEVICES	PCT/US2015/036261	WO2016/022214	WO		2/11/2016
7037	SYSTEMS APPARATUSES AND METHODS FOR LIGHTWEIGHT OVER-THE-AIR SIGNALING MECHANISMS IN DATA COMMUNICATIONS	PCT/US2015/036327	WO2016/014179	WO		1/28/2016
7038	LOAD BALANCING SCHEMES FOR IDLE MODE USER EQUIPMENT	PCT/US2015/036687	WO2016/025078	WO		2/18/2016
7039	MOBILE COMMUNICATION IN MACRO-CELL ASSISTED SMALL CELL NETWORKS	PCT/US2015/037361	WO2016/053426	WO		4/7/2016
7040	TECHNIQUES FOR SECURELY RECEIVING CRITICAL COMMUNICATION CONTENT ASSOCIATED WITH A CRITICAL COMMUNICATION SERVICE	PCT/US2015/037576	WO2016/003750	WO		1/7/2016
7041	USER EQUIPMENT AND METHOD FOR COMMUNICATING ON CELLS CONFIGURED FOR LICENSED ASSISTED ACCESS (LAA)	PCT/US2015/037632	WO2016/073039	WO		5/12/2016
7042	SYSTEMS AND METHODS FOR VARIED CELL BARRING TIMES	PCT/US2015/037735	WO2016/018542	WO		2/4/2016

SCHEDULE A

No.	TITLE	Filing Number	Publication Number	Jurisdiction	Filing Date	Publication Date
7043	METHOD AND APPARATUS OF UE AND ENB FOR MTC WITH NARROWBAND DEPLOYMENT	PCT/US2015/037745	WO2015/200667	WO		12/30/2015
7044	APPARATUSES SYSTEMS AND METHODS FOR PROBABILISTIC TRANSMISSION OF DEVICE-TO-DEVICE (D2D) DISCOVERY MESSAGES	PCT/US2015/037885	WO2016/048428	WO		3/31/2016
7045	POSITIONING WITH WLAN TIME OF FLIGHT	PCT/US2015/037910	WO2016/126280	WO		8/11/2016
7046	METHODS APPARATUS OF ENB AND UE FOR MTC WITH NARROWBAND DEPLOYMENT	PCT/US2015/038000	WO2015/200804	WO		12/30/2015
7047	AN APPARATUS AND METHOD ENHANCING QUALITY OF SERVICE ARCHITECTURE FOR LTE	PCT/US2015/038010	WO2016/003805	WO		1/7/2016
7048	PREVENTING A MOBILE DEVICE FROM REPEATING A REQUEST TOWARD A MOBILE NETWORK	PCT/US2015/038064	WO2016/003818	WO		1/7/2016
7049	APPARATUSES SYSTEMS AND METHODS FOR PAGING ENHANCEMENTS FOR LOW COMPLEXITY USER EQUIPMENT	PCT/US2015/038657	WO2016/004102	WO		1/7/2016
7050	INCREASED CARRIER MONITORING	PCT/US2015/038674	WO2016/048429	WO		3/31/2016
7051	NETWORK FUNCTIONS VIRTUALIZATION	PCT/US2015/038675	WO2016/048430	WO		3/31/2016
7052	MODIFIED ARCHITECTURE FOR CLOUD RADIO ACCESS NETWORKS AND APPROACH FOR COMPRESSION OF FRONT-HAUL DATA	PCT/US2015/038679	WO2016/039839	WO		3/17/2016
7053	CODEBOOK FOR FULL-DIMENSION MULTIPLE INPUT MULTIPLE OUTPUT COMMUNICATIONS	PCT/US2015/041600	WO2016/048440	WO		3/31/2016
7054	DOWNLINK CONTROL INFORMATION (DCI) DESIGN FOR LTE DEVICES	PCT/US2015/041800	WO2016/053450	WO		4/7/2016
7055	METHODS AND APPARATUSES OF WLAN ALARM NOTIFICATION IN CELLULAR NETWORKS	PCT/US2015/042068	WO2016/057101	WO		4/14/2016
7056	CONNECTION CONTROL FOR MACHINE TYPE COMMUNICATION (MTC) DEVICES	PCT/US2015/042975	WO2016/064458	WO		4/28/2016
7057	VIRTUALIZED NETWORK FUNCTION MANAGEMENT	PCT/US2015/043826	WO2016/022698	WO		2/11/2016
7058	DEVICE SYSTEM AND METHOD EMPLOYING UNIFIED FLEXIBLE 5G AIR INTERFACE	PCT/US2015/044628	WO2016/130175	WO		8/18/2016
7059	PRINCIPAL EIGEN BEAM QUANTIZATION FOR MIMO SYSTEMS	PCT/US2015/044737	WO2016/011461	WO		1/21/2016
7060	METHODS AND APPARATUS OF EVOLVED NODE B AND USER EQUIPMENT FOR CAPABILITY INFORMATION SETTING	PCT/US2015/044763	WO2016/025548	WO		2/18/2016
7061	SYSTEM AND METHOD OF MTC DEVICE OPERATIONS	PCT/US2015/046548	WO2016/048519	WO		3/31/2016
7062	SYSTEM AND METHOD OF HANDLING UPLINK TRANSMISSION COLLISION FOR ENHANCED COVERAGE MODE UES	PCT/US2015/046671	WO2016/048522	WO		3/31/2016

SCHEDULE A

No.	TITLE	Filing Number	Publication Number	Jurisdiction	Filing Date	Publication Date
7063	SMOOTH UE TRANSFER WITHIN AN EVOLVED PACKET CORE	PCT/US2015/047222	WO2016/048573	WO		3/31/2016
7064	SYSTEMS AND METHODS FOR MANAGING CIRCUIT SWITCHED FALLBACK CALLS	PCT/US2015/047230	WO2016/053520	WO		4/7/2016
7065	COVERAGE CONSTRAINED DEVICES AND PAGING METHOD	PCT/US2015/048061	WO2016/057137	WO		4/14/2016
7066	OPPORTUNISTIC SIGNAL TRANSMISSION FOR INTER-RAT CO-EXISTENCE	PCT/US2015/048496	WO2016/057144	WO		4/14/2016
7067	METHODS AND APPARATUSES FOR MACHINE-TYPE COMMUNICATIONS IN CELLULAR NETWORKS	PCT/US2015/048682	WO2016/167828	WO		10/20/2016
7068	APPARATUS SYSTEM AND METHOD OF RELAY BACKHAULING WITH MILLIMETER WAVE CARRIER AGGREGATION	PCT/US2015/049532	WO2016/044069	WO		3/24/2016
7069	APPARATUS AND METHOD OF PROVIDING A FLEXIBLE GUARD INTERVAL FOR BLOCK SINGLE CARRIER TRANSMISSION	PCT/US2015/049713	WO2016/114824	WO		7/21/2016
7070	CARRIAGE OF MEDIA CONTENT QUALITY INFORMATION	PCT/US2015/050025	WO2016/060766	WO		4/21/2016
7071	USER EQUIPMENT AND METHODS FOR PHYSICAL UPLINK CONTROL CHANNEL (PUCCH) RESOURCE ALLOCATION AND COMMUNICATION	PCT/US2015/050250	WO2016/171748	WO		10/27/2016
7072	SYSTEMS METHODS AND APPARATUSES FOR BEARER SPLITTING IN MULTI-RADIO HETNET	PCT/US2015/051045	WO2016/064499	WO		4/28/2016
7073	SYSTEMS METHODS AND DEVICES FOR RADIO ACCESS TECHNOLOGY COORDINATION	PCT/US2015/051171	WO2016/137532	WO		9/1/2016
7074	SYSTEMS METHODS AND DEVICES FOR UPLINK TRANSMISSIONS WITH REDUCED SIGNALING OVERHEAD	PCT/US2015/051432	WO2016/153548	WO		9/29/2016
7075	APPARATUS SYSTEM AND METHOD OF WIRELESS LOCAL AREA NETWORK (WLAN) SETTING OF A USER EQUIPMENT (UE)	PCT/US2015/052080	WO2016/049386	WO		3/31/2016
7076	APPARATUS SYSTEM AND METHOD OF OFFLOADING TRAFFIC OF A SECONDARY CELL GROUP (SCG)	PCT/US2015/052081	WO2016/144383	WO		9/15/2016
7077	UPLINK TRAFFIC CONTROL METHOD IN TIGHTLY INTEGRATED WIFI/LTE	PCT/US2015/052189	WO2016/060823	WO		4/21/2016
7078	SEAMLESS MOBILITY FOR 5G AND LTE SYSTEMS AND DEVICES	PCT/US2015/052392	WO2016/195735	WO		12/8/2016
7079	ATTENTION (AT) COMMANDS FOR PACKET DATA NETWORK CONNECTION OFFLOAD	PCT/US2015/052444	WO2016/186685	WO		11/24/2016
7080	USER EQUIPMENT AND METHODS FOR CSI MEASUREMENTS WITH REDUCED BANDWIDTH SUPPORT	PCT/US2015/053947	WO2016/073099	WO		5/12/2016
7081	SYSTEM AND METHOD TO ADDRESS RESOURCE COLLISION FOR ASYMMETRIC REGION ALLOCATION	PCT/US2015/054089	WO2016/073106	WO		5/12/2016

SCHEDULE A

No.	TITLE	Filing Number	Publication Number	Jurisdiction	Filing Date	Publication Date
7082	APPARATUS SYSTEM AND METHOD OF COMMUNICATING BETWEEN A CELLULAR MANAGER AND A USER EQUIPMENT (UE) VIA A WLAN ACCESS DEVICE	PCT/US2015/054161	WO2016/073113	WO		5/12/2016
7083	RAN PAGING MECHANISM TO ENABLE ENHANCED COVERAGE MODE	PCT/US2015/054230	WO2016/073118	WO		5/12/2016
7084	COMPUTING APPARATUS WITH CROSS-SUBFRAME SCHEDULING	PCT/US2015/054318	WO2016/073122	WO		5/12/2016
7085	ARCHITECTURE FOR WIRELESS NETWORK ACCESS	PCT/US2015/054879	WO2017/062028	WO		4/13/2017
7086	AN APPARATUS AND METHOD FOR NETWORK ASSISTED DOMAIN SELECTION	PCT/US2015/055436	WO2016/081098	WO		5/26/2016
7087	METHODS AND APPARATUSES FOR FLEXIBLE MOBILE STEERING IN CELLULAR NETWORKS	PCT/US2015/055898	WO2016/061436	WO		4/21/2016
7088	SYSTEMS AND METHODS FOR SIGNALING IN AN INCREASED CARRIER MONITORING WIRELESS COMMUNICATION ENVIRONMENT	PCT/US2015/056011	WO2016/081116	WO		5/26/2016
7089	DEVICE SYSTEM AND METHOD OF QUASI-ORTHOGONAL MULTIPLE ACCESS	PCT/US2015/056152	WO2016/153555	WO		9/29/2016
7090	SYSTEMS METHODS AND DEVICES FOR DIRECT COMMUNICATION	PCT/US2015/056179	WO2016/118199	WO		7/28/2016
7091	METHODS AND APPARATUSES TO FORM SELF-ORGANIZED MULTI-HOP MILLIMETER WAVE BACKHAUL LINKS	PCT/US2015/056758	WO2016/065068	WO		4/28/2016
7092	SYSTEMS METHODS AND DEVICES FOR DIRECT COMMUNICATION USING A PC5 PROTOCOL	PCT/US2015/057371	WO2016/118202	WO		7/28/2016
7093	INTERACTIVE VIDEO CONFERENCING	PCT/US2015/058734	WO2016/089519	WO		6/9/2016
7094	EARLY TERMINATION OF REPEATED TRANSMISSIONS FOR MTC	PCT/US2015/059016	WO2016/073591	WO		5/12/2016
7095	ENHANCED PHYSICAL DOWNLINK CONTROL CHANNEL IN MACHINE-TYPE COMMUNICATION	PCT/US2015/059303	WO2016/073762	WO		5/12/2016
7096	SYSTEMS APPARATUSES AND METHODS FOR MANAGING USER EQUIPMENT MOBILITY INFORMATION	PCT/US2015/060266	WO2016/094019	WO		6/16/2016
7097	QUANTIZED EIGEN BEAMS FOR CONTROLLING ANTENNA ARRAY ELEMENTS IN A WIRELESS NETWORK	PCT/US2015/060592	WO2016/081303	WO		5/26/2016
7098	TRAFFIC ENGINEERING IN HETEROGENEOUS MILLIMETER-WAVE AND LTE SMALL CELL SYSTEMS	PCT/US2015/060597	WO2016/099728	WO		6/23/2016
7099	NETWORK-INITIATED DISCOVERY AND PATH SELECTION PROCEDURES FOR MULTI-HOP UNDERLAY NETWORKS	PCT/US2015/060655	WO2016/109032	WO		7/7/2016
7100	SUBSCRIBER IDENTITY MODULE PROVIDER APPARATUS FOR OVER-THE-AIR PROVISIONING OF SUBSCRIBER IDENTITY MODULE CONTAINERS AND METHODS	PCT/US2015/060865	WO2016/099735	WO		6/23/2016

SCHEDULE A

No.	TITLE	Filing Number	Publication Number	Jurisdiction	Filing Date	Publication Date
7101	LISTEN BEFORE TALK (LBT) DESIGN FOR UPLINK LICENSED ASSISTED ACCESS (LAA) OPERATION IN UNLICENSED BAND	PCT/US2015/060902	WO2016/081375	WO		5/26/2016
7102	USER EQUIPMENT (UE) AND METHODS FOR DYNAMIC MILLIMETER WAVE PENCIL CELL COMMUNICATION	PCT/US2015/061486	WO2017/019116	WO		2/2/2017
7103	REFERENCE SIGNAL PRESENCE DETECTION BASED LICENSE ASSISTED ACCESS AND REFERENCE SIGNAL SEQUENCE DESIGN	PCT/US2015/061829	WO2016/099801	WO		6/23/2016
7104	DEVICE AND METHOD TO IMPROVE HORIZONTAL AND VERTICAL POSITIONING ACCURACY	PCT/US2015/062281	WO2016/122761	WO		8/4/2016
7105	PROVISIONING OF APPLICATION CATEGORIES AT A USER EQUIPMENT DURING NETWORK CONGESTION	PCT/US2015/062790	WO2016/111769	WO		7/14/2016
7106	USER EQUIPMENT AND METHOD FOR TRANSMITTING A DATA STREAM TO AN EVOLVED NODE B	PCT/US2015/063456	WO2016/099889	WO		6/23/2016
7107	TRANSMISSION DESIGNS FOR RADIO ACCESS TECHNOLOGIES	PCT/US2015/063803	WO2016/171765	WO		10/27/2016
7108	PDCP STATUS REPORTING FOR MULTI-RAT OFFLOADING	PCT/US2015/064448	WO2016/186697	WO		11/24/2016
7109	PUBLIC SAFETY DISCOVERY AND COMMUNICATION USING A UE-TO-UE RELAY	PCT/US2015/064467	WO2016/114864	WO		7/21/2016
7110	DEVICES AND METHODS FOR HARQ-ACK FEEDBACK SCHEME ON PUSCH IN WIRELESS COMMUNICATION SYSTEMS	PCT/US2015/064477	WO2016/118240	WO		7/28/2016
7111	DEVICES AND METHODS FOR EPDCCH MONITORING IN WIRELESS COMMUNICATION SYSTEMS	PCT/US2015/064497	WO2016/118241	WO		7/28/2016
7112	TECHNIQUES FOR MONITORING VIRTUALIZED NETWORK FUNCTIONS OR NETWORK FUNCTIONS VIRTUALIZATION INFRASTRUCTURE	PCT/US2015/064689	WO2016/114866	WO		7/21/2016
7113	SYSTEM AND METHODS FOR SUPPORT OF FREQUENCY HOPPING FOR UES WITH REDUCED BANDWIDTH SUPPORT	PCT/US2015/064763	WO2016/122782	WO		8/4/2016
7114	AGGREGATED SIGNALING FOR MACHINE TYPE COMMUNICATION (MTC) DEVICES	PCT/US2015/064820	WO2017/099766	WO		6/15/2017
7115	UE-TO-NETWORK RELAY INITIATION AND CONFIGURATION	PCT/US2015/064833	WO2016/182597	WO		11/17/2016
7116	UPLINK SCHEDULING FOR LICENSE ASSISTED ACCESS	PCT/US2015/064925	WO2016/122784	WO		8/4/2016
7117	NON-CONTENTION BASED LOW LATENCY SCHEDULING REQUEST TRANSMISSION	PCT/US2015/064964	WO2016/186698	WO		11/24/2016
7118	TRANSMIT BEAMFORMING	PCT/US2015/065161	WO2017/030601	WO		2/23/2017
7119	LAA (LICENSE ASSISTED ACCESS) BURST CONTROL INFORMATION	PCT/US2015/065230	WO2016/122786	WO		8/4/2016

SCHEDULE A

No.	TITLE	Filing Number	Publication Number	Jurisdiction	Filing Date	Publication Date
7120	JOINT PROCESSING OF TRANSPORT BLOCKS ON MULTIPLE COMPONENT CARRIERS FOR CA (CARRIER AGGREGATION) AND LAA (LICENSE ASSISTED ACCESS)	PCT/US2015/065254	WO2016/105978	WO		6/30/2016
7121	EVOLVED NODE-B (ENB) USER EQUIPMENT (UE) AND METHODS FOR FLEXIBLE DUPLEX COMMUNICATION	PCT/US2015/065284	WO2017/044141	WO		3/16/2017
7122	BEAMFORMING TRAINING REFERENCE SIGNAL DESIGN	PCT/US2015/065341	WO2017/030602	WO		2/23/2017
7123	USER EQUIPMENT RADIO-FREQUENCY AND BAND CAPABILITY FOR CARRIER AGGREGATION MEASUREMENT GAP	PCT/US2015/065519	WO2016/164081	WO		10/13/2016
7124	UPLINK RESOURCE COLLISION REDUCTION IN FD-MIMO	PCT/US2015/065522	WO2016/204807	WO		12/22/2016
7125	USER EQUIPMENT (UE) AND METHODS FOR COMMUNICATION USING DIRECTIONAL TRANSMISSION AND RECEPTION	PCT/US2015/065548	WO2017/007502	WO		1/12/2017
7126	DYNAMIC PARTITION RESOURCE ALLOCATION IN 5G NETWORKS	PCT/US2015/065770	WO2016/209311	WO		12/29/2016
7127	USER EQUIPMENT CONTROLLED MOBILITY IN AN EVOLVED RADIO ACCESS NETWORK	PCT/US2015/066000	WO2016/164083	WO		10/13/2016
7128	PERFORMING MISSION CRITICAL COMMUNICATIONS AT A USER EQUIPMENT (UE)	PCT/US2015/066149	WO2017/023352	WO		2/9/2017
7129	COMMUNICATION TERMINAL AND METHOD FOR PERFORMING A CELL SELECTION OR RESELECTION	PCT/US2015/066544	WO2017/105474	WO		6/22/2017
7130	COMMUNICATION TERMINAL AND METHOD FOR CHANNEL ESTIMATION	PCT/US2015/066581	WO2017/105477	WO		6/22/2017
7131	AN APPARATUS AND METHOD FOR REPORTING SYSTEM FRAME NUMBER (SFN) AND SUBFRAME OFFSET IN DUAL CONNECTIVITY (DC) ENHANCEMENT	PCT/US2015/066631	WO2017/034604	WO		3/2/2017
7132	ACK/NACK SIGNALS FOR NEXT GENERATION LTE DEVICES AND SYSTEMS	PCT/US2015/066655	WO2016/204811	WO		12/22/2016
7133	RADIO NETWORK ACCESS OF WEARABLE DEVICES	PCT/US2015/066666	WO2017/044143	WO		3/16/2017
7134	DUAL CONNECTIVITY FOR RELIABILITY	PCT/US2015/066688	WO2017/039736	WO		3/9/2017
7135	POSITIONING REFERENCE SYSTEM (PRS) DESIGN ENHANCEMENT	PCT/US2015/066740	WO2016/164085	WO		10/13/2016
7136	DISTRIBUTED LINK SCHEDULING TECHNIQUE FOR DEVICE TO DEVICE COMMUNICATION	PCT/US2015/066744	WO2017/003508	WO		1/5/2017
7137	POWER HEADROOM REPORTING WITH CHANNEL SELECTION	PCT/US2015/066772	WO2016/122803	WO		8/4/2016
7138	A Successive Joint Channel Estimation based Interference Cancellation Scheme against Colliding Interferences	PCT/US2015/066832	WO2017/105509	WO		6/22/2017
7139	PHYSICAL BROADCAST CHANNEL DESIGN	PCT/US2015/066922	WO2017/019120	WO		2/2/2017

SCHEDULE A

No.	TITLE	Filing Number	Publication Number	Jurisdiction	Filing Date	Publication Date
7140	BEAMFORMED PHYSICAL DOWNLINK CONTROL CHANNELS (BPDCCHS) FOR NARROW BEAM BASED WIRELESS COMMUNICATION	PCT/US2015/066935	WO2017/039737	WO		3/9/2017
7141	COMMUNICATION DEVICE AND METHOD FOR PERFORMING RADIO COMMUNICATION	PCT/US2015/066969	WO2017/111882	WO		6/29/2017
7142	SYSTEMS METHODS AND DEVICES FOR LICENSED SHARED ACCESS MANAGEMENT WITH DISTRIBUTED INFORMATION STORAGE	PCT/US2015/066994	WO2016/114905	WO		7/21/2016
7143	ENHANCED SOUNDING REFERENCE SIGNALING FOR UPLINK BEAM TRACKING	PCT/US2015/067014	WO2017/027055	WO		2/16/2017
7144	WIRELESS PERSONAL AREA NETWORK UNDERLYING CELLULAR NETWORKS	PCT/US2015/067049	WO2017/039738	WO		3/9/2017
7145	DYNAMICALLY BEAMFORMED CONTROL CHANNEL FOR BEAMFORMED CELLS	PCT/US2015/067071	WO2017/062050	WO		4/13/2017
7146	CONVERGENCE LAYER FOR 5G COMMUNICATION SYSTEMS	PCT/US2015/067077	WO2017/014802	WO		1/26/2017
7147	DEVICE AND METHOD OF CONFIGURABLE SYNCHRONIZATION SIGNAL AND CHANNEL DESIGN	PCT/US2015/067078	WO2016/182602	WO		11/17/2016
7148	SECURE DIRECT DISCOVERY AMONG USER EQUIPMENT	PCT/US2015/067088	WO2017/027056	WO		2/16/2017
7149	METHODS AND APPARATUSES FOR CHANNEL ESTIMATION FOR NB-PBCH IN NB-LTE SYSTEMS	PCT/US2015/067094	WO2017/039739	WO		3/9/2017
7150	REFERENCE SIGNALS FOR INITIAL ACQUISITION IN 5G SYSTEMS	PCT/US2015/067102	WO2017/044144	WO		3/16/2017
7151	SYSTEMS METHODS AND DEVICES FOR SHARING A WIRELESS MEDIUM USING LISTEN BEFORE TALK	PCT/US2015/067108	WO2017/052677	WO		3/30/2017
7152	USER EQUIPMENT CAPABILITY REPORTING	PCT/US2015/067158	WO2017/027057	WO		2/16/2017
7153	DEVICES AND METHODS OF USING NETWORK FUNCTION VIRTUALIZATION AND VIRTUALIZED RESOURCES PERFORMANCE DATA TO IMPROVE PERFORMANCE	PCT/US2015/067280	WO2017/058274	WO		4/6/2017
7154	INTER-BEAM MOBILITY CONTROL IN MIMO COMMUNICATION SYSTEMS	PCT/US2015/067290	WO2017/034607	WO		3/2/2017
7155	BEAM INTERPOLATION IN MASSIVE MIMO SYSTEMS	PCT/US2015/067320	WO2017/048311	WO		3/23/2017
7156	LATENCY REDUCTION TECHNIQUES FOR RADIO ACCESS NETWORKS	PCT/US2015/067331	WO2016/195754	WO		12/8/2016
7157	CELL SPECIFIC GROUP MEASUREMENT GAP FOR CARRIER AGGREGATION	PCT/US2015/067342	WO2016/164087	WO		10/13/2016
7158	IMS EMERGENCY CALL ROUTING TECHNIQUES	PCT/US2015/067357	WO2017/027058	WO		2/16/2017
7159	APPLICATION SPECIFIC CONGESTION CONTROL FOR DATA COMMUNICATIONS	PCT/US2015/067378	WO2016/118282	WO		7/28/2016

SCHEDULE A

No.	TITLE	Filing Number	Publication Number	Jurisdiction	Filing Date	Publication Date
7160	OTDOA (OBSERVED TIME DIFFERENCE OF ARRIVAL) POSITIONING ENHANCEMENT BY USING HETEROGENEOUS REFERENCE SIGNALS	PCT/US2015/067400	WO2016/122812	WO		8/4/2016
7161	ADAPTIVE VIDEO STREAMING USING DYNAMIC RADIO ACCESS NETWORK INFORMATION	PCT/US2015/067428	WO2016/204815	WO		12/22/2016
7162	CARRIER AGGREGATION ENHANCEMENTS FOR UNLICENSED SPECTRUM AND 5G	PCT/US2015/067518	WO2016/122814	WO		8/4/2016
7163	SYSTEMS AND METHODS FOR AGGREGATING AN ENHANCED MULTIMEDIA BROADCAST MULTICAST SERVICE OVER MULTIPLE FREQUENCY CARRIERS	PCT/US2016/012867	WO2016/130250	WO		8/18/2016
7164	SYSTEMS METHODS AND DEVICES FOR DEVICE-TO-DEVICE RELAY COMMUNICATION	PCT/US2016/013195	WO2016/144425	WO		9/15/2016
7165	ELECTRONIC DEVICES AND METHOD OF CONTROLLING AN ELECTRONIC DEVICE	PCT/US2016/013513	WO2016/133617	WO		8/25/2016
7166	PROCEDURES TO PROVISION AND ATTACH A CELLULAR INTERNET OF THINGS DEVICE TO A CLOUD SERVICE PROVIDER	PCT/US2016/014820	WO2016/148773	WO		9/22/2016
7167	DEVICE SYSTEM AND METHOD OF CELL SPECIFIC PROBABILITY LOAD BALANCING	PCT/US2016/015282	WO2016/164095	WO		10/13/2016
7168	RADIO RESOURCE MANAGEMENT (RRM) REPORTING FOR LICENSED ASSISTED ACCESS (LAA)	PCT/US2016/015810	WO2016/123568	WO		8/4/2016
7169	METHODS APPARATUSES AND SYSTEMS FOR ENHANCEMENT OF EVOLVED PHYSICAL DOWNLINK CONTROL CHANNEL FOR MACHINE TYPE COMMUNICATIONS	PCT/US2016/016425	WO2016/164099	WO		10/13/2016
7170	MME OVERLOAD OR UNDERLOAD MITIGATION BY MME VNF APPARATUS AND METHOD	PCT/US2016/016426	WO2016/148790	WO		9/22/2016
7171	RANDOM ACCESS PROCEDURE FOR ENHANCED COVERAGE SUPPORT	PCT/US2016/016429	WO2016/164100	WO		10/13/2016
7172	SYSTEMS METHODS AND DEVICES FOR SECURE DEVICE-TO-DEVICE DISCOVERY AND COMMUNICATION	PCT/US2016/018180	WO2016/148819	WO		9/22/2016
7173	METHODS AND DEVICES FOR MULTI-DEVICE LINK AGGREGATION	PCT/US2016/019718	WO2016/160203	WO		10/6/2016
7174	METHOD OF MEASUREMENT GAP ENHANCEMENT	PCT/US2016/019984	WO2017/027066	WO		2/16/2017
7175	SLICE-BASED OPERATION IN WIRELESS NETWORKS WITH END-TO-END NETWORK SLICING	PCT/US2016/020027	WO2017/074486	WO		5/4/2017
7176	RAN RE-ARCHITECTURE FOR NETWORK SLICING	PCT/US2016/020029	WO2017/078770	WO		5/11/2017
7177	AIR INTERFACE SLICING ARCHITECTURE FOR WIRELESS COMMUNICATION SYSTEMS	PCT/US2016/020034	WO2017/044151	WO		3/16/2017

SCHEDULE A

No.	TITLE	Filing Number	Publication Number	Jurisdiction	Filing Date	Publication Date
7178	SLICEABLE RADIO ACCESS NETWORK ARCHITECTURE FOR WIRELESS COMMUNICATIONS	PCT/US2016/020071	WO2017/044153	WO		3/16/2017
7179	PERSONAL AREA NETWORK COMMUNICATION FOR WEARABLE DEVICES	PCT/US2016/020096	WO2017/074487	WO		5/4/2017
7180	HORIZONTAL NETWORK SLICING IN A WIRELESS NETWORK	PCT/US2016/020111	WO2017/099826	WO		6/15/2017
7181	OPPORTUNISTIC ACCESS OF MILLIMETERWAVE RADIO ACCESS TECHNOLOGY BASED ON EDGE CLOUD MOBILE PROXY	PCT/US2016/020741	WO2016/141213	WO		9/9/2016
7182	DEVICES AND METHODS FOR ROBUST MEASUREMENT AND DATA RECEIVING	PCT/US2016/021440	WO2017/074488	WO		5/4/2017
7183	USER EQUIPMENT (UE) AND METHODS FOR REGISTRATION OF CIRCUIT-SWITCHED (CS) SERVICES IN MULTI-MODE OPERATION	PCT/US2016/021489	WO2017/058281	WO		4/6/2017
7184	AT COMMAND FOR SECURE ESM INFORMATION	PCT/US2016/022172	WO2016/175926	WO		11/3/2016
7185	LISTEN BEFORE TALK FOR DISCOVERY REFERENCE SIGNAL TRANSMISSION IN UNLICENSED SPECTRUM	PCT/US2016/022447	WO2017/078775	WO		5/11/2017
7186	SCHEDULING REQUEST IN EXTREMELY HIGH FREQUENCY SYSTEMS	PCT/US2016/023362	WO2017/116491	WO		7/6/2017
7187	EVOLVED NODE-B SHARED SPECTRUM CONTROLLER AND METHOD FOR COMMUNICATION IN SHARED SPECTRUM	PCT/US2016/023384	WO2016/182634	WO		11/17/2016
7188	APPARATUSES FOR DMRS DESIGN OR PROCESSING FOR GUARD INTERVAL OR ZERO TAIL DFT SPREAD OFDM SYSTEMS	PCT/US2016/023689	WO2017/065825	WO		4/20/2017
7189	DEVICES AND METHODS OF MOBILITY ENHANCEMENT AND WEARABLE DEVICE PATH SELECTION	PCT/US2016/023802	WO2017/099828	WO		6/15/2017
7190	DEVICES AND METHODS FOR PROVIDING 5G UPLINK REQUEST	PCT/US2016/023952	WO2017/127126	WO		7/27/2017
7191	CIOT ARCHITECTURE FOR EFFICIENT DATA TRANSMISSION	PCT/US2016/023994	WO2017/027071	WO		2/16/2017
7192	USER PLANE RESOURCE ALLOCATION	PCT/US2016/024271	WO2017/078776	WO		5/11/2017
7193	DESIGN AND TRANSMISSION OF (E)PDCCH WITHIN PARTIAL SUBFRAME IN LICENSED ASSISTED ACCESS (LAA)	PCT/US2016/024440	WO2017/074489	WO		5/4/2017
7194	CONTENTION WINDOW SIZE ADAPTATION	PCT/US2016/024455	WO2017/069798	WO		4/27/2017
7195	A TIME DIVISION DUPLEX (TDD) SYSTEM WITH A LOW LATENCY AND HIGH THROUGHPUT SUBFRAME STRUCTURE	PCT/US2016/024474	WO2017/091243	WO		6/1/2017
7196	EVENTS TO TRIGGER BRS-RP (BEAM REFERENCE SIGNAL RECEIVED POWER) REPORT	PCT/US2016/024476	WO2017/099830	WO		6/15/2017
7197	CONTROL SIGNALING IN MULTIPLE BEAM OPERATION	PCT/US2016/024497	WO2017/099831	WO		6/15/2017
7198	MULTI-SUBFRAME UPLINK SCHEDULING IN UNLICENSED	PCT/US2016/024612	WO2017/099832	WO		6/15/2017

SCHEDULE A

No.	TITLE	Filing Number	Publication Number	Jurisdiction	Filing Date	Publication Date
	SPECTRUM					
7199	CHANNEL STATE INFORMATION REFERENCE SIGNAL GENERATION WITH REDUCED ORTHOGONAL FREQUENCY DIVISION MULTIPLEXING SYMBOLS	PCT/US2016/024671	WO2017/099834	WO		6/15/2017
7200	DISTINGUISHING SUBFRAMES IN A DOWNLINK TRANSMISSION BURST	PCT/US2016/024800	WO2017/074493	WO		5/4/2017
7201	ENHANCED RESOURCE MAPPING SCHEME	PCT/US2016/025067	WO2017/065826	WO		4/20/2017
7202	MULTIPLEXING OF CONTROL SIGNALING AND DATA TRANSMISSION IN ENHANCED FRAME STRUCTURES	PCT/US2016/025140	WO2017/111988	WO		6/29/2017
7203	DETERMINATION OF NUMBER OF PHYSICAL UPLINK CONTROL CHANNEL REPETITIONS FOR MACHINE TYPE COMMUNICATIONS	PCT/US2016/025265	WO2017/052688	WO		3/30/2017
7204	RANDOM ACCESS PROCEDURE FOR BEAM BASED CELL-LESS OPERATION IN 5G RAT	PCT/US2016/025292	WO2017/044155	WO		3/16/2017
7205	RATE-COMPATIBLE OPERATION WITH LOW DENSITY PARITY-CHECK CODES	PCT/US2016/025318	WO2017/091244	WO		6/1/2017
7206	SIGNALING METHODS FOR FLEXIBLE RADIO RESOURCE MANAGEMENT	PCT/US2016/025492	WO2017/062061	WO		4/13/2017
7207	DYNAMIC SPECTRUM ACCESS WITH FLEXIBLE BANDWIDTH FOR LICENSED SHARED ACCESS SYSTEMS	PCT/US2016/025563	WO2017/023370	WO		2/9/2017
7208	OFDMA-BASED MULTIPLEXING OF UPLINK CONTROL INFORMATION	PCT/US2016/025569	WO2017/019132	WO		2/2/2017
7209	DISCOVERY REFERENCE SIGNALING FOR DYNAMICALLY-TIMED TRANSMISSIONS	PCT/US2016/025608	WO2017/074496	WO		5/4/2017
7210	MAPPING OF PHYSICAL BROADCAST CHANNEL (PBCH) REPETITION SYMBOLS FOR MACHINE-TYPE COMMUNICATION (MTC)	PCT/US2016/025616	WO2017/052689	WO		3/30/2017
7211	REFERENCE SIGNAL FOR RECEIVE BEAM REFINEMENT IN CELLULAR SYSTEMS	PCT/US2016/025622	WO2017/074497	WO		5/4/2017
7212	TIME GRID WITH TIME DIVISION DUPLEX SWITCHING INTERVALS	PCT/US2016/025630	WO2017/065829	WO		4/20/2017
7213	SYSTEM AND METHODS FOR MTC UES WITH SCALABLE BANDWIDTH SUPPORT	PCT/US2016/025658	WO2017/105538	WO		6/22/2017
7214	METHODS FOR CQI FEEDBACK AND RRM MEASUREMENTS WITH DYNAMIC POWER SHARING AMONG MULTIPLE LAA SCELLS FOR DL-ONLY TRANSMISSION	PCT/US2016/025677	WO2017/030613	WO		2/23/2017
7215	HYBRID OPEN-LOOP AND CLOSED- LOOP BEAMFORMING	PCT/US2016/025701	WO2017/171867	WO		10/5/2017
7216	MECHANISMS FOR SINGLE FREQUENCY NETWORKS IN HIGH- SPEED MOBILE SCENARIOS	PCT/US2016/025734	WO2017/082951	WO		5/18/2017
7217	ENHANCED SELF-CONTAINED TIME- DIVISION DUPLEX SUBFRAME	PCT/US2016/025737	WO2017/062062	WO		4/13/2017

SCHEDULE A

No.	TITLE	Filing Number	Publication Number	Jurisdiction	Filing Date	Publication Date
	STRUCTURE					
7218	ENHANCED PAGING MECHANISM FOR CELLULAR INTERNET OF THINGS	PCT/US2016/025741	WO2017/058287	WO		4/6/2017
7219	SHORT TRANSMISSION TIME INTERVAL (TTI)	PCT/US2016/025744	WO2017/078786	WO		5/11/2017
7220	SYSTEM AND METHODS FOR SYSTEM OPERATION FOR NARROWBAND-LTE FOR CELLULAR IOT	PCT/US2016/025750	WO2017/019133	WO		2/2/2017
7221	AIR INTERFACE RESOURCE UTILIZATION TECHNIQUES FOR WIRELESS COMMUNICATION NETWORKS	PCT/US2016/025771	WO2017/058288	WO		4/6/2017
7222	FLEXIBLE UNIVERSAL EXTENDED FRAME STRUCTURE	PCT/US2016/025773	WO2017/065830	WO		4/20/2017
7223	SIGNALLING FOR PER CARRIER-COMPONENT BASED ENHANCED MEASUREMENT GAP CONFIGURATION	PCT/US2016/026729	WO2016/164782	WO		10/13/2016
7224	PERFORMING PRIMARY CELL FUNCTIONS IN A SECONDARY CELL	PCT/US2016/027558	WO2016/182670	WO		11/17/2016
7225	MEASUREMENT METHOD IN CARRIER AGGREGATION AND ASYNCHRONOUS DUAL CONNECTIVITY	PCT/US2016/027951	WO2016/182692	WO		11/17/2016
7226	NETWORK INITIATED PACKET DATA NETWORK CONNECTION	PCT/US2016/028281	WO2017/062065	WO		4/13/2017
7227	DOWNLINK REACHABILITY FOR ULTRA LOW POWER SAVING DEVICES USING D2D	PCT/US2016/028786	WO2017/099837	WO		6/15/2017
7228	SYSTEM AND METHOD FOR DOWNLINK CONTROL INDICATOR DESIGN IN BEAM AGGREGATION SYSTEM	PCT/US2016/028977	WO2017/095470	WO		6/8/2017
7229	MILLIMETER WAVE BROADCAST AND UNICAST CHANNEL DESIGN AND GENERIC TRANSMIT ARCHITECTURE	PCT/US2016/029549	WO2017/095471	WO		6/8/2017
7230	DETERMINATION OF AN ADVANCED PHYSICAL UPLINK CHANNEL RESOURCE	PCT/US2016/030171	WO2017/119921	WO		7/13/2017
7231	NETWORK FUNCTION VIRTUALIZATION	PCT/US2016/030268	WO2017/189015	WO		11/2/2017
7232	PHYSICAL UPLINK CONTROL CHANNEL FORMATS FOR 5G	PCT/US2016/030726	WO2017/146751	WO		8/31/2017
7233	USER EQUIPMENT (UE) AND METHODS FOR RECEPTION OF PACKETS ON A SPLIT RADIO BEARER	PCT/US2016/030802	WO2017/192138	WO		11/9/2017
7234	CARRIER AGGREGATION ENHANCEMENT	PCT/US2016/031299	WO2016/182941	WO		11/17/2016
7235	INFORMATIONALLY EFFICIENT ERROR CORRECTION CODING	PCT/US2016/031781	WO2017/123273	WO		7/20/2017
7236	COMMUNICATION DEVICE AND METHOD FOR STORING DATA	PCT/US2016/031954	WO2016/209396	WO		12/29/2016
7237	BEARER-LESS ARCHITECTURE FOR A WIRELESS CELLULAR NETWORK	PCT/US2016/032896	WO2017/062066	WO		4/13/2017
7238	PROVIDING DIFFERENT RADIO ACCESS NETWORKS INDEPENDENT STANDARDIZED ACCESS TO A CORE NETWORK	PCT/US2016/032914	WO2017/099841	WO		6/15/2017

SCHEDULE A

No.	TITLE	Filing Number	Publication Number	Jurisdiction	Filing Date	Publication Date
7239	ACKNOWLEDGEMENT (ACK) TRANSMISSIONS USING A SELF-CONTAINED SUBFRAME STRUCTURE	PCT/US2016/032929	WO2017/123275	WO		7/20/2017
7240	ENCODING AND DECODING USING LOW-DENSITY PARITY-CHECK MATRICES	PCT/US2016/032931	WO2017/119922	WO		7/13/2017
7241	METHOD AND RELATED MOBILE DEVICE FOR FAST BLIND DECODING	PCT/US2016/032958	WO2017/011069	WO		1/19/2017
7242	COMMUNICATION TERMINAL AND METHOD FOR HANDLING UPLOAD TRAFFIC CONGESTION	PCT/US2016/032959	WO2016/209421	WO		12/29/2016
7243	ENCODING CIRCUIT METHOD FOR TRANSMITTING DATA OVER A DATA BUS AND RADIO COMMUNICATION DEVICE	PCT/US2016/032962	WO2016/209422	WO		12/29/2016
7244	RESTORING VIRTUAL NETWORK FUNCTION (VNF) PERFORMANCE VIA VNF RESET OF LIFECYCLE MANAGEMENT	PCT/US2016/033002	WO2017/078790	WO		5/11/2017
7245	CONTROL SIGNALING FOR FIFTH GENERATION CHANNEL STATE INFORMATION REFERENCE SIGNALS (XCSI-RS)	PCT/US2016/033019	WO2017/142573	WO		8/24/2017
7246	FIFTH GENERATION (5G) UPLINK CONTROL INFORMATION (xUCI) REPORT	PCT/US2016/033069	WO2017/142574	WO		8/24/2017
7247	IMPROVED SIGNALING FOR BATTERY EFFICIENT STATE TRANSITION IN PCH STATES	PCT/US2016/033152	WO2017/200541	WO		11/23/2017
7248	OPTIMIZED SCHEDULING STRATEGIES FOR DUAL CONNECTIVITY AND LINK AGGREGATION	PCT/US2016/033608	WO2017/200554	WO		11/23/2017
7249	SIGNAL PROCESSING APPARATUS AND METHOD FOR PROCESSING A SIGNAL	PCT/US2016/033852	WO2016/209464	WO		12/29/2016
7250	A METHOD FOR FEEDBACK REPORTING AND A MOBILE COMMUNICATIONS DEVICE	PCT/US2016/033859	WO2016/209465	WO		12/29/2016
7251	5G FDD LOW LATENCY TRANSMISSION SUBFRAME STRUCTURE SYSTEM AND METHOD OF USE	PCT/US2016/035037	WO2017/123276	WO		7/20/2017
7252	FRAME STRUCTURE FOR UPLINK SCHEDULING	PCT/US2016/035073	WO2017/065838	WO		4/20/2017
7253	USER EQUIPMENT (UE) AND METHODS FOR RECEPTION OF DOWNLINK DATA SERVICES	PCT/US2016/035247	WO2017/209746	WO		12/7/2017
7254	REFERENCE SIGNALS AND PHYSICAL BROADCAST CHANNEL FOR 5G SYSTEMS	PCT/US2016/035276	WO2017/131806	WO		8/3/2017
7255	UCI CHANNEL CODING ON XPUCCH	PCT/US2016/035753	WO2017/146756	WO		8/31/2017
7256	SELF-CONTAINED TDD FRAME STRUCTURE AND DL-UL CONFIGURATION IN 5G SYSTEM	PCT/US2016/035990	WO2017/151173	WO		9/8/2017
7257	CARRIER MEASUREMENTS FOR MULTI-CARRIER DEVICES	PCT/US2016/036499	WO2017/007564	WO		1/12/2017
7258	PARTIAL SUBFRAME TRANSMISSION IN LICENSED ASSISTED ACCESS	PCT/US2016/036920	WO2017/078796	WO		5/11/2017

SCHEDULE A

No.	TITLE	Filing Number	Publication Number	Jurisdiction	Filing Date	Publication Date
7259	UPLINK DM-RS TRANSMISSION FOR PUSCH TRANSMISSIONS WITH SHORTENED TTI	PCT/US2016/038090	WO2017/135988	WO		8/10/2017
7260	TRANSMISSION TOGGLE UPLINK COMPENSATION	PCT/US2016/038662	WO2016/209896	WO		12/29/2016
7261	INTERFERENCE CANCELLATION	PCT/US2016/038675	WO2016/209904	WO		12/29/2016
7262	POWER SAVE IN MACHINE TYPE COMMUNICATION DEVICE	PCT/US2016/038690	WO2016/209912	WO		12/29/2016
7263	SYSTEMS AND METHODS FOR REDUCING INTERRUPTIONS IN DATA TRANSMISSIONS DUE TO HANDOVER OPERATIONS	PCT/US2016/038746	WO2017/138977	WO		8/17/2017
7264	TRANSMISSION SCHEME AND INTER-CELL INTERFERENCE MITIGATION FOR FIFTH GENERATION (5G) SYSTEM INFORMATION BLOCK (xSIB)	PCT/US2016/038936	WO2017/155563	WO		9/14/2017
7265	BEAMFORMED PHYSICAL DOWNLINK CONTROL CHANNEL	PCT/US2016/038954	WO2017/155564	WO		9/14/2017
7266	MULTIPLEXING TRANSMISSION TIME INTERVALS (TTIS) WITH PHYSICAL DOWNLINK SHARED CHANNEL (PDSCH) PUNCTURING DETECTION	PCT/US2016/038969	WO2017/074520	WO		5/4/2017
7267	NETWORK SLICE SELECTION IN NETWORK SYSTEMS	PCT/US2016/039054	WO2017/123277	WO		7/20/2017
7268	MULTIPLEXING UPLINK CONTROL INFORMATION AND DATA ON PHYSICAL UPLINK SHARED CHANNEL	PCT/US2016/039057	WO2017/142581	WO		8/24/2017
7269	SYSTEM AND METHOD FOR SYSTEM INFORMATION TRANSMISSION IN STAND-ALONE MMWAVE SYSTEMS	PCT/US2016/039085	WO2017/131810	WO		8/3/2017
7270	CHANNEL CODING AND INTERLEAVING FOR CONTROL AND USER DATA IN THE PHYSICAL UPLINK SHARED CHANNEL	PCT/US2016/039086	WO2017/142582	WO		8/24/2017
7271	SUPPORTING SEMI-PERSISTENT SCHEDULING FOR VARIED TRANSMISSION TIME INTERVALS	PCT/US2016/039244	WO2017/052706	WO		3/30/2017
7272	SYSTEMS AND METHODS FOR REDUCING INTERRUPTIONS IN DATA TRANSMISSIONS DUE TO HANDOVER OPERATIONS	PCT/US2016/039379	WO2017/138978	WO		8/17/2017
7273	PHYSICAL LAYER PROTOCOL AND SELF-CONTAINED SUBFRAME STRUCTURE FOR 5G/LTE COMPLIANT WEARABLE USER EQUIPMENT DEVICES	PCT/US2016/039521	WO2017/146757	WO		8/31/2017
7274	SYSTEMS METHODS AND DEVICES FOR UPLINK BEARER SPLIT USING WIRELESS LOCAL AREA NETWORK AGGREGATION	PCT/US2016/039548	WO2017/164901	WO		9/28/2017
7275	DEVICE AND METHOD OF USING BRRS CONFIGURATION	PCT/US2016/039553	WO2017/146758	WO		8/31/2017
7276	DEVICE AND METHOD FOR SYNCHRONOUS BEAM SWITCHING	PCT/US2016/039570	WO2017/146759	WO		8/31/2017
7277	SIXTY GIGAHERTZ BAND SUPPORT IN CELLULAR AND WIRELESS LOCAL AREA NETWORK AGGREGATION	PCT/US2016/039634	WO2017/171896	WO		10/5/2017

SCHEDULE A

No.	TITLE	Filing Number	Publication Number	Jurisdiction	Filing Date	Publication Date
7278	PHYSICAL DOWNLINK SHARED CHANNEL TRANSMISSION WITH SHORT TRANSMISSION TIME INTERVAL	PCT/US2016/039980	WO2017/135989	WO		8/10/2017
7279	SECURE FIRMWARE UPGRADE FOR CELLULAR IOT	PCT/US2016/040027	WO2017/019238	WO		2/2/2017
7280	UPLINK BEAM REFINEMENT	PCT/US2016/040079	WO2017/131811	WO		8/3/2017
7281	NB-IOT SYNCHRONIZATION SIGNALS WITH OFFSET INFORMATION	PCT/US2016/040105	WO2017/119925	WO		7/13/2017
7282	PHYSICAL UPLINK CONTROL CHANNEL PROCEDURES	PCT/US2016/040111	WO2017/146762	WO		8/31/2017
7283	SYNCHRONIZATION SIGNAL DESIGN FOR NARROWBAND INTERNET OF THINGS COMMUNICATIONS	PCT/US2016/040122	WO2017/078802	WO		5/11/2017
7284	PHYSICAL LAYER PROTOCOL AND SELF-CONTAINED SUBFRAME STRUCTURE FOR 5G/LTE COMPLIANT WEARABLE USER EQUIPMENT DEVICES	PCT/US2016/040149	WO2017/146763	WO		8/31/2017
7285	SYSTEM AND METHOD FOR BEAM INFORMATION AND CSI REPORT	PCT/US2016/040162	WO2017/146764	WO		8/31/2017
7286	SYSTEM AND METHOD FOR CHANNEL QUALITY REPORTING	PCT/US2016/040163	WO2017/146765	WO		8/31/2017
7287	APPARATUS SYSTEM AND METHOD OF INTERNET CONNECTIVITY VIA A RELAY STATION	PCT/US2016/040326	WO2018/004589	WO		1/4/2018
7288	DYNAMIC RESOURCE ALLOCATIONS AND TRANSMISSION SCHEMES FOR XPUCCH (5G PUCCH)	PCT/US2016/040498	WO2017/135991	WO		8/10/2017
7289	METHOD FOR CRC AMBIGUITY AVOIDANCE IN 5G DCI DECODING	PCT/US2016/040562	WO2018/004631	WO		1/4/2018
7290	FRAME STRUCTURES FOR BEAM SWITCHING AND REFINEMENT IN CELLULAR SYSTEMS	PCT/US2016/040886	WO2017/171901	WO		10/5/2017
7291	SECURE CONNECTION OF CELLULAR DEVICES WITHOUT USING A CORE CELLULAR NETWORK	PCT/US2016/041003	WO2017/078804	WO		5/11/2017
7292	LIGHTWEIGHT S-1 LITE PROTOCOL DESIGN FOR CELLULAR INTERNET OF THINGS	PCT/US2016/041043	WO2017/027124	WO		2/16/2017
7293	RATE MATCHING USING LOW-DENSITY PARITY-CHECK CODES	PCT/US2016/041366	WO2017/131813	WO		8/3/2017
7294	DISCONTINUOUS DOWNLINK TRANSMISSIONS FOR MACHINE TYPE COMMUNICATIONS	PCT/US2016/041401	WO2017/160335	WO		9/21/2017
7295	EVOLVED NODE-B (ENB) USER EQUIPMENT (UE) AND METHODS FOR COMMUNICATION OF A CHANNEL RASTER FREQUENCY OFFSET	PCT/US2016/041587	WO2017/123279	WO		7/20/2017
7296	RADIO LINK FAILURE HANDLING IN HIGH-FREQUENCY BAND NETWORKS	PCT/US2016/041610	WO2017/164908	WO		9/28/2017
7297	SAS CONTROLLED INTERFERENCE MANAGEMENT	PCT/US2016/041643	WO2018/009227	WO		1/11/2018
7298	SAS INTERFERENCE MITIGATION OPTIONS	PCT/US2016/041722	WO2017/065852	WO		4/20/2017

SCHEDULE A

No.	TITLE	Filing Number	Publication Number	Jurisdiction	Filing Date	Publication Date
7299	MOBILE TERMINAL DEVICES AND METHODS OF DETECTING REFERENCE SIGNALS	PCT/US2016/042880	WO2017/030717	WO		2/23/2017
7300	UPLINK SYNCHRONIZATION WITH ASSISTED mmWAVE ENHANCED NODE B	PCT/US2016/043743	WO2017/030740	WO		2/23/2017
7301	SYSTEMS AND METHODS FOR CENTRALIZED AND DECENTRALIZED COMMUNICATION MODES FOR V2X SERVICES	PCT/US2016/044575	WO2017/171906	WO		10/5/2017
7302	RESOURCE ALLOCATIONS FOR BEAMFORMING REFERENCE SIGNALS	PCT/US2016/044879	WO2017/135995	WO		8/10/2017
7303	POSITIONING DEVICE AND METHOD FOR DETERMINING THE POSITION OF A COMMUNICATION DEVICE	PCT/US2016/044946	WO2017/052780	WO		3/30/2017
7304	COMMUNICATION DEVICE AND METHOD FOR RECEIVING SIGNALS IN A FREQUENCY RANGE	PCT/US2016/044953	WO2017/048380	WO		3/23/2017
7305	SCHEDULING REQUEST FOR STANDALONE DEPLOYMENT OF A SYSTEM USING BEAMFORMING	PCT/US2016/045372	WO2017/138980	WO		8/17/2017
7306	METHODS FOR RADIO COMMUNICATION AND COMMUNICATION DEVICES	PCT/US2016/045677	WO2017/044219	WO		3/16/2017
7307	AVOIDING DISCARD OF CRITICAL VIDEO DATA IN MODEM LONG TERM EVOLUTION STACK	PCT/US2016/045972	WO2017/196380	WO		11/16/2017
7308	COMMUNICATION DEVICE AND A METHOD FOR OPERATING A COMMUNICATION DEVICE	PCT/US2016/046098	WO2017/048408	WO		3/23/2017
7309	EXTENDED SYNCHRONIZATION SIGNAL FOR SYMBOL INDEX	PCT/US2016/046142	WO2017/164918	WO		9/28/2017
7310	SYSTEMS AND METHODS FOR CROSS-LAYER BEARER SPLITTING AND CROSS-RADIO ACCESS TECHNOLOGY RETRANSMISSION	PCT/US2016/046165	WO2017/044230	WO		3/16/2017
7311	METHODS OF PERFORMING COMMUNICATIONS MOBILE TERMINAL DEVICES AND BASEBAND MODEMS	PCT/US2016/046221	WO2017/052823	WO		3/30/2017
7312	COMMUNICATION TERMINAL AND METHOD FOR TRANSMITTING A SIGNALING MESSAGE	PCT/US2016/046222	WO2017/052824	WO		3/30/2017
7313	CONFIGURATION OF MEASUREMENT SUBFRAMES FOR A USER EQUIPMENT (UE)	PCT/US2016/046834	WO2017/027822	WO		2/16/2017
7314	APPARATUSES FOR EVOLVED NODE BS CONFIGURED TO COMMUNICATE USING ROBUST PUNCTURING-BASED MULTIPLEXING	PCT/US2016/047192	WO2017/074537	WO		5/4/2017
7315	SENSING-BASED COLLISION AVOIDANCE FOR V2V COMMUNICATION	PCT/US2016/047213	WO2017/135998	WO		8/10/2017

SCHEDULE A

No.	TITLE	Filing Number	Publication Number	Jurisdiction	Filing Date	Publication Date
7316	PBCH TRANSMISSION INSIDE AND OUTSIDE OF DISCOVERY REFERENCE SIGNAL TRANSMISSION WINDOW TO UES OPERATING IN UNLICENSED FREQUENCY BANDS	PCT/US2016/047919	WO2017/142589	WO		8/24/2017
7317	METHODS FOR PERFORMING WIRELESS COMMUNICATIONS MOBILE TERMINAL DEVICES AND SERVERS	PCT/US2016/047944	WO2017/052870	WO		3/30/2017
7318	DATA TRANSMISSION USING AN ADAPTIVE TRANSMISSION TIME INTERVAL STRUCTURE IN A WIRELESS COMMUNICATION SYSTEM	PCT/US2016/047998	WO2017/164920	WO		9/28/2017
7319	CHANNEL STATE INFORMATION (CSI) MEASUREMENTS AND CSI REPORTING IN LICENSED ASSISTED ACCESS (LAA)	PCT/US2016/048145	WO2017/078826	WO		5/11/2017
7320	ANTENNA SYSTEM	PCT/US2016/048172	WO2017/052897	WO		3/30/2017
7321	COMMUNICATION TERMINAL AND METHOD FOR COMMUNICATING DATA	PCT/US2016/048248	WO2017/052906	WO		3/30/2017
7322	WIRELESS CIRCUITRY WITH SCALABLE ACCURACY	PCT/US2016/048631	WO2017/058410	WO		4/6/2017
7323	CHANNEL ESTIMATION AND COMPENSATION IN HIGH SPEED SCENARIOS	PCT/US2016/049260	WO2017/062113	WO		4/13/2017
7324	DOWNLINK DATA HANDLING FOR IDLE MODE UE WHEN THE SGW IS SPLIT INTO CONTROL PLANE NODE AND USER PLANE NODE	PCT/US2016/049380	WO2017/078837	WO		5/11/2017
7325	ENABLING A SECONDARY CELL IN A MASSIVE MIMO SYSTEM	PCT/US2016/049427	WO2017/151185	WO		9/8/2017
7326	FLEXIBLE FRAME STRUCTURE SIGNALING FOR RADIO ACCESS NETWORKS OPERATING IN THE UNLICENSED SPECTRUM	PCT/US2016/049636	WO2017/135999	WO		8/10/2017
7327	SIGNALING FOR ENHANCED MEASUREMENT GAP FOR SYNCHRONOUS NETWORK	PCT/US2016/049742	WO2017/138985	WO		8/17/2017
7328	SYSTEMS METHODS AND DEVICES FOR OPTIMIZED UPLINK GRANT TRANSMISSION TO ENABLE MULTI-SUBFRAME SCHEDULING	PCT/US2016/050655	WO2017/180179	WO		10/19/2017
7329	POWER CONTROL FOR LINKS IN BEAMFORMING SYSTEMS	PCT/US2016/051540	WO2017/146773	WO		8/31/2017
7330	SYSTEMS METHODS AND DEVICES FOR UPLINK CONTROL INFORMATION ENHANCEMENT	PCT/US2016/052653	WO2017/189034	WO		11/2/2017
7331	Method and system to perform performance measurements job operations	PCT/US2016/052838	WO2017/164931	WO		9/28/2017
7332	TRIGGER FOR ATTACH-TAU FOR PENDING IMS CALL REQUEST IN RADIO ACCESS NETWORKS	PCT/US2016/052921	WO2017/171920	WO		10/5/2017
7333	APPARATUS SYSTEM AND METHOD OF VEHICULAR USER EQUIPMENT (UE) COMMUNICATION	PCT/US2016/053226	WO2017/136001	WO		8/10/2017

SCHEDULE A

No.	TITLE	Filing Number	Publication Number	Jurisdiction	Filing Date	Publication Date
7334	APPARATUS AND METHOD FOR IOT CONTROL CHANNEL	PCT/US2016/053759	WO2017/123286	WO		7/20/2017
7335	SYSTEM INFORMATION CHANGE NOTIFICATION TECHNIQUES FOR WIRELESS COMMUNICATIONS NETWORKS	PCT/US2016/053846	WO2017/054007	WO		3/30/2017
7336	BEAM MANAGEMENT FOR DUAL TRANSMISSION POINT HYBRID BEAMFORMING SYSTEMS IN 5G	PCT/US2016/054086	WO2017/164933	WO		9/28/2017
7337	DUAL RADIO OPERATION BETWEEN ACCESS SYSTEMS USING 3GPP RADIO ACCESS TECHNOLOGY	PCT/US2016/054125	WO2017/062244	WO		4/13/2017
7338	MECHANISMS FOR AVOIDANCE OF EXPLICIT QUALITY OF SERVICE SIGNALING OVER THE RADIO INTERFACE	PCT/US2016/054151	WO2017/196386	WO		11/16/2017
7339	PHYSICAL RANDOM ACCESS CHANNEL (PRACH) DESIGN	PCT/US2016/054181	WO2017/196387	WO		11/16/2017
7340	DOWNLINK HYBRID AUTOMATIC REPEAT REQUEST FEEDBACK FOR NARROWBAND INTERNET OF THINGS DEVICES	PCT/US2016/054253	WO2017/119931	WO		7/13/2017
7341	MOBILE TERMINAL DEVICES AND METHODS IN MOBILE COMMUNICATION DEVICES	PCT/US2016/054263	WO2018/063200	WO		4/5/2018
7342	MOBILE DEVICE MANAGEMENT BASED ON PREDICTED BASE STATION BEHAVIOR	PCT/US2016/054272	WO2018/063201	WO		4/5/2018
7343	CONFIGURING DOWNLINK LISTEN-BEFORE-TALK PRIORITY CLASS FOR UPLINK GRANT TRANSMISSION IN LICENSED ASSISTED ACCESS	PCT/US2016/054313	WO2017/074638	WO		5/4/2017
7344	LOW LATENCY PRACH DESIGN IN UNLICENSED SPECTRUM	PCT/US2016/054544	WO2017/151187	WO		9/8/2017
7345	RRM REQUIREMENT FOR D2D INTER-CARRIER DISCOVERY GAP	PCT/US2016/054768	WO2017/062278	WO		4/13/2017
7346	NETWORK ASSISTED MOBILITY STATUS INDICATION AND TRACKING OF HIGH-SPEED MOBILE SCENARIOS	PCT/US2016/054963	WO2017/171928	WO		10/5/2017
7347	SYSTEMS METHODS AND DEVICES FOR REDUCED HANDOVER DATA INTERRUPTION	PCT/US2016/055036	WO2017/138988	WO		8/17/2017
7348	CELLULAR IOT CONTROL AND USER PLANE SWITCHING	PCT/US2016/055040	WO2017/189038	WO		11/2/2017
7349	SYSTEMS METHODS AND DEVICES FOR TRANSMISSION OF NETWORK INFORMATION IN THE PHYSICAL BROADCAST CHANNEL (PBCH)	PCT/US2016/055058	WO2017/171929	WO		10/5/2017
7350	TECHNIQUES FOR INSTANTIATION AND TERMINATION OF VIRTUALIZED NETWORK FUNCTIONS	PCT/US2016/055070	WO2017/119932	WO		7/13/2017
7351	PERFORMANCE MONITORING TECHNIQUES FOR VIRTUALIZED RESOURCES	PCT/US2016/055071	WO2017/119933	WO		7/13/2017
7352	SCHEDULING UPLINK TRANSMISSIONS FOR A USER EQUIPMENT (UE)	PCT/US2016/057391	WO2017/070055	WO		4/27/2017

SCHEDULE A

No.	TITLE	Filing Number	Publication Number	Jurisdiction	Filing Date	Publication Date
7353	DISCOVERY AND NETWORK ACCESS PROCEDURES FOR 5G THINGS COMMUNICATION SYSTEM	PCT/US2016/058480	WO2017/146777	WO		8/31/2017
7354	DMRS FOR 5G THINGS COMMUNICATION SYSTEM	PCT/US2016/059300	WO2017/146779	WO		8/31/2017
7355	USER EQUIPMENT (UE) AND METHOD OF SIDELINK DATA COMMUNICATION IN FIFTH GENERATION (5G) NEW RADIO (NR) THINGS NETWORKS	PCT/US2016/059472	WO2017/146780	WO		8/31/2017
7356	CROSS TRANSMISSION OPPORTUNITY (TXOP) SCHEDULING	PCT/US2016/059511	WO2017/136009	WO		8/10/2017
7357	USER EQUIPMENT (UE) AND METHOD OF SIDELINK COMMUNICATION IN FIFTH GENERATION (5G) NEW RADIO (NR) THINGS NETWORKS	PCT/US2016/059536	WO2017/146781	WO		8/31/2017
7358	DISCOVERY AND PAGING IN NEW RADIO-THINGS SIDELINK	PCT/US2016/059688	WO2017/146783	WO		8/31/2017
7359	RANDOM-ACCESS AND SCHEDULING-REQUEST IN NEW RADIO-THINGS SIDELINK	PCT/US2016/059704	WO2017/146784	WO		8/31/2017
7360	CELL SEARCH AND SYNCHRONIZATION IN MILLIMETER-WAVE CAPABLE SMALL CELLS	PCT/US2016/059920	WO2017/112092	WO		6/29/2017
7361	ENHANCED REPORTING AND UPLINK ROBUSTNESS DESIGN	PCT/US2016/062513	WO2017/160351	WO		9/21/2017
7362	MULTI-HARMONIC MATCHING NETWORKS	PCT/US2016/063234	WO2017/112237	WO		6/29/2017
7363	APPARATUSES FOR COMBINING AND DECODING ENCODED BLOCKS	PCT/US2016/063636	WO2017/222582	WO		12/28/2017
7364	SPREADING OPTIONS FOR NON-ORTHOGONAL MULTIPLE ACCESS	PCT/US2016/064201	WO2017/139005	WO		8/17/2017
7365	MASTER INFORMATION BLOCK AND SYSTEM INFORMATION BLOCK TRANSMISSIONS IN UNLICENSED SPECTRUM	PCT/US2016/065436	WO2017/100355	WO		6/15/2017
7366	TRANSMITTER AND RECEIVER FOR MASTER INFORMATION BLOCK OVER PHYSICAL BROADCAST CHANNEL	PCT/US2016/065463	WO2017/127172	WO		7/27/2017
7367	RX-TX TIME DIFFERENCE REPORT FOR TDD SYSTEMS AND ASSOCIATED DEVICES	PCT/US2016/065807	WO2017/139014	WO		8/17/2017
7368	DYNAMIC HARQ CONFIGURATION AND BITMAP BASED ACK/NACK	PCT/US2016/065897	WO2017/123356	WO		7/20/2017
7369	DISCOVERY REFERENCE SIGNAL TRANSMISSION WINDOW AND POSITION IDENTIFICATION	PCT/US2016/066337	WO2017/127181	WO		7/27/2017
7370	DEVICES AND METHODS FOR MEC V2X	PCT/US2016/066525	WO2017/176329	WO		10/12/2017
7371	SYSTEMS METHODS AND DEVICES FOR NON-ADAPTIVE RETRANSMISSION USING SEMI-PERSISTENT SCHEDULING RESOURCES	PCT/US2016/068232	WO2017/196400	WO		11/16/2017
7372	DEVICES AND METHODS FOR RRC CONNECTION RE-ESTABLISHMENT	PCT/US2016/068867	WO2017/139039	WO		8/17/2017
7373	DEVICE AND METHOD FOR NFV LIFE CYCLE MANAGEMENT	PCT/US2016/068973	WO2017/222595	WO		12/28/2017

SCHEDULE A

No.	TITLE	Filing Number	Publication Number	Jurisdiction	Filing Date	Publication Date
7374	CODE DIVISION MULTIPLEXING OF UPLINK CONTROL INFORMATION	PCT/US2016/068982	WO2017/155591	WO		9/14/2017
7375	DUAL BEAM OPERATION FOR MOBILITY	PCT/US2016/068990	WO2017/171952	WO		10/5/2017
7376	USER EQUIPMENT (UE) SUPPORT MODE AND ID SUPPORT	PCT/US2016/068991	WO2017/171953	WO		10/5/2017
7377	EXTENDED PHYSICAL BROADCAST CHANNEL DESIGN FOR 5G STANDALONE SYSTEM	PCT/US2016/069146	WO2017/196406	WO		11/16/2017
7378	UPLINK MODULATION CODING SCHEME AND CONFIGURATION	PCT/US2016/069233	WO2017/171956	WO		10/5/2017
7379	LOW LATENCY IN WIRELESS COMMUNICATION SYSTEM	PCT/US2016/069525	WO2017/136079	WO		8/10/2017
7380	DPLL WITH ADJUSTABLE DELAY IN INTEGER OPERATION MODE	PCT/US2016/069584	WO2018/125232	WO		7/5/2018
7381	SOUNDING REFERENCE SIGNAL IN CELLULAR SYSTEMS	PCT/US2016/069635	WO2017/136085	WO		8/10/2017
7382	UL (UPLINK) CONTROL DESIGN FOR UNLICENSED SPECTRUM	PCT/US2017/012122	WO2017/120183	WO		7/13/2017
7383	METHOD AND APPARATUS FOR CHANNEL ACCESS FOR TRANSMISSION OF PUSCH AND UL CONTROL	PCT/US2017/012630	WO2017/120542	WO		7/13/2017
7384	METHODS AND DEVICES FOR MANAGING PACKET DATA NETWORK CONNECTIONS	PCT/US2017/014210	WO2017/142672	WO		8/24/2017
7385	LWA ENHANCEMENTS FOR TRI-BAND (24 GHZ 5 GHZ AND 60 GHZ) WI-FI EQUIPMENT	PCT/US2017/015362	WO2018/017161	WO		1/25/2018
7386	LISTEN-BEFORE-TALK (LBT) FAILURE DURING A RANDOM ACCESS PROCEDURE	PCT/US2017/016074	WO2017/136458	WO		8/10/2017
7387	RESOURCE ALLOCATION IN LOW-LATENCY WIRELESS SYSTEMS	PCT/US2017/016280	WO2017/136592	WO		8/10/2017
7388	TRANSMIT AMPLITUDE AND PHASE MODULATION BASED ON TWO CONSTANT-AMPLITUDE PHASORS	PCT/US2017/016325	WO2017/155642	WO		9/14/2017
7389	CSI FEEDBACK FOR OPEN LOOP FD-MIMO TRANSMISSION	PCT/US2017/016899	WO2017/172049	WO		10/5/2017
7390	USING A MANAGED OBJECT OPERATION TO CONTROL A LIFECYCLE MANAGEMENT OPERATION	PCT/US2017/016961	WO2018/034693	WO		2/22/2018
7391	PROCESSING TRACING INFORMATION OF A RADIO SIGNAL	PCT/US2017/017291	WO2017/160429	WO		9/21/2017
7392	HYBRID I-Q POLAR TRANSMITTER WITH QUADRATURE LOCAL OSCILLATOR (LO) PHASE CORRECTION	PCT/US2017/017314	WO2017/160430	WO		9/21/2017
7393	DEVICES AND METHOD FOR CELL SEARCH AND DETECTION	PCT/US2017/017746	WO2017/172077	WO		10/5/2017
7394	METHODS AND COMMUNICATION DEVICES FOR PERFORMING CELL SEARCH AND DETECTION	PCT/US2017/017857	WO2017/165017	WO		9/28/2017
7395	INTERLACES ALLOCATION AND INDICATION	PCT/US2017/018148	WO2017/146987	WO		8/31/2017
7396	INTERFERENCE MITIGATION IN CELLULAR NETWORKS	PCT/US2017/018262	WO2017/172100	WO		10/5/2017

SCHEDULE A

No.	TITLE	Filing Number	Publication Number	Jurisdiction	Filing Date	Publication Date
7397	COMMUNICATION DEVICE AND METHOD FOR TRANSMITTING DATA	PCT/US2017/019245	WO2017/172139	WO		10/5/2017
7398	COMMUNICATION DEVICE AND A METHOD FOR OPERATING A COMMUNICATION DEVICE	PCT/US2017/019254	WO2017/172140	WO		10/5/2017
7399	TRANSMISSION DETECTION OF NON-SCHEDULED UPLINK TRANSMISSIONS	PCT/US2017/019487	WO2017/147513	WO		8/31/2017
7400	DOWNLINK CONTROL INFORMATION FOR NON-SCHEDULED UPLINK TRANSMISSIONS	PCT/US2017/019490	WO2017/147515	WO		8/31/2017
7401	END-TO-END TECHNIQUES TO COLLECT PM (PERFORMANCE MEASUREMENT) DATA FROM A NVF (NETWORK FUNCTION VIRTUALIZATION) INFRASTRUCTURE	PCT/US2017/019942	WO2017/222609	WO		12/28/2017
7402	PDCP RLC HANDLING IN DC SPLIT BEARER	PCT/US2017/020418	WO2018/063435	WO		4/5/2018
7403	FILTERING FOR MEASUREMENT IN FIFTH GENERATION NETWORKS	PCT/US2017/020707	WO2018/034698	WO		2/22/2018
7404	SYSTEMS METHODS AND DEVICES FOR MEASUREMENT AND COMMUNICATION OF NUMEROLOGY OF SUBCARRIER SPACING	PCT/US2017/020924	WO2018/063437	WO		4/5/2018
7405	END-TO-END TECHNIQUES TO CREATE PM (PERFORMANCE MEASUREMENT) THRESHOLDS AT NFV (NETWORK FUNCTION VIRTUALIZATION) INFRASTRUCTURE	PCT/US2017/021488	WO2017/222613	WO		12/28/2017
7406	PAGING DESIGN FOR STAND-ALONE BEAMFORMED SYSTEM	PCT/US2017/022914	WO2017/176438	WO		10/12/2017
7407	CO-EXISTENCE OF GRANTLESS UPLINK AND SCHEDULED TRANSMISSIONS	PCT/US2017/023394	WO2017/165405	WO		9/28/2017
7408	IoT goes Unlicensed	PCT/US2017/024446	WO2018/182573	WO		10/4/2018
7409	CSI (CHANNEL STATE INFORMATION) ENHANCEMENTS FOR FD (FULL DIMENSION)-MIMO (MULTIPLE INPUT MULTIPLE OUTPUT)	PCT/US2017/025242	WO2017/173201	WO		10/5/2017
7410	APPARATUS AND METHOD FOR INTERPOLATING BETWEEN A FIRST AND A SECOND SIGNAL	PCT/US2017/025244	WO2018/182662	WO		10/4/2018
7411	MEASUREMENT ENHANCEMENT IN HIGH SPEED COMMUNICATION	PCT/US2017/025433	WO2017/173303	WO		10/5/2017
7412	DEVICE RADAR SENSING	PCT/US2017/025524	WO2018/182723	WO		10/4/2018
7413	RACH-LESS HANDOVER TO SMALL CELL	PCT/US2017/025617	WO2017/196459	WO		11/16/2017
7414	TECHNIQUES FOR CHANNEL STATE DETERMINATION	PCT/US2017/025629	WO2018/182745	WO		10/4/2018
7415	UE CAPABILITY SIGNALING FOR MAKE-BEFORE-BREAK AND RACH-LESS HANDOVER	PCT/US2017/026712	WO2018/026401	WO		2/8/2018
7416	TESTING OF USER EQUIPMENTS FOR IDLE PERIODS DISTRIBUTION	PCT/US2017/026860	WO2018/022151	WO		2/1/2018
7417	UPLINK DEMODULATION REFERENCE SIGNAL ENHANCEMENT IN FULL-DIMENSION MULTIPLE-INPUT MULTIPLE-OUTPUT SYSTEMS	PCT/US2017/027206	WO2017/180742	WO		10/19/2017

SCHEDULE A

No.	TITLE	Filing Number	Publication Number	Jurisdiction	Filing Date	Publication Date
7418	FREQUENCY TRACKING FOR BEAMFORMED SYSTEMS	PCT/US2017/027297	WO2017/180803	WO		10/19/2017
7419	SCHEDULING REQUEST TRANSMISSIONS IN THE UNLICENSED SPECTRUM	PCT/US2017/027766	WO2017/213751	WO		12/14/2017
7420	LOW LATENCY PHYSICAL RANDOM ACCESS CHANNEL DESIGN	PCT/US2017/027783	WO2017/181124	WO		10/19/2017
7421	DEVICES AND METHODS FOR BAND PAUSE TESTING	PCT/US2017/028542	WO2017/213759	WO		12/14/2017
7422	INDOOR POSITIONING ENHANCEMENTS	PCT/US2017/029607	WO2018/031084	WO		2/15/2018
7423	MULTIPLE MAC ENTITIES PER USER EQUIPMENT	PCT/US2017/029878	WO2018/031085	WO		2/15/2018
7424	METHODS FOR MULTI-CARRIER OPERATION WITH MULTIPLE ANCHOR CARRIERS IN NARROW-BAND INTERNET-OF-THINGS	PCT/US2017/030692	WO2017/192624	WO		11/9/2017
7425	SECURITY FOR PAGING MESSAGES	PCT/US2017/030724	WO2018/182759	WO		10/4/2018
7426	DUAL BEAM TRANSMISSION AND ACK (ACKNOWLEDGEMENT)/NACK (NEGATIVE ACKNOWLEDGEMENT) FEEDBACK MECHANISM FOR PUCCH (PHYSICAL UPLINK CONTROL CHANNEL)	PCT/US2017/030952	WO2017/192793	WO		11/9/2017
7427	PHASE COMPENSATION REFERENCE SIGNAL FOR 5G SYSTEMS	PCT/US2017/031825	WO2017/196896	WO		11/16/2017
7428	DEVICES AND METHODS FOR ELAA MULTI-CARRIER LBT	PCT/US2017/031953	WO2018/038777	WO		3/1/2018
7429	BANDWIDTH UTILIZATION DURING SILENCE FRAMES	PCT/US2017/032141	WO2018/208304	WO		11/15/2018
7430	INCREASE OF SPECTRAL CAPACITY OF EMBMS-CELL WHEN DEPLOYED AS A SUPPLEMENTARY DOWNLINK CARRIER	PCT/US2017/032290	WO2017/197200	WO		11/16/2017
7431	TRANSPORT CHANNEL TO PHYSICAL CHANNEL MAPPING WITH SCALABLE TRANSMISSION TIME INTERVALS	PCT/US2017/032380	WO2017/197248	WO		11/16/2017
7432	TRACKING USER EQUIPMENT AT RADIO ACCESS NETWORK LEVEL	PCT/US2017/032548	WO2017/197359	WO		11/16/2017
7433	HARMONIC SUPPRESSING LOCAL OSCILLATOR SIGNAL GENERATION	PCT/US2017/033762	WO2017/222709	WO		12/28/2017
7434	COMMUNICATION DEVICE AND A METHOD FOR OPERATING A COMMUNICATION DEVICE	PCT/US2017/034906	WO2018/004912	WO		1/4/2018
7435	DETERMINATION CIRCUIT AND APPARATUS MOBILE TRANSCEIVER COMMUNICATION DEVICE METHOD FOR DETERMINING COMPUTER PROGRAM AND STORAGE TO DETERMINE A SPATIAL TRANSMISSION MODE	PCT/US2017/034928	WO2018/004918	WO		1/4/2018
7436	METHODS AND TRANSCEIVERS FOR REDUCING A DISTORTION COMPONENT WITHIN A BASEBAND RECEIVE SIGNAL	PCT/US2017/035334	WO2018/004968	WO		1/4/2018
7437	X2 SUPPORT FOR ENHANCED MOBILITY (EMOB)	PCT/US2017/035736	WO2018/031110	WO		2/15/2018

SCHEDULE A

No.	TITLE	Filing Number	Publication Number	Jurisdiction	Filing Date	Publication Date
7438	CONTROL CHANNEL TRANSMISSION IN NEW RADIO ACCESS TECHNOLOGIES USING COMMON SEARCH SPACE	PCT/US2017/035899	WO2018/031111	WO		2/15/2018
7439	CORE NETWORK OVERLOAD CONTROL FOR CONTROL PLANE EVOLVED PACKET SYSTEM	PCT/US2017/035970	WO2018/063453	WO		4/5/2018
7440	SYSTEM AND METHOD FOR PHYSICAL UPLINK REQUEST CHANNEL DESIGN	PCT/US2017/036513	WO2017/218282	WO		12/21/2017
7441	UE CAPABILITIES FOR ELWA	PCT/US2017/036975	WO2018/063456	WO		4/5/2018
7442	CHANNEL STATE AND BEAM RELATED INFORMATION REPORTING	PCT/US2017/037637	WO2017/218749	WO		12/21/2017
7443	UPLINK SOUNDING REFERENCE SIGNAL (SRS) TRANSMISSION IN CARRIER AGGREGATION SYSTEM	PCT/US2017/038536	WO2017/223196	WO		12/28/2017
7444	DEVICE FOR AND METHOD OF RADIO ACCESS TECHNOLOGY SELECTION AMONG MULTIPLE RADIO ACCESS TECHNOLOGIES	PCT/US2017/038763	WO2018/022225	WO		2/1/2018
7445	SYSTEMS METHODS AND DEVICES FOR UPLINK BEARER AND ACCESS CATEGORY MAPPING	PCT/US2017/038804	WO2018/063461	WO		4/5/2018
7446	AT COMMANDS FOR CELLULAR INTERNET OF THINGS RATE CONTROL	PCT/US2017/038977	WO2018/063462	WO		4/5/2018
7447	SYSTEMS AND METHODS FOR DELIVERING RADIO APPLICATIONS TO RECONFIGURABLE RADIO EQUIPMENT	PCT/US2017/039117	WO2018/236399	WO		12/27/2018
7448	OPTIMIZED PAGING MECHANISM FOR IP MULTIMEDIA SUBSYSTEM (IMS)	PCT/US2017/039393	WO2018/005419	WO		1/4/2018
7449	DYNAMIC OFFLOADING OF V2X SERVICES TO DSRC	PCT/US2017/039554	WO2018/005531	WO		1/4/2018
7450	CONFIGURATION OF DISCONTINUOUS RECEPTION (DRX) PARAMETERS IN LIGHT CONNECTION	PCT/US2017/039561	WO2018/063467	WO		4/5/2018
7451	CHANNEL STATE INFORMATION CONFIGURATION FOR MOBILE COMMUNICATION SYSTEMS	PCT/US2017/039676	WO2018/031132	WO		2/15/2018
7452	EARLY ACKNOWLEDGEMENT FEEDBACK FOR 5G GROUPED TRANSMISSIONS	PCT/US2017/039690	WO2018/005615	WO		1/4/2018
7453	APPARATUSES TO AUTHORIZE AND ENABLE/DISABLE ENHANCED COVERAGE FUNCTIONALITY	PCT/US2017/039786	WO2018/005661	WO		1/4/2018
7454	SYSTEMS METHODS AND DEVICES FOR BEAM MEASUREMENT AND REPORTING IN CELLULAR NETWORKS	PCT/US2017/039892	WO2018/031138	WO		2/15/2018
7455	ENHANCED LTE-WLAN AGGREGATION X2 AND XW SUPPORT FOR HANDOVER WITHOUT WLAN TERMINATION CHANGE	PCT/US2017/039944	WO2018/031139	WO		2/15/2018
7456	BUFFER STATUS REPORTING METHODS AND PROCEDURES	PCT/US2017/040337	WO2018/031143	WO		2/15/2018
7457	PHASE NOISE COMPENSATION	PCT/US2017/040825	WO2018/009608	WO		1/11/2018
7458	COMMUNICATION DEVICE AND METHOD FOR WIRELESS COMMUNICATIONS	PCT/US2017/042301	WO2018/044402	WO		3/8/2018

SCHEDULE A

No.	TITLE	Filing Number	Publication Number	Jurisdiction	Filing Date	Publication Date
7459	DATA COMMUNICATION OVER SHORTENED TTI (TRANSMISSION TIME INTERVAL)	PCT/US2017/043629	WO2018/022560	WO		2/1/2018
7460	CONTROL SIGNALING FOR USER EQUIPMENT TRANSMISSION BEAMFORMING	PCT/US2017/043998	WO2018/022782	WO		2/1/2018
7461	AN ARRANGEMENT FOR CONCURRENT DETECTION OF SIGNALS IN A RECEIVER	PCT/US2017/044087	WO2018/044439	WO		3/8/2018
7462	LINK MONITORING REPETITION LEVEL FEEDBACK FOR COMMUNICATION SYSTEMS	PCT/US2017/044094	WO2018/063485	WO		4/5/2018
7463	COLLECTION OF VNF (VIRTUAL NETWORK FUNCTION) PERFORMANCE MEASUREMENTS RELATED TO VIRTUALIZED RESOURCES	PCT/US2017/044280	WO2018/022951	WO		2/1/2018
7464	TIMING ADVANCE FOR BEAM FORMING SYSTEMS	PCT/US2017/044540	WO2018/023086	WO		2/1/2018
7465	SYSTEMS AND METHODS FOR CONFIGURATION OF LIGHT CONNECTION	PCT/US2017/044658	WO2018/057120	WO		3/29/2018
7466	APPARATUSES AND METHODS FOR MEASURING NEIGHBORING INTER-FREQUENCY OR INTER-RAT CELLS	PCT/US2017/044781	WO2018/063494	WO		4/5/2018
7467	ENHANCED PHYSICAL RANDOM-ACCESS CHANNEL TRANSMISSION IN NEW RADIO STANDARD	PCT/US2017/044848	WO2018/031291	WO		2/15/2018
7468	SYSTEMS AND METHOD FOR SELECTING CARRIER RESOURCES FOR NARROWBAND PHYSICAL RANDOM ACCESS CHANNEL PROCEDURES	PCT/US2017/044946	WO2018/031300	WO		2/15/2018
7469	METHOD FOR COMMUNICATING COMPUTER PROGRAM WIRELESS COMMUNICATION DEVICE WIRELESS COMMUNICATIONS PROCESSOR TRANSMITTER AND APPLICATION PROCESSOR	PCT/US2017/045200	WO2018/080611	WO		5/3/2018
7470	MOBILE COMMUNICATION DEVICE AND METHOD FOR SELECTING A BEAM DIRECTION FOR AN ANTENNA	PCT/US2017/045662	WO2018/048543	WO		3/15/2018
7471	TRANSMISSION OF PHASE TRACKING REFERENCE SIGNALS (PT-RS)	PCT/US2017/045748	WO2018/027222	WO		2/8/2018
7472	RRC COORDINATION BETWEEN A PLURALITY OF NODES	PCT/US2017/045949	WO2018/031573	WO		2/15/2018
7473	COMMUNICATION NETWORK COMPONENT AND METHOD FOR REQUESTING CHANNEL INFORMATION	PCT/US2017/046191	WO2018/063519	WO		4/5/2018
7474	COMMUNICATION DEVICE AND METHOD FOR PERFORMING POSITIONING	PCT/US2017/046192	WO2018/063520	WO		4/5/2018
7475	WIRELESS LINK CONTROL AND RECOVERY USING POSITIONAL DATA	PCT/US2017/046405	WO2018/063527	WO		4/5/2018
7476	NARROWBAND DEFINITIONS RESOURCE ALLOCATION AND FREQUENCY HOPPING FOR USER EQUIPMENT	PCT/US2017/046580	WO2018/031927	WO		2/15/2018

SCHEDULE A

No.	TITLE	Filing Number	Publication Number	Jurisdiction	Filing Date	Publication Date
7477	SUPPORT OF SC-PTM BASED MULTICASTING FOR BL/CE AND NB-IoT UEs	PCT/US2017/046581	WO2018/031928	WO		2/15/2018
7478	AMPLITUDE-MODULATION SIGNAL AND PHASE-MODULATION SIGNAL DELAY ADJUSTMENT FOR POLAR TRANSMITTER	PCT/US2017/046882	WO2018/052612	WO		3/22/2018
7479	TRANSMITTER PERFORMANCE CALIBRATION SYSTEMS AND METHODS	PCT/US2017/046887	WO2018/057150	WO		3/29/2018
7480	ANTENNA ARRANGEMENT FOR WIRELESS VIRTUAL REALITY HEADSET	PCT/US2017/047115	WO2018/035209	WO		2/22/2018
7481	A RECEIVER A METHOD FOR CONTROLLING A RECEIVER AND A MOBILE COMMUNICATIONS DEVICE	PCT/US2017/047258	WO2018/063557	WO		4/5/2018
7482	BEAM REFINEMENT AND CONTROL SIGNALING FOR MOBILE COMMUNICATION SYSTEMS	PCT/US2017/047362	WO2018/035334	WO		2/22/2018
7483	MOBILE COMMUNICATIONS DEVICE AND METHOD USING SINGLE TRANSMISSION CHAIN	PCT/US2017/047470	WO2018/063567	WO		4/5/2018
7484	DETECTING A TOUCH INPUT TO A SURFACE	PCT/US2017/047495		WO		
7485	TRANSCIEVERS FOR A WIRELESS COMMUNICATION SYSTEM MOBILE DEVICE AND METHOD FOR IMPROVING TRANSCIEVER LOOPBACK CALIBRATION ACCURACY	PCT/US2017/047498	WO2019/035841	WO		2/21/2019
7486	DELTA SIGMA ANALOG-DIGITAL CONVERTER RADIO FRONT-END RADIO RECEIVER MOBIL TERMINAL AND BASE STATION	PCT/US2017/047500	WO2018/063568	WO		4/5/2018
7487	POWER ESTIMATION SYSTEM AND METHOD	PCT/US2017/047565	WO2018/057172	WO		3/29/2018
7488	MULTIPLEXING A RECEIVE CHAIN BETWEEN ENTITIES OF A DEVICE WHEN ERROR CORRECTING TECHNIQUE IS EMPLOYED BY AN ENTITY	PCT/US2017/047716	WO2018/080620	WO		5/3/2018
7489	NETWORK ASSISTED SIGNALING FOR HIGH SPEED DEPLOYMENTS	PCT/US2017/047856	WO2018/039143	WO		3/1/2018
7490	TRANSMISSION OF MULTIPLE USER SUPERPOSITION TRANSMISSION (MUST) PARAMETERS TO USER EQUIPMENTS	PCT/US2017/047986	WO2018/039212	WO		3/1/2018
7491	PAPR reduction for IQ RFDAC	PCT/US2017/048116	WO2018/057204	WO		3/29/2018
7492	DETECTING A TOUCH INPUT TO A SURFACE	PCT/US2017/048296	WO2019/035851	WO		2/21/2019
7493	USER EQUIPMENT (UE) EVOLVED NODE-B (ENB) AND METHODS FOR MULTIPLEXING NEW RADIO (NR) PHYSICAL UPLINK SHARED CHANNEL (NR PUSCH) AND NR PHYSICAL UPLINK CONTROL CHANNEL (NR PUCCH)	PCT/US2017/049296	WO2018/080629	WO		5/3/2018

SCHEDULE A

No.	TITLE	Filing Number	Publication Number	Jurisdiction	Filing Date	Publication Date
7494	USER EQUIPMENT (UE) EVOLVED NODE-B (ENB) AND METHODS FOR DYNAMIC HYBRID AUTOMATIC REPEAT REQUEST (HARQ)	PCT/US2017/049313	WO2018/071104	WO		4/19/2018
7495	METHOD AND APPARATUS FOR IIP2 CALIBRATION	PCT/US2017/049614	WO2019/045729	WO		3/7/2019
7496	CELLULAR TELEPHONE NETWORK TO NARROW BAND INTERNET OF THINGS NETWORK SWITCHING METHOD AND APPARATUS	PCT/US2017/050415	WO2018/063763	WO		4/5/2018
7497	FREQUENCY DIFFERENCE DETERMINATION	PCT/US2017/050427	WO2018/075155	WO		4/26/2018
7498	DITHERING FOR SPUR REDUCTION IN LOCAL OSCILLATOR GENERATION	PCT/US2017/051058	WO2019/054981	WO		3/21/2019
7499	WIRELESS LOCAL AREA NETWORK INTEGRATION WITH INTERNET PROTOCOL SECURITY TUNNEL	PCT/US2017/052286	WO2018/057521	WO		3/29/2018
7500	UPLINK TRANSMISSION FOR MULTIPLE SERVICES AND PHYSICAL CONFIGURATIONS IN WIRELESS NETWORKS	PCT/US2017/053325	WO2018/064002	WO		4/5/2018
7501	RADAR UTILIZATION IN PHASED ARRAY COMMUNICATION SYSTEMS	PCT/US2017/056505	WO2018/118195	WO		6/28/2018
7502	USER EQUIPMENT (UE) EVOLVED NODE-B (ENB) AND METHODS FOR SIGNALING OF NEW RADIO (NR) PHYSICAL UPLINK CONTROL CHANNEL (PUCCH) ALLOCATIONS	PCT/US2017/057024	WO2018/085044	WO		5/11/2018
7503	SIGNALING TO SUPPORT REDUCED PROCESSING TIME	PCT/US2017/057985	WO2018/085075	WO		5/11/2018
7504	REFERENCE SIGNAL TIME DIFFERENCE (RSTD) MEASUREMENTS FOR OBSERVED TIME DIFFERENCE OF ARRIVAL (OTDOA) POSITIONING	PCT/US2017/058080	WO2018/085078	WO		5/11/2018
7505	DOWNLINK CONTROL INFORMATION DESIGN WITH SHORTER TTI	PCT/US2017/058611	WO2018/085118	WO		5/11/2018
7506	UE BEHAVIOR DURING SRS SWITCHING AMONG TDD COMPONENT CARRIERS	PCT/US2017/058812	WO2018/081597	WO		5/3/2018
7507	AVOIDANCE OF HFN DESYNCHRONIZATION IN UPLINK OVER WLAN IN LTE-WLAN AGGREGATION	PCT/US2017/059117	WO2018/085209	WO		5/11/2018
7508	LWIP USER PLANE INTERFACE	PCT/US2017/059372	WO2018/085290	WO		5/11/2018
7509	SIGNALING OF SUPPORT FOR NCSG FOR INTERRUPTION CONTROL	PCT/US2017/059609	WO2018/085459	WO		5/11/2018
7510	UE AND DEVICES FOR CODEC RATE ADAPTATION	PCT/US2017/059952	WO2018/085668	WO		5/11/2018
7511	MESSAGE 3 TRANSMISSION IN RANDOM ACCESS PROCEDURE FOR NR	PCT/US2017/060010	WO2018/085701	WO		5/11/2018
7512	BEAM RECIPROCITY INDICATION AND JOINT UPLINK DOWNLINK BEAM MANAGEMENT	PCT/US2017/060023	WO2018/085709	WO		5/11/2018
7513	SYSTEMS AND METHODS TO REPORT BAND COMBINATION CAPABILITIES IN A TELECOMMUNICATION NETWORK	PCT/US2017/060046	WO2018/085721	WO		5/11/2018

SCHEDULE A

No.	TITLE	Filing Number	Publication Number	Jurisdiction	Filing Date	Publication Date
7514	SYSTEMS AND METHODS TO OPTIMIZE REPORTING OF PHYSICAL PARAMETERS IN A TELECOMMUNICATION NETWORK	PCT/US2017/060050	WO2018/085723	WO		5/11/2018
7515	SYSTEMS AND METHODS FOR BI-CASTING INFORMATION TO USER EQUIPMENT OF A WIRELESS TELECOMMUNICATION NETWORK	PCT/US2017/060055	WO2018/085727	WO		5/11/2018
7516	SYSTEMS METHODS AND DEVICES FOR HANDLING STICKINESS OF UE-SPECIFIC RAN-CN ASSOCIATION	PCT/US2017/060231	WO2018/085784	WO		5/11/2018
7517	DYNAMIC PROTOCOL STACK RESET DURING RADIO HANDOVER	PCT/US2017/061115	WO2018/089803	WO		5/17/2018
7518	CONFIGURATION OF RADIO RESOURCE MANAGEMENT MEASUREMENT	PCT/US2017/061263	WO2018/089879	WO		5/17/2018
7519	DEVICES FOR PER-CC MEASUREMENT GAP CONFIGURATION	PCT/US2017/061352	WO2018/089917	WO		5/17/2018
7520	COVERAGE ENHANCEMENT FOR UNLICENSED INTERNET OF THINGS (U-IoT)	PCT/US2017/061873	WO2018/093951	WO		5/24/2018
7521	LWIP (LTE/WLAN RADIO LEVEL INTEGRATION USING IPSEC TUNNEL) PACKET ACKNOWLEDGMENT USING GRE (GENERIC ROUTING ENCAPSULATION) HEADER	PCT/US2017/061936	WO2018/102138	WO		6/7/2018
7522	ENHANCED HANDOVER MECHANISM	PCT/US2017/062280	WO2018/106429	WO		6/14/2018
7523	5G MMWAVE WIRELESS REMOTE RADIO HEAD SYSTEM	PCT/US2017/062288	WO2018/094203	WO		5/24/2018
7524	APPARATUSES AND METHODS FOR WIRELESS COMMUNICATION	PCT/US2017/063168	WO2019/103746	WO		5/31/2019
7525	VEHICLE-TO-EVERYTHING POSITIONING TECHNIQUE	PCT/US2017/063307	WO2018/106467	WO		6/14/2018
7526	SYSTEMS METHODS AND DEVICES FOR VIRTUAL NETWORK FUNCTION VIRTUAL PROCESSOR USAGE REPORTING IN CELLULAR NETWORKS	PCT/US2017/064538	WO2018/106604	WO		6/14/2018
7527	SYSTEMS AND METHODS FOR CHANNEL ACCESS IN A MULTIFIRE ENVIRONMENT	PCT/US2017/064653	WO2018/106658	WO		6/14/2018
7528	ADVANCED CONTROL CHANNEL FOR COVERAGE ENHANCEMENT	PCT/US2017/064676	WO2018/106668	WO		6/14/2018
7529	BEAMFORMING MEASUREMENTS BASED ON PSS/SSS	PCT/US2017/064751	WO2018/118419	WO		6/28/2018
7530	DESIGN OF DISCOVERY REFERENCE SIGNALS	PCT/US2017/064967	WO2018/106841	WO		6/14/2018
7531	MULTIFIRE USER EQUIPMENT FOR GRANTLESS UPLINK TRANSMISSION	PCT/US2017/065102	WO2018/106911	WO		6/14/2018
7532	UE BEHAVIORS FOR SEMI-PERSISTENT CSI-RS TRANSMISSION AND CSI REPORTING	PCT/US2017/065312	WO2018/107029	WO		6/14/2018
7533	PROVIDING CONCURRENT CONNECTIONS TO A SUBSCRIBER USING A MOBILE DEVICE HAVING MULTIPLE TRANSCEIVERS	PCT/US2017/065667	WO2018/111788	WO		6/21/2018
7534	COMMUNICATION OPERATIONS IN MULTI-SIM WIRELESS DEVICES	PCT/US2017/065678	WO2018/111790	WO		6/21/2018

SCHEDULE A

No.	TITLE	Filing Number	Publication Number	Jurisdiction	Filing Date	Publication Date
7535	CAMPING IN THE CONTEXT OF DEVICE-TO-DEVICE COMMUNICATION CAPABILITY IN A WIRELESS DEVICE	PCT/US2017/065681	WO2018/111793	WO		6/21/2018
7536	USER EQUIPMENT (UE) GENERATION NODE-B (GNB) AND METHODS FOR SIGNALING OF CONTROL INFORMATION FOR PRE-CODING	PCT/US2017/065710	WO2018/111809	WO		6/21/2018
7537	Novel multifeed predistorter with realtime adaptation	PCT/US2017/066066	WO2019/117888	WO		6/20/2019
7538	METHOD AND APPARATUS FOR DIGITAL ENVELOPE TRACKING WITH DYNAMICALLY CHANGING VOLTAGE LEVELS FOR POWER AMPLIFIER	PCT/US2017/066556	WO2019/117933	WO		6/20/2019
7539	RESOURCE ALLOCATION AND DETAILED DESIGN FOR NEW RADIO (NR) PHYSICAL UPLINK CONTROL CHANNEL (PUCCH) WITH MULTIPLE SLOT DURATION	PCT/US2017/066637	WO2018/112322	WO		6/21/2018
7540	GENERATION NODE-B (GNB) USER EQUIPMENT (UE) AND METHODS FOR INTERLEAVING IN MULTIPLE-INPUT MULTIPLE-OUTPUT (MIMO) ARRANGEMENTS	PCT/US2017/066796	WO2018/128780	WO		7/12/2018
7541	TRANSMISSION SCHEME FOR COMMON CONTROL MESSAGE WITH MULTI-BEAM OPERATION	PCT/US2017/067033	WO2018/128786	WO		7/12/2018
7542	SYSTEMS METHODS AND DEVICES FOR REPORTING SUPPORTED CELLULAR CAPABILITY COMBINATIONS	PCT/US2017/067044	WO2018/118788	WO		6/28/2018
7543	LONG-TERM EVOLUTION WIRELESS LOCAL AREA NETWORK AGGREGATION ENHANCEMENTS FOR ENTERPRISE AND HOME USE	PCT/US2017/067390	WO2018/118973	WO		6/28/2018
7544	MEASUREMENT JOB SUSPENSION AND RESUMPTION IN NETWORK FUNCTION VIRTUALIZATION	PCT/US2017/067398	WO2018/128804	WO		7/12/2018
7545	SYSTEMS AND METHODS FOR UE TO SWITCH BETWEEN LTE RAT AND NR RAT DURING TRANSITION FROM INACTIVE STATE TO ACTIVE STATE	PCT/US2017/067679	WO2018/119119	WO		6/28/2018
7546	SYSTEMS AND METHODS FOR PACKET FORWARDING DURING HANDOVER PROCEDURES	PCT/US2017/067685	WO2018/119123	WO		6/28/2018
7547	A SYSTEM AND METHOD OF COTROLLING A TRANSMISSION	PCT/US2017/067763	WO2018/125730	WO		7/5/2018
7548	MEASUREMENT OF CROSSLINK INTERFERENCE IN A DYNAMIC TIME DIVISION DUPLEX (TDD) NEW RADIO (NR) SYSTEM	PCT/US2017/068012	WO2018/128851	WO		7/12/2018
7549	SYSTEMS METHODS AND DEVICES FOR CONGESTION CONTROL FOR TRANSPORT OF USER DATA VIA A CONTROL PLANE	PCT/US2017/068165	WO2018/125795	WO		7/5/2018
7550	(UL) UPLINK (BW) BANDWIDTH ADAPTATION AND MULTI-BW PART OPERATION IN NR (NEW RADIO)	PCT/US2017/068177	WO2018/128855	WO		7/12/2018

SCHEDULE A

No.	TITLE	Filing Number	Publication Number	Jurisdiction	Filing Date	Publication Date
7551	GENERATION NODE-B (GNB) USER EQUIPMENT (UE) AND METHODS FOR HANDOVER IN NEW RADIO (NR) SYSTEMS	PCT/US2017/068287	WO2018/128862	WO		7/12/2018
7552	SYNCHRONIZATION SIGNAL TRANSMISSION AND RECEPTION	PCT/US2017/068349	WO2018/128867	WO		7/12/2018
7553	RESOURCE ALLOCATION DESIGN AND CONFIGURABLE DM (DEMODULATION)-RS (REFERENCE SIGNAL) FOR NR (NEW RADIO) UL (UPLINK) CONTROL CHANNEL	PCT/US2017/068398	WO2018/128870	WO		7/12/2018
7554	SYSTEMS METHODS AND DEVICES FOR MEETING CELLULAR DATA TURNAROUND TIME	PCT/US2017/068431	WO2018/128873	WO		7/12/2018
7555	INSTANTIATION AND MANAGEMENT OF PHYSICAL AND VIRTUALIZED NETWORK FUNCTIONS OF A RADIO ACCESS NETWORK NODE	PCT/US2017/068435	WO2018/128875	WO		7/12/2018
7556	USER EQUIPMENT (UE) GENERATION NODE-B (GNB) AND METHODS FOR PHASE TRACKING REFERENCE SIGNAL (PT-RS) PRE-CODING	PCT/US2017/068525	WO2018/125910	WO		7/5/2018
7557	SYSTEMS METHODS AND DEVICES FOR ALARM NOTIFICATION IN A NETWORK FUNCTION VIRTUALIZATION INFRASTRUCTURE	PCT/US2017/068580	WO2018/128894	WO		7/12/2018
7558	MIXED MODE BLUETOOTH COMMUNICATIONS	PCT/US2017/068707	WO2019/050556	WO		3/14/2019
7559	PREDISTORTION CIRCUIT METHOD FOR GENERATING A PREDISTORTED BASEBAND SIGNAL CONTROL CIRCUIT FOR A METHOD FOR A PREDISTORTION CIRCUIT METHOD TO DETERMINE PARAMETERS FOR A PREDISTORTION CIRCUIT AND APPARATUS AND METHOD FOR PREDISTORTING A BASEBAND SIGNAL	PCT/US2017/068859	WO2019/132949	WO		7/4/2019
7560	ELECTRICAL DEVICE ELECTRICAL SYSTEM WITH AN ELECTRICAL DEVICE AND METHOD TO PROVIDE AN ELECTRICAL DEVICE	PCT/US2017/068868	WO2019/132950	WO		7/4/2019
7561	LOW OVERHEAD SUBBAND PHYSICAL DOWNLINK CONTROL FOR COMMUNICATION SYSTEMS	PCT/US2017/068925	WO2018/128922	WO		7/12/2018
7562	BEAM ACQUISITION USING A REFERENCE SIGNAL STRUCTURE FOR COMMUNICATION SYSTEMS	PCT/US2017/068931	WO2018/128923	WO		7/12/2018
7563	BANDWIDTH ADAPTATION FOR WIRELESS COMMUNICATION SYSTEM	PCT/US2017/069070	WO2018/128938	WO		7/12/2018
7564	INTERFERENCE MEASUREMENTS WITH UE BEAM INDICATION	PCT/US2017/069074	WO2018/128940	WO		7/12/2018
7565	MEASUREMENT OF BEAM REFINEMENT SIGNAL	PCT/US2017/069081	WO2018/128944	WO		7/12/2018
7566	ACCESS CONTROL FOR WIRELESS CELLULAR COMMUNICATION SYSTEMS	PCT/US2017/069108	WO2018/128947	WO		7/12/2018
7567	INTER-NODE INTERFERENCE AVOIDANCE	PCT/US2017/069114	WO2018/128948	WO		7/12/2018

SCHEDULE A

No.	TITLE	Filing Number	Publication Number	Jurisdiction	Filing Date	Publication Date
7568	UE TESTING SYSTEM FOR RF CHARACTERISTICS FOR THE NEW RADIO STANDARD	PCT/US2017/069120	WO2018/128950	WO		7/12/2018
7569	LOCATION POSITIONING PROTOCOL BASED POSITIONING FOR UES IN IDLE MODE	PCT/US2017/069122	WO2018/136224	WO		7/26/2018
7570	CONTROL RESOURCE BLOCK SET SEARCH SPACE DESIGN	PCT/US2018/000089	WO2018/151871	WO		8/23/2018
7571	PHASE TRACKING REFERENCE SIGNAL INDICATIOIN IN MULTI-USER SUPERPOSITION TRANSMISSION	PCT/US2018/000092	WO2018/164761	WO		9/13/2018
7572	FAKE GNB/ENB DETECTION USING IDENTITY-BASED AUTHENTICATION AND ENCRYPTION	PCT/US2018/012385	WO2018/140204	WO		8/2/2018
7573	5G RAN1 method of transmission structure of synchronization signals	PCT/US2018/012398	WO2018/129196	WO		7/12/2018
7574	ESTABLISHMENT OF RANDOM ACCESS CHANNEL COMMUNICATIONS	PCT/US2018/012685	WO2018/129394	WO		7/12/2018
7575	COVERAGE ENHANCEMENT RESTRICTION FOR CIOT DEVICES	PCT/US2018/012796	WO2018/129453	WO		7/12/2018
7576	ADVERTISEMENT OF NR CAPABILITY TO USER EQUIPMENT	PCT/US2018/013347	WO2018/136298	WO		7/26/2018
7577	BINARY STOCHASTIC TIME-TO-DIGITAL CONVERTER AND METHOD	PCT/US2018/014356	WO2018/182826	WO		10/4/2018
7578	RELIABLE DATA SERVICE PROTOCOL FOR CIOT DEVICES	PCT/US2018/014488	WO2018/144249	WO		8/9/2018
7579	SEMI-PERSISTENT SCHEDULING FOR AUTONOMOUS TRANSMISSION ACTIVATION AND RELEASE	PCT/US2018/014558	WO2018/136815	WO		7/26/2018
7580	BUFFER STATUS REPORT ENHANCEMENTS FOR TCP FLOW	PCT/US2018/014859	WO2018/140401	WO		8/2/2018
7581	RADIO RESOURCE CONTROL (RRC) LIGHT CONNECTION	PCT/US2018/015037	WO2018/144281	WO		8/9/2018
7582	eLWA/LWIP ACTIONS UPON WLAN DISCONNECT	PCT/US2018/015253	WO2018/140608	WO		8/2/2018
7583	FREQUENCY DEPENDENT ENVELOPE TRACKING	PCT/US2018/015413	WO2018/156303	WO		8/30/2018
7584	SYSTEM AND METHOD OF SINGLE RADIO VOICE CALL CONTINUITY HANDOVER REDUCTION	PCT/US2018/015526	WO2018/144345	WO		8/9/2018
7585	CONTROL SIGNALING FOR BEAM MANAGEMENT	PCT/US2018/015726	WO2018/144384	WO		8/9/2018
7586	HANDLING OF USER EQUIPMENT COVERAGE ENHANCEMENT MODE B RADIO CAPABILITY MISMATCH DUE TO CHANGE IN USER EQUIPMENT USAGE SETTING	PCT/US2018/015869	WO2018/174995	WO		9/27/2018
7587	TECHNIQUES FOR RADIO CELL RESELECTION	PCT/US2018/015871	WO2019/151978	WO		8/8/2019
7588	SPUR CANCELATION USING INVERSE SPUR INJECTION	PCT/US2018/016140	WO2018/160312	WO		9/7/2018
7589	DEVICES FOR PER-CC MEASUREMENT GAP CONFIGURATION	PCT/US2018/016207	WO2018/144584	WO		8/9/2018

SCHEDULE A

No.	TITLE	Filing Number	Publication Number	Jurisdiction	Filing Date	Publication Date
7590	MANAGEMENT OF VOICE SERVICES FOR USER EQUIPMENTS IN COVERAGE ENHANCEMENT (CE) MODE B	PCT/US2018/016285	WO2018/148083	WO		8/16/2018
7591	ANCHOR CHANNEL DESIGN FOR UNLICENSED INTERNET OF THINGS (IOT)	PCT/US2018/016299	WO2018/144638	WO		8/9/2018
7592	DOWNLINK CONTROL SIGNALING SEGMENTATION	PCT/US2018/016302	WO2018/144641	WO		8/9/2018
7593	POWER HEADROOM REPORTING FOR SHORTENED TRANSMISSION TIME INTERVALS	PCT/US2018/016306	WO2018/144643	WO		8/9/2018
7594	WIDEBAND MEASUREMENTS IN NEW RADIO SYSTEMS	PCT/US2018/016345	WO2018/144670	WO		8/9/2018
7595	SYSTEMS METHODS AND APPARATUSES FOR DIAMETER BASED INTERFACES TO ENABLE RESTRICTIONS OF COVERAGE ENHANCEMENT IN WIRELESS NETWORKS	PCT/US2018/016389	WO2018/144697	WO		8/9/2018
7596	POSITIONING ENHANCEMENTS FOR NARROWBAND INTERNET OF THINGS	PCT/US2018/016441	WO2018/144722	WO		8/9/2018
7597	GENERATION NODE-B (GNB) USER EQUIPMENT (UE) AND METHODS FOR HANDOVER BASED ON MULTI-CONNECTIVITY IN NEW RADIO (NR) SYSTEMS	PCT/US2018/016491	WO2018/144758	WO		8/9/2018
7598	RSRP METRIC FOR NEW RADIO STANDARD	PCT/US2018/016521	WO2018/144781	WO		8/9/2018
7599	SYSTEM INFORMATION ACQUISITION ENHANCEMENTS FOR WIRELESS DEVICES	PCT/US2018/016613	WO2018/144836	WO		8/9/2018
7600	QUALITY OF SERVICE FLOW TO DATA RADIO BEARER MAPPING OVERRIDE BIT	PCT/US2018/016635	WO2018/144855	WO		8/9/2018
7601	MECHANISMS TO HANDLE DL (DOWNLINK) CONTROL AND DATA CHANNELS WITH DIFFERENT NUMEROLOGIES IN NR (NEW RADIO)	PCT/US2018/016661	WO2018/144877	WO		8/9/2018
7602	PROVISIONS FACILITATING BANDWIDTH ADAPTATION TRANSITION AND MEASUREMENT	PCT/US2018/016679	WO2018/144892	WO		8/9/2018
7603	NETWORK CONTROLLED SMALL GAP CONFIGURATION	PCT/US2018/016719	WO2018/144927	WO		8/9/2018
7604	ALLOCATION OF UPLINK RESOURCES BASED ON USER EQUIPMENT POWER CLASSES	PCT/US2018/016728	WO2018/144936	WO		8/9/2018
7605	TECHNIQUES FOR RESOURCE SHARING	PCT/US2018/016790	WO2019/125508	WO		6/27/2019
7606	SYSTEMS METHODS AND DEVICES FOR VIRTUAL RESOURCE METRIC MANAGEMENT	PCT/US2018/016806	WO2018/148135	WO		8/16/2018
7607	NETWORK RESOURCE MODEL TO SUPPORT NEXT GENERATION NODE B	PCT/US2018/016818	WO2018/144983	WO		8/9/2018
7608	TRANSMISSION OF GROUP COMMON PDCCH (PHYSICAL DOWNLINK CONTROL CHANNEL) FOR NR (NEW RADIO)	PCT/US2018/016889	WO2018/145019	WO		8/9/2018

SCHEDULE A

No.	TITLE	Filing Number	Publication Number	Jurisdiction	Filing Date	Publication Date
7609	HYBRID AUTOMATIC REPEAT REQUEST-ACKNOWLEDGMENT BUNDLING FOR COMMUNICATION SYSTEMS	PCT/US2018/017024	WO2018/145074	WO		8/9/2018
7610	RETRANSMISSION MECHANISMS FOR CBG-BASED HARQ OPERATIONS	PCT/US2018/017032	WO2018/145078	WO		8/9/2018
7611	GENERATION NODE-B (GNB) USER EQUIPMENT (UE) AND METHODS OF SYNCHRONIZATION BASED ON SYNCHRONIZATION SIGNAL (SS) BLOCKS IN NEW RADIO (NR) SYSTEMS	PCT/US2018/017048	WO2018/145081	WO		8/9/2018
7612	Determining Timing Differences Between Primary and Secondary Component Carriers Having Variable Transmission Time Intervals	PCT/US2018/017055	WO2018/145083	WO		8/9/2018
7613	USER EQUIPMENT (UE) EVOLVED NODE-B (ENB) AND METHODS TO INDICATE PARAMETERS FOR A RELAY ARRANGEMENT	PCT/US2018/017057	WO2018/145084	WO		8/9/2018
7614	RESOURCE MAPPING AND MULTIPLEXING OF UPLINK CONTROL CHANNEL AND UPLINK DATA CHANNEL	PCT/US2018/017114	WO2018/145115	WO		8/9/2018
7615	REPORTING A NUMBER OF EFFECTIVE FREQUENCIES FOR RADIO RESOURCE MANNAGEMENT PURPOSES	PCT/US2018/017828	WO2018/148662	WO		8/16/2018
7616	PHYSICAL DOWNLINK CONTROL CHANNEL (PDCCH) DEMODULATION REFERENCE SIGNAL (DMRS) TRANSMISSION AND RECEPTION	PCT/US2018/018109	WO2018/152153	WO		8/23/2018
7617	SYSTEM INFORMATION DECODING IN WIRELESS NETWORKS	PCT/US2018/018317	WO2018/152297	WO		8/23/2018
7618	USER EQUIPMENT (UE) EVOLVED NODE-B (ENB) AND METHODS OF PAGING IN ACCORDANCE WITH A RELAY ARRANGEMENT	PCT/US2018/018375	WO2018/164821	WO		9/13/2018
7619	Feed-Forward Envelope Tracking	PCT/US2018/018912	WO2018/182880	WO		10/4/2018
7620	EXIT CONDITIONS FOR CONDITIONAL HANDOVERS AND BEAM BASED MOBILITY STATE ESTIMATION	PCT/US2018/019124	WO2018/156696	WO		8/30/2018
7621	Frequency domain based digital cancellation of modulated spur interference in LTE-CA transceivers	PCT/US2018/019489	WO2018/182889	WO		10/4/2018
7622	SYSTEMS METHODS AND APPARATUSES FOR MANAGING MULTIPLE ANCHORS FOR MULTI-HOMING	PCT/US2018/019658	WO2018/157030	WO		8/30/2018
7623	TRANSMISSION OF SYNCHRONIZATION SIGNALS	PCT/US2018/020719	WO2018/161001	WO		9/7/2018
7624	High Speed train in New Radio (NR)	PCT/US2018/020898	WO2018/161073	WO		9/7/2018
7625	Techniques for Improved Beam Management	PCT/US2018/020909	WO2018/165018	WO		9/13/2018

SCHEDULE A

No.	TITLE	Filing Number	Publication Number	Jurisdiction	Filing Date	Publication Date
7626	EVOLVED NODE-B (ENB) USER EQUIPMENT (UE) AND METHODS OF SWITCHING BETWEEN DIRECT AND INDIRECT COMMUNICATION FOR A RELAY ARRANGEMENT	PCT/US2018/021134	WO2018/165150	WO		9/13/2018
7627	MONITORING CONTROL CHANNELS IN CONTROL RESOURCE SETS FOR NEW RADIO	PCT/US2018/021212	WO2018/165202	WO		9/13/2018
7628	DESIGN OF DOWNLINK CONTROL INFORMATION FOR WIDEBAND COVERAGE ENHANCEMENT	PCT/US2018/021420	WO2018/165347	WO		9/13/2018
7629	TECHNOLOGY COORDINATION FOR DEVICE-TO-DEVICE DISCOVERY	PCT/US2018/021745	WO2018/165548	WO		9/13/2018
7630	CHANNEL QUALITY INDICATOR TABLE DESIGN FOR WIDEBAND COVERAGE ENHANCEMENT IN MULTIFIRE SYSTEMS	PCT/US2018/021836	WO2018/169797	WO		9/20/2018
7631	EFFICIENT BEAM SEARCH METHODS FOR THREE DIMENSIONAL BEAMFORMING WITH NON-PRECODED REFERENCE SIGNALS	PCT/US2018/021912	WO2018/182954	WO		10/4/2018
7632	SYSTEMS METHODS AND APPARATUSES FOR CONFIGURING MEASUREMENT GAP PER FREQUENCY GROUP AND PER CELL	PCT/US2018/021926	WO2018/169829	WO		9/20/2018
7633	METHODS AND SYSTEMS FOR INSTANTIATING AND CONNECTING RADIO ACCESS NETWORK VIRTUALIZED NETWORK FUNCTION AND CORE NETWORK VIRTUALIZED NETWORK FUNCTION	PCT/US2018/022055	WO2018/169883	WO		9/20/2018
7634	INSTANTIATION OF A VIRTUAL NETWORK FUNCTION (VNF) AS PART OF A GNODEB (GNB)	PCT/US2018/022057	WO2018/169884	WO		9/20/2018
7635	DETERMINATION OF NEW RADIO (NR) PHYSICAL UPLINK CONTROL CHANNEL(PUCCH) RESOURCE FOR HYBRID AUTOMATIC REPEAT REQUEST ACKNOWLEDGEMENT (HARQ-ACK) FEEDBACK	PCT/US2018/022149	WO2018/169937	WO		9/20/2018
7636	SYSTEMS METHODS AND DEVICES FOR SELECTING CELLULAR TIMING CONFIGURATIONS	PCT/US2018/022409	WO2018/175176	WO		9/27/2018
7637	SUPPORTING SON FUNCTIONS ON NETWORK SLICE INSTANCES	PCT/US2018/022445	WO2018/170135	WO		9/20/2018
7638	DEVICES AND METHODS FOR DYNAMIC RACH	PCT/US2018/022705	WO2018/170300	WO		9/20/2018
7639	NARROWBAND INTERNET-OF-THINGS (NB-IOT) ENHANCEMENTS	PCT/US2018/022926	WO2018/175249	WO		9/27/2018
7640	ENHANCED CELL SEARCH AND SYSTEM INFORMATION ACQUISITION	PCT/US2018/023351	WO2018/175433	WO		9/27/2018
7641	DESIGN OF EARLY TERMINATION SIGNAL AND HARQ-ACK FEEDBACK FOR PUSCH	PCT/US2018/023368	WO2018/175446	WO		9/27/2018
7642	SYSTEMS METHODS AND DEVICES FOR MEASUREMENT CONFIGURATION BY A SECONDARY NODE IN EN-DC	PCT/US2018/023401	WO2018/175470	WO		9/27/2018

SCHEDULE A

No.	TITLE	Filing Number	Publication Number	Jurisdiction	Filing Date	Publication Date
7643	PARTIAL UPLINK SUBFRAME TRANSMISSIONS ON UNLICENSED CARRIERS	PCT/US2018/023409	WO2018/175477	WO		9/27/2018
7644	SUB-PRB RESOURCE ALLOCATION FOR PUSCH IN EVEN FURTHER ENHANCED MTC	PCT/US2018/023467	WO2018/175521	WO		9/27/2018
7645	PRIORITIZED MESSAGING AND RESOURCE SELECTION IN VEHICLE-TO-VEHICLE (V2V) SIDELINK COMMUNICATION	PCT/US2018/023525	WO2018/175553	WO		9/27/2018
7646	RADIO LINK MONITORING BEAM RECOVERY AND RADIO LINK FAILURE HANDLING	PCT/US2018/023579	WO2018/175593	WO		9/27/2018
7647	Method for Interference Measurement in New Radio (NR) Communication Systems	PCT/US2018/023684	WO2018/175674	WO		9/27/2018
7648	NR (New Radio) PRACH (Physical Random Access Channel) Configuration and Multi-Beam Operation	PCT/US2018/023736	WO2018/175705	WO		9/27/2018
7649	Design of Cell Specific Reference Signal (CRS) Muting for Even Further Enhanced Machine Type Communication (EFEMTC)	PCT/US2018/023769	WO2018/175724	WO		9/27/2018
7650	DESIGN OF SCHEDULING REQUEST FOR FURTHER ENHANCED NARROWBAND INTERNET OF THINGS (feNB-IoT)	PCT/US2018/023829	WO2018/175764	WO		9/27/2018
7651	EXPIRATION HANDLING OF TWO-STAGE GRANT VALIDITY DURATION	PCT/US2018/023865	WO2018/175795	WO		9/27/2018
7652	NEW RADIO (NR) SHORT AND LONG DURATION PHYSICAL UPLINK CONTROL CHANNEL (PUCCH) DESIGN	PCT/US2018/023877	WO2018/175801	WO		9/27/2018
7653	TIMING DETERMINATION TECHNIQUES FOR 5G RADIO ACCESS NETWORK CELLS	PCT/US2018/023882	WO2018/175805	WO		9/27/2018
7654	TECHNIQUES TO ENABLE PHYSICAL DOWNLINK CONTROL CHANNEL COMMUNICATIONS	PCT/US2018/023883	WO2018/175806	WO		9/27/2018
7655	TRACKING REFERENCE SIGNALS FOR NEW RADIO	PCT/US2018/023890	WO2018/175813	WO		9/27/2018
7656	DEVICE AND METHOD TO ALLOW CROSS-TRANSMISSION TIME INTERVAL (TTI) SWITCHING AND HYBRID AUTOMATIC REPEAT REQUEST (HARQ) OPERATION IN A NEW RADIO NETWORK	PCT/US2018/023895	WO2018/175815	WO		9/27/2018
7657	ENHANCED CONDITIONAL HANDOVER	PCT/US2018/023900	WO2018/175819	WO		9/27/2018
7658	SCHEDULING AND HYBRID AUTOMATIC REPEAT REQUEST OPERATION AND CODEBOOK DESIGN FOR NEW RADIO CARRIER AGGREGATION	PCT/US2018/023901	WO2018/175820	WO		9/27/2018
7659	Beam Recovery Frame Structure and Recovery Request for Communication Systems	PCT/US2018/023967	WO2018/175852	WO		9/27/2018
7660	SUPPORT OF 64 QAM FOR EFEMTC PDSCH TRANSMISSION	PCT/US2018/024038	WO2018/175896	WO		9/27/2018

SCHEDULE A

No.	TITLE	Filing Number	Publication Number	Jurisdiction	Filing Date	Publication Date
7661	DOWNLINK CONTROL INFORMATION TO SUPPORT UPLINK PARTIAL SUBFRAME TRANSMISSION ON LICENSED ASSISTED ACCESS SECONDARY CELL	PCT/US2018/024142	WO2018/175964	WO		9/27/2018
7662	CONTROL SIGNALING FOR DEMODULATION REFERENCE SIGNAL ANTENNA PORT INDICATION	PCT/US2018/024201	WO2018/176002	WO		9/27/2018
7663	TRANSMITTERS AND METHODS FOR OPERATING THE SAME	PCT/US2018/024455	WO2019/190469	WO		10/3/2019
7664	RF TRANSMIT ARCHITECTURE METHODS	PCT/US2018/024589	WO2018/183343	WO		10/4/2018
7665	MECHANISMS FOR HANDLING UPLINK GRANTS INDICATING DIFFERENT PHYSICAL UPLINK SHARED CHANNEL STARTING POSITIONS IN A SAME SUBFRAME	PCT/US2018/024748	WO2018/183436	WO		10/4/2018
7666	CONCEPT OF CAPACITOR SCALING	PCT/US2018/024983	WO2019/190512	WO		10/3/2019
7667	Crosstalk Cancellation for Digital Predistortion Feedback Loop	PCT/US2018/025009	WO2019/190515	WO		10/3/2019
7668	AUTONOMOUS HANDOVER FOR WIRELESS NETWORKS	PCT/US2018/025244	WO2018/183740	WO		10/4/2018
7669	LOW-NOISE AMPLIFIER SUPPORTING MULTICARRIER OPERATION	PCT/US2018/025314	WO2019/190543	WO		10/3/2019
7670	SELF-EVALUATING HIGH FREQUENCY BANDWIDTH AND DYNAMIC RANGE CELLULAR POLAR TRANSMIT SIGNAL FIDELITY	PCT/US2018/025525	WO2019/190563	WO		10/3/2019
7671	BEAM MANAGEMENT PROCEDURE TRIGGERING AND SIGNALING DELIVERY IN FALL-BACK MODE	PCT/US2018/025622	WO2018/183991	WO		10/4/2018
7672	SYSTEM AND METHOD FOR BEAM MANAGEMENT PROCEDURE CONFIGURATION	PCT/US2018/025629	WO2018/183995	WO		10/4/2018
7673	UE CAPABILITY INDICATION TO POSITIONING SERVER	PCT/US2018/025711	WO2018/187223	WO		10/11/2018
7674	COMMON SEARCH SPACE DESIGN IN ENHANCED PHYSICAL DOWNLINK CONTROL CHANNEL	PCT/US2018/025731	WO2018/184020	WO		10/4/2018
7675	MAXIMUM CHANNEL OCCUPANCY TIME SHARING AND CO-EXISTENCE	PCT/US2018/025745	WO2018/184022	WO		10/4/2018
7676	COMMON PHYSICAL DOWNLINK CONTROL CHANNEL (cPDCCH) DESIGN FOR MULTIFIRE WIDEBAND COVERAGE ENHANCEMENT (WCE) SYSTEMS	PCT/US2018/025750	WO2018/184024	WO		10/4/2018
7677	REG BUNDLING SIZE AND DM-RS PATTERN FOR PHYSICAL DOWNLINK CONTROL CHANNEL	PCT/US2018/025753	WO2018/187242	WO		10/11/2018
7678	BEAM-SPECIFIC POWER CONTROL	PCT/US2018/026213	WO2019/067014	WO		4/4/2019
7679	ANCHOR CHANNEL DESIGN FOR UNLICENSED INTERNET OF THINGS (IoT)	PCT/US2018/027368	WO2018/191538	WO		10/18/2018
7680	MULTIFIRE ARCHITECTURE FOR CELLULAR INTERNET-OF-THINGS (CIOT)	PCT/US2018/027513	WO2018/200218	WO		11/1/2018

SCHEDULE A

No.	TITLE	Filing Number	Publication Number	Jurisdiction	Filing Date	Publication Date
7681	HYBRID AUTOMATIC REPEAT REQUEST (HARQ) FOR GRANT-LESS UPLINK (GUL) AND SCHEDULED UPLINK (SUL) IN LICENSED ASSISTED ACCESS (LAA) SYSTEMS	PCT/US2018/027532	WO2018/191644	WO		10/18/2018
7682	MULTEFIRE ARCHITECTURE SUPPORTING ACCESS CLASSES AND BARRING	PCT/US2018/027536	WO2018/236458	WO		12/27/2018
7683	NETWORK FUNCTION VIRTUALIZATION INFRASTRUCTURE PERFORMANCE	PCT/US2018/028911	WO2018/200397	WO		11/1/2018
7684	PHYSICAL DOWNLINK CONTROL CHANNELS (PDCCH) AND ENHANCED PDCCHS (EPDCCH) IN WIDEBAND COVERAGE ENHANCEMENT (WCE) ARRANGEMENTS	PCT/US2018/029071	WO2018/200472	WO		11/1/2018
7685	CENTRALIZED UNIT AND DISTRIBUTED UNIT CONNECTION IN A VIRTUALIZED RADIO ACCESS NETWORK	PCT/US2018/029200	WO2018/200570	WO		11/1/2018
7686	MANAGEMENT OF GNB IN NETWORK FUNCTIONS VIRTUALIZATION FRAMEWORK	PCT/US2018/029319	WO2018/200648	WO		11/1/2018
7687	ENHANCED NETWORK SLICE MANAGEMENT FOR WIRELESS COMMUNICATIONS	PCT/US2018/029452	WO2018/200733	WO		11/1/2018
7688	TRANSPORT BLOCK DECODING OPERATION FOR HYBRID TRANSMISSION TIME INTERVAL (TTI) LENGTHS IN WIRELESS COMMUNICATION SYSTEMS	PCT/US2018/029878	WO2018/201005	WO		11/1/2018
7689	GAP PATTERN DESIGN FOR NEW RADIO (NR) SYSTEMS	PCT/US2018/030482	WO2018/204383	WO		11/8/2018
7690	ACCESS CONTROL MECHANISM	PCT/US2018/030840	WO2018/204609	WO		11/8/2018
7691	New Radio (NR) Physical Uplink Structures and Schemes	PCT/US2018/030842	WO2018/204610	WO		11/8/2018
7692	MULTEFIRE DESIGN OF RANDOM ACCESS CHANNEL AND RANDOM ACCESS CHANNEL PROCEDURE FOR INTERNET OF THINGS DEVICE OPERATION IN UNLICENSED SPECTRUM	PCT/US2018/030872	WO2018/204629	WO		11/8/2018
7693	RS (Reference Signal) Sequence Generation and Mapping and Precoder Assignment for NR (New Radio)	PCT/US2018/030873	WO2018/204630	WO		11/8/2018
7694	ABSOLUTE POWER CONTROL TOLERANCE FOR NB-IOT/MTC	PCT/US2018/030930	WO2018/204678	WO		11/8/2018
7695	HANDLING COLLISION FOR MINI-SLOT-BASED AND SLOT-BASED TRANSMISSION	PCT/US2018/031001	WO2018/204730	WO		11/8/2018
7696	System and Method for Phase Noise Compensation	PCT/US2018/031045	WO2018/204756	WO		11/8/2018
7697	NEW RADIO CONTROL CHANNEL RESOURCE SET DESIGN	PCT/US2018/031120	WO2018/204806	WO		11/8/2018
7698	METHODS AND ARRANGEMENTS TO SIGNAL FOR AERIAL VEHICLES	PCT/US2018/031135	WO2018/204816	WO		11/8/2018

SCHEDULE A

No.	TITLE	Filing Number	Publication Number	Jurisdiction	Filing Date	Publication Date
7699	QUASI CO-LOCATION (QCL) FOR ANTENNA PORTS IN NEW RADIO (NR)	PCT/US2018/031249	WO2018/204882	WO		11/8/2018
7700	BANDWIDTH PART CONFIGURATION AND OPERATION FOR NEW RADIO (NR) WIDEBAND USER EQUIPMENT (UE)	PCT/US2018/031251	WO2018/204884	WO		11/8/2018
7701	SUPPORT OF FLEXIBLE PDCCH MONITORING IN NEW RADIO (NR)	PCT/US2018/031253	WO2018/204886	WO		11/8/2018
7702	SIGNALING OF A CHANNEL STATE INFORMATION REFERENCE SIGNAL (CSI-RS) MAPPING CONFIGURATION FOR A NEW RADIO (NR) SYSTEM	PCT/US2018/031440	WO2018/204931	WO		11/8/2018
7703	MEASUREMENT CONFIGURATION TECHNIQUES FOR WIDEBAND COVERAGE ENHANCEMENT (WCE)-CAPABLE DEVICES	PCT/US2018/032171	WO2018/209157	WO		11/15/2018
7704	POLAR TRANSMITTER WITH JOINED MODULATOR	PCT/US2018/032301	WO2019/005305	WO		1/3/2019
7705	MEASUREMENT DESIGN FOR NEXT RADIO (NR) AND LONG TERM EVOLUTION (LTE)	PCT/US2018/032338	WO2018/209247	WO		11/15/2018
7706	DOWNLINK CONTROL INFORMATION (DCI) FORMAT FOR GRANT-LESS UPLINK TRANSMISSION (GUL)	PCT/US2018/032777	WO2018/213315	WO		11/22/2018
7707	PER UE NETWORK CONTROLLED SMALL GAP (NCSG) SIGNALLING	PCT/US2018/032898	WO2018/213396	WO		11/22/2018
7708	GRANTLESS UPLINK (GUL) CONFIGURATION	PCT/US2018/033538	WO2018/213802	WO		11/22/2018
7709	EMTC-U MEASUREMENT	PCT/US2018/034171	WO2018/226411	WO		12/13/2018
7710	SYSTEMS METHODS AND DEVICES FOR SELECTING A PUBLIC LAND MOBILE NETWORK USING COVERAGE ENHANCEMENT INDICATORS	PCT/US2018/034644	WO2018/218145	WO		11/29/2018
7711	CHANNEL DESIGN FOR ENHANCED MACHINE TYPE COMMUNICATION IN AN UNLICENSED SPECTRUM (eMTC-U) SYSTEM	PCT/US2018/035213	WO2018/231528	WO		12/20/2018
7712	BEAMFORMED MEASUREMENT FOR NEW RADIO (NR)	PCT/US2018/035484	WO2018/222931	WO		12/6/2018
7713	POWER RAMPING AND CONTROL IN NEW RADIO (NR) DEVICES	PCT/US2018/035656	WO2018/231553	WO		12/20/2018
7714	Performance Measurements Related to Virtualized Resources	PCT/US2018/036397	WO2018/226920	WO		12/13/2018
7715	CONCURRENT TRANSMISSION OF ACKNOWLEDGMENT AND SCHEDULING REQUEST INFORMATION ON A CONTROL CHANNEL	PCT/US2018/036957	WO2018/227208	WO		12/13/2018
7716	SYSTEM AND METHOD FOR PHASE TRACKING REFERENCE SIGNAL (PT-RS) MULTIPLEXING	PCT/US2018/036959	WO2018/227209	WO		12/13/2018
7717	SYSTEMS METHODS AND DEVICES FOR LEGACY SYSTEM FALLBACK IN A CELLULAR COMMUNICATIONS SYSTEM	PCT/US2018/037084	WO2018/231813	WO		12/20/2018
7718	DEVICES AND METHODS FOR UE-SPECIFIC RAN-CN ASSOCIATIONS	PCT/US2018/037108	WO2018/236624	WO		12/27/2018

SCHEDULE A

No.	TITLE	Filing Number	Publication Number	Jurisdiction	Filing Date	Publication Date
7719	SOUNDING REFERENCE SIGNAL SEQUENCE DESIGN	PCT/US2018/037155	WO2018/231867	WO		12/20/2018
7720	Paging and Essential System Information Block (SIB) Transmission in the Unlicensed Internet of Things (U-IOT) System	PCT/US2018/037235	WO2018/231918	WO		12/20/2018
7721	ENHANCEMENT ON SCHEDULING AND HARQ-ACK FEEDBACK FOR URLLC MULTIPLEXING SCHEME FOR CONTROL/DATA CHANNEL AND DM-RS FOR NR AND ACTIVATION MECHANISM SCHEDULING ASPECTS AND SYNCHRONIZATION SIGNAL (SS) BLOCKS FOR NEW RADIO (NR) SYSTEM WITH MULTIPLE BANDWIDTH PARTS (BWPS)	PCT/US2018/037316	WO2018/231971	WO		12/20/2018
7722	CHANNEL STATE INFORMATION CONCATENATION AND ANTENNA PORT MEASUREMENT	PCT/US2018/037351	WO2018/231997	WO		12/20/2018
7723	APPARATUS OF GNB TO ENABLE AN INACTIVE MODE IN DUAL CONNECTIVITY	PCT/US2018/037551	WO2018/232124	WO		12/20/2018
7724	RESOURCE ELEMENT (RE) MAPPING IN NEW RADIO (NR)	PCT/US2018/037709	WO2018/232211	WO		12/20/2018
7725	PHYSICAL RESOURCE BLOCK INDEXING FOR COEXISTENCE OF NARROW BAND CARRIER AGGREGATION AND WIDE BAND USER EQUIPMENT IN NEW RADIO	PCT/US2018/037734	WO2018/232228	WO		12/20/2018
7726	NEW RADIO (NR) FREQUENCY-DOMAIN RESOURCE ALLOCATION TECHNIQUES	PCT/US2018/037820	WO2018/232284	WO		12/20/2018
7727	CONFIGURABILITY AND SIGNALING FOR HALF-TONE SHIFT	PCT/US2018/037936	WO2018/232367	WO		12/20/2018
7728	RESOURCE USAGE OPTIMIZATIONS IN AUTOMATION SYSTEMS	PCT/US2018/038332	WO2019/099063	WO		5/23/2019
7729	DEVICES AND METHODS FOR FLOW-CONTROL TRIGGERING AND FEEDBACK	PCT/US2018/038501	WO2018/237001	WO		12/27/2018
7730	COLLISION HANDLING OF SYNCHRONIZATION SIGNAL (SS) BLOCKS	PCT/US2018/038543	WO2018/237032	WO		12/27/2018
7731	COLLISION HANDLING OF REFERENCE SIGNALS	PCT/US2018/038545	WO2019/005560	WO		1/3/2019
7732	Access Control for User Equipment with Coverage Enhancement Level Support	PCT/US2018/039042	WO2018/237289	WO		12/27/2018
7733	UPLINK CONTROL INFORMATION (UCI) TRANSMISSION AND HYBRID AUTOMATIC REPEAT REQUEST (HARQ) PROCESS IDENTIFICATION FOR GRANT-FREE PHYSICAL UPLINK SHARED CHANNEL (PUSCH)	PCT/US2018/039692	WO2019/005920	WO		1/3/2019
7734	DYNAMIC LOW IF MECHANISM FOR BLOCKER AVOIDANCE	PCT/US2018/039711		WO		
7735	IMPROVED HANDLING OF TIMER EXPIRY FOR MT CSFB	PCT/US2018/039800	WO2019/005996	WO		1/3/2019

SCHEDULE A

No.	TITLE	Filing Number	Publication Number	Jurisdiction	Filing Date	Publication Date
7736	CONTROL CHANNEL DESIGN FOR WIDEBAND COVERAGE ENHANCEMENT (WCE) SYSTEM INFORMATION BLOCK (SIB) TRANSMISSION	PCT/US2018/040110	WO2019/006180	WO		1/3/2019
7737	RELEASE OF EMERGENCY PDN BEARER FOR A VOLTE EMERGENCY CALL WITHOUT EMERGENCY REGISTRATION	PCT/US2018/041119	WO2019/078934	WO		4/25/2019
7738	CONFIGURATION OF GRANT-LESS UPLINK TRANSMISSIONS FOR A USER EQUIPMENT	PCT/US2018/041900	WO2019/014498	WO		1/17/2019
7739	TIMING ADVANCE FOR GRANTLESS UPLINK TRANSMISSION	PCT/US2018/042170	WO2019/014642	WO		1/17/2019
7740	CONFIGURE MEASUREMENT GAPS FOR CSI-RS FROM NEIGHBOR CELLS IN NR	PCT/US2018/042479	WO2019/036138	WO		2/21/2019
7741	MULTIRADIO INTERFACE FOR SOFTWARE RECONFIGURATION	PCT/US2018/042520	WO2019/018418	WO		1/24/2019
7742	DATA FORWARDING TUNNEL ESTABLISHMENT BETWEEN TWO USER PLANE FUNCTIONS IN FIFTH GENERATION	PCT/US2018/043551	WO2019/027742	WO		2/7/2019
7743	DEMODULATION REFERENCE SIGNAL FOR PHYSICAL BROADCAST CHANNEL IN NEW RADIO	PCT/US2018/043823	WO2019/023419	WO		1/31/2019
7744	SCRAMBLING OF PHYSICAL BROADCAST CHANNEL (PBCH)	PCT/US2018/043831	WO2019/023423	WO		1/31/2019
7745	Techniques Related to Interface Between Next Generation NODEB Central Unit and Next Generation NODEB Distributed Unit	PCT/US2018/044063	WO2019/027827	WO		2/7/2019
7746	SEQUENCE DESIGN AND RESOURCE ALLOCATION FOR NR PUCCH	PCT/US2018/044563	WO2019/027995	WO		2/7/2019
7747	TIME ADVANCE ADJUSTMENT DELAY FOR SHORTENED TRANSMISSION TIME INTERVAL UNDER CARRIER AGGREGATION OR DUAL CONNECTIVITY	PCT/US2018/044753	WO2019/032343	WO		2/14/2019
7748	NEW QUALITY BASED MEASUREMENT DEFINITION FOR NEW RADIO SYSTEMS	PCT/US2018/045544	WO2019/032539	WO		2/14/2019
7749	UNLICENSED NARROWBAND INTERNET OF THINGS CONTROL CHANNEL COMMUNICATION	PCT/US2018/045728	WO2019/032653	WO		2/14/2019
7750	PRACH (Physical Random Access Channel) Ramping and Dynamic Beam Switching of Control and Data Transmissions	PCT/US2018/045800	WO2019/032696	WO		2/14/2019
7751	SYSTEM AND METHOD FOR MULTIPLEXING OF TRACKING REFERENCE SIGNAL AND SYNCHRONIZATION SIGNAL BLOCK	PCT/US2018/045862	WO2019/032737	WO		2/14/2019
7752	TECHNIQUES TO PERFORM A RANDOM-ACCESS CHANNEL PROCEDURE FOR HANDOVERS IN A WIRELESS COMMUNICATION ENVIRONMENT	PCT/US2018/045880	WO2019/032754	WO		2/14/2019

SCHEDULE A

No.	TITLE	Filing Number	Publication Number	Jurisdiction	Filing Date	Publication Date
7753	MOBILE COMMUNICATION SYSTEM MOBILE DEVICE USER EQUIPMENT NETWORK NODE NODEB CIRCUITS APPARATUSES METHODS MACHINE READABLE MEDIA AND COMPUTER PROGRAMS FOR MOBILE DEVICES USER EQUIPMENT NETWORK NODES AND NODEBS	PCT/US2018/045925	WO2019/032779	WO		2/14/2019
7754	RESOURCE MAPPING SCHEMES FOR CHANNEL STATE INFORMATION REPORTING ON NEW RADIO PHYSICAL UPLINK CONTROL CHANNEL	PCT/US2018/045962	WO2019/032802	WO		2/14/2019
7755	DETERMINING AND COMMUNICATING CONTROL INFORMATION IN WIRELESS TELECOMMUNICATION NETWORKS	PCT/US2018/045999	WO2019/032821	WO		2/14/2019
7756	UPLINK TRANSMISSION IN TDD SUPPORTING feNB-IOT OPERATION	PCT/US2018/046018	WO2019/032833	WO		2/14/2019
7757	PREEMPTION INDICATIONS FOR NEW RADIO	PCT/US2018/046038	WO2019/032844	WO		2/14/2019
7758	CONTROL SIGNALING FOR SOUNDING REFERENCE SIGNAL (SRB)	PCT/US2018/046053	WO2019/032855	WO		2/14/2019
7759	DOWNLINK TRANSMISSION IN TDD SUPPORTING feNB-IoTs	PCT/US2018/046241	WO2019/032978	WO		2/14/2019
7760	FRAME STRUCTURE FOR UNLICENSED NARROWBAND INTERNET-OF-THINGS SYSTEM	PCT/US2018/046250	WO2019/032983	WO		2/14/2019
7761	CRITICAL DATA HANDLING FOR VIDEO AND OTHER APPLICATIONS	PCT/US2018/046340	WO2019/033049	WO		2/14/2019
7762	METHODS AND ARRANGEMENTS FOR MEASUREMENT GAP CONFIGURATION	PCT/US2018/046351	WO2019/033058	WO		2/14/2019
7763	Wake Up Signaling in Wireless Telecommunication Networks	PCT/US2018/046535	WO2019/033112	WO		2/14/2019
7764	MANAGING LINK QUALITY AND USING PARTIAL SUBFRAMES IN WIRELESS TELECOMMUNICATION NETWORKS	PCT/US2018/046549	WO2019/033118	WO		2/14/2019
7765	Apparatuses Methods and Computer Programs for a Base Station Transceiver a User Equipment and an Entity of a Mobile Communication System	PCT/US2018/046593	WO2019/046005	WO		3/7/2019
7766	NEW RADIO (NR) UNLICENSED PHYSICAL UPLINK CONTROL CHANNEL WITH INTERLACED STRUCTURE	PCT/US2018/046914	WO2019/036622	WO		2/21/2019
7767	RESOURCE ALLOCATION FOR SYSTEM INFORMATION BLOCK (SIB) TRANSMISSION IN A MULTIFIRE SYSTEM	PCT/US2018/048180	WO2019/050706	WO		3/14/2019
7768	COMMUNICATION DEVICE AND METHOD FOR RADIO FREQUENCY COMMUNICATION	PCT/US2018/048209	WO2019/067135	WO		4/4/2019
7769	PHASE TRACKING REFERENCE SIGNAL (PT-RS) CONFIGURATION	PCT/US2018/049745	WO2019/051085	WO		3/14/2019
7770	PHYSICAL RANDOM ACCESS CHANNEL (PRACH) FORMAT CONFIGURATION	PCT/US2018/050200	WO2019/051373	WO		3/14/2019
7771	GNSS DEVICE WITH IMPROVED CROSS- CORRELATION IMMUNITY	PCT/US2018/054818	WO2019/103795	WO		5/31/2019

SCHEDULE A

No.	TITLE	Filing Number	Publication Number	Jurisdiction	Filing Date	Publication Date
7772	COMMUNICATION DEVICE AND METHOD FOR DETERMINING A FREQUENCY OFFSET	PCT/US2018/061161	WO2019/133151	WO		7/4/2019
7773	METHODS AND DEVICES FOR RADIO RESOURCE ALLOCATION	PCT/US2019/019472	WO2019/190672	WO		10/3/2019
7774	SIGNAL IMBALANCE DETECTION SYSTEMS AND METHODS	PCT/US2019/044423		WO		
7775	COMMUNICATION DEVICE AND METHOD FOR PROCESSING A RECEIVED SIGNAL	PCT/US2019/047122		WO		
7776	Downlink Control Channel Design in New Radio Systems	PCT/US2019/047851		WO		
7777	CSI-RS SEQUENCE GENERATION AND MAPPING AND DMRS SCRAMBLING ID CONFIGURATION			WO		
7778	SLICING ARCHITECTURE FOR WIRELESS COMMUNICATION			WO		