

<b>PATENT ASSIGNMENT COVER SHEET</b>
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Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT5204806

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
MEDIATEK INC.	06/30/2018
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	HFI INNOVATION INC.
<b>Street Address:</b>	3F. -7, NO.5, TAIYUAN 1ST ST.
<b>Internal Address:</b>	ZHUBEI CITY
<b>City:</b>	HSINCHU COUNTY
<b>State/Country:</b>	TAIWAN
<b>Postal Code:</b>	302
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	16170033
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(925)835-5804
<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.</i>	
<b>Phone:</b>	408 896 6196
<b>Email:</b>	zheng@imperiumpw.com
<b>Correspondent Name:</b>	LAW OFFICE OF ZHENG JIN
<b>Address Line 1:</b>	P.O.BOX 731450
<b>Address Line 4:</b>	SAN JOSE, CALIFORNIA 95173
<b>ATTORNEY DOCKET NUMBER:</b>	MDT-251-1S-1C
<b>NAME OF SUBMITTER:</b>	ZHENG JIN
<b>SIGNATURE:</b>	/zheng jin/
<b>DATE SIGNED:</b>	10/25/2018
<b>Total Attachments: 53</b>	
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PATENT ASSIGNMENT AGREEMENT

This Patent Assignment Agreement ("Agreement") is made as of June 30th, 2018 (the "Effective Date") by MediaTek Inc., a Taiwanese corporation having a place of business at No. 1 Dusing 1 Rd., Hsinchu Science Park, Hsinchu, Taiwan ("Assignor"), to HFI Innovation Inc., a Taiwanese corporation having a place of business at 3F.-7, No.5, Taiyuan 1st St., Zhubei City, Hsinchu County 302, Taiwan (R.O.C.) ("Assignee").

WHEREAS Assignor owns the patent(s) ("Patents") and patent applications ("Patent Applications") set forth in Exhibit A hereto; and

WHEREAS Assignee desires to acquire Assignor's entire right, title and interest in and to the Patents, Patent Applications, and the Future Patents (as hereinafter defined);

NOW, THEREFORE, in consideration of mutual covenants and agreements set forth below, and for other good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, the parties hereto agree as follows:

1. **ASSIGNMENT OF PATENTS AND PATENT APPLICATIONS.** Assignor hereby irrevocably and unconditionally grants, conveys, transfers, and assigns to Assignee all of Assignor's right, title and interest in and to the Patents, the Patent Applications, the inventions disclosed therein, and all future patents that may issue from Patent Applications throughout the world, and all foreign counterparts, divisionals, continuations in whole or in part, reexaminations, reissues, substitutions or extensions of any of the preceding (collectively "*Future Patents*"), and the right to claim priority to any of the preceding, the same to be held by Assignee for Assignee's own use and enjoyment, and for the use and enjoyment of Assignee's successors, assigns and other legal representatives, together with all claims for injunctive relief and damages by reason of past, present and future infringements of the Patents and Future Patents and the *sole* right to sue for and collect such damages or seek such injunctive relief, as permitted under the applicable laws for any jurisdiction or country in which such claims may be asserted. *With respect to the sole right to sue assigned and transferred to Assignee, Assignor hereby expressly disclaims any and all rights to sue or otherwise enforce such Patents.*

2. **PAYMENT.** As consideration for the assignment under this Agreement, Assignee  
[REDACTED]  
[REDACTED]  
[REDACTED]  
[REDACTED]  
[REDACTED]  
[REDACTED]  
[REDACTED]  
[REDACTED]  
[REDACTED]  
[REDACTED]

[REDACTED]

[REDACTED]

The applicable foreign exchange rate shall be based on the daily closing FX rate for NTD-USD as published by TAIPEI FOREIGN EXCHANGE MARKET DEVELOPMENT FOUNDATION (<http://www.tpefx.com.tw>).

[REDACTED]

[REDACTED]

[REDACTED]

3. **ISSUANCE OF FUTURE PATENTS.** Assignor hereby authorizes and requests the Commissioner of Patents and Trademarks Offices of the United States, and any officer of any country or countries foreign to the United States, whose duty it is to issue patents or other evidence or forms of intellectual property protection or applications as aforesaid, to issue the Future Patents to Assignee and its successors, assigns and other legal representatives in accordance with the terms of this instrument.

4. **ASSISTANCE.** Assignor agrees to perform, without charge to Assignee (except as otherwise permitted herein), all acts deemed necessary or desirable by Assignee to permit and assist Assignee in perfecting and procuring the full benefits, enjoyment, rights, title and interest throughout the world in all Patents, Patent Applications and Future Patents, and the intellectual property rights therein assigned to Assignee hereunder. Such acts may include execution of documents, including any and all powers of attorney, applications, assignments, declarations, affidavits, and any other papers in connection therewith, assistance and cooperation in the registration of applicable intellectual property rights. All annuities, maintenance fees and the like due on the Patents, Patent Applications shall be timely paid up by Assignor until the Effective Date of the Agreement. Assignee will bear all future costs of maintaining, prosecuting, and enforcing the Patents, Patent Applications and the Future Patents after the Effective Date of the Agreement. Assignee agrees to assume responsibility for

maintenance and prosecution of all the Patents and Patent Applications as of the Effective Date of the Agreement.

5. **POWER OF ATTORNEY.** If Assignee is unable, for any reason, to obtain the assistance of Assignor as set forth in Section 4 above, Assignor hereby designates and appoints Assignee as Assignor's agent and attorney-in-fact, with full power of substitution in Assignor's name and stead, to act for and on behalf of Assignor to take any and all steps, including proceedings at law, in equity or otherwise, to execute, acknowledge, verify, file and deliver any and all instruments and assurances and to perform all other lawfully permitted acts necessary or expedient in order to vest or perfect the aforesaid rights and causes of action more effectively in Assignee or to protect the same or to enforce any claim or right of any kind with respect thereto with the same legal force and effect as if executed by Assignor. Assignor hereby declares that the foregoing power is coupled with an interest and as such is irrevocable.

6. **DELIVERY.** Upon execution of this Agreement, Assignor shall deliver to Assignee, for each Patent, Patent Application and Future Patent, copies of (i) the prosecution files and all additional documents and materials relating to prosecution and, if applicable, maintenance and (ii) all documents and materials relating to the inventions disclosed therein (including laboratory notebooks and invention disclosure forms).

7. **REPRESENTATIONS AND WARRANTIES.** [REDACTED]

8. **GENERAL.**

A. **Notice.** Any notice, approval, authorization, consent, or other communication required or permitted to be delivered to either party under this Agreement must be in writing and will be deemed properly delivered, given, and received (i) when delivered by hand, or (ii) two (2) business days after delivered by courier or express delivery service to the address set forth beneath the name of such party below (or to such other address as such party may have specified in a written notice to the other party):

If to Assignor, to:

[REDACTED]

If to Assignee,

[REDACTED]

B. Governing Law. This Agreement will be construed in accordance with and governed in all respects by the laws of the Republic of China, without giving effect to principles of conflicts of law.

C. Remedies. The rights and remedies of the parties will be cumulative (and not alternative). If any legal action is brought to enforce this Agreement, the prevailing party will be entitled to receive its attorneys' fees, court costs, and other collection expenses, in addition to any other relief it may receive.

D. Waiver. All waivers must be in writing and signed by an authorized representative of the party to be charged. Any waiver or failure to enforce any provision of this Agreement on one occasion will not be deemed a waiver of any other provision or of such provision on any other occasion.

E. Severability. If any provision of this Agreement is unenforceable, such provision will be changed and interpreted to accomplish the objectives of such provision to the greatest extent possible under applicable law and the remaining provisions will continue in full force and effect.

F. Independent Contractors. This Agreement is not intended to establish any partnership, joint venture, employment, or other relationship between the parties except that of independent contractors.

G. Construction. The section headings in this Agreement are for convenience of reference only, will not be deemed to be a part of this Agreement, and will not be referred to in connection with the construction or interpretation of this Agreement. Any rule of construction to the effect that ambiguities are to be resolved against the drafting party will not be applied in the construction or interpretation of this Agreement. As used in this Agreement, the words "include" and "including," and variations thereof, will not be deemed to be terms of limitation, but rather will be deemed to be followed by the words "without limitation." All references in this Agreement to "Sections" are intended to refer to Sections of this Agreement.

H. Counterparts. This Agreement may be executed in several counterparts, each of which will constitute an original and all of which, when taken together, will constitute one agreement.

I. Entire Agreement. This Agreement, including the Exhibit A, sets forth the entire understanding of the parties relating to the subject matter hereof and supersedes all prior agreements and understandings between the parties relating to the subject matter hereof. This Agreement may not be amended, modified, altered, or supplemented other than by means of a written instrument duly executed and delivered on behalf of both parties.

IN WITNESS WHEREOF, the parties have executed this Agreement on the date first above written.

Assignor:

MediaTek Inc.

By: 

Name: WenTang Su

Title: Vice President and General Counsel

Assignee:

HFI Innovation Inc.

By: 

Name: Hsieh Ching-Chiang

Title: Director

*Confidential*  
MTKC-2018-0745

EXHIBIT A

PATENTS AND PATENT APPLICATIONS

(PLEASE SEE ATTACHED)



## Exhibit A

United States of America - 247					
No.	MTK Number	App. No.	Patent No.	Filed Date	App Title
1	HKLU-14-002US	10/643,841	US7257167B2	2003-08-19	SYSTEM AND METHOD FOR MULTI-ACCESS MIMO CHANNELS WITH FEEDBACK CAPACITY CONSTRAINT
2	MTK1-08-237US	12/267,825	US8258601B2	2008-10-15	INTERFERENCE MEASUREMENT MECHANISM FOR FREQUENCY REUSE IN CELLULAR OFDMA SYSTEMS
3	MTK1-08-237US-1	12/267,980	US8351949B2	2008-10-15	CONFIGURING RADIO RESOURCE ALLOCATION AND SCHEDULING MOBILE STATION MECHANISM FOR FREQUENCY REUSE IN CELLULAR OFDMA SYSTEMS
4	MTK1-08-291US	12/387,360	US8369241B2	2009-04-30	FAST FEEDBACK CONTENTION-BASED RANGING PROCEDURE IN WIRELESS COMMUNICATIONS SYSTEMS
5	MTK1-08-318US	12/380,536	US9203562B2	2009-02-28	COOPERATING TIMER AND RETRANSMISSION COUNTER FOR BUFFER MANAGEMENT IN A HARQ WIRELESS NETWORK
6	MTK1-09-027US	12/387,833	US8498249B2	2009-05-04	METHOD OF NETWORK ENTRY IN OFDM MULTI-CARRIER WIRELESS COMMUNICATIONS SYSTEMS
7	MTK1-09-027US-1	13/916,667	US9230103B2	2013-06-12	Method of Network Entry in OFDMA Multi-Carrier Wireless Communications Systems
8	MTK1-09-064US	12/456,006	US8678208B2	2009-06-08	METHOD AND APPARATUS FOR PERFORMING SCANNING AND HANDOVER IN A MULTI-BAND OFDMA COMMUNICATIONS SYSTEM
9	MTK1-09-072US	12/498,810	US8283694B2	2009-07-07	METHODS FOR SCANNING NEIGHBOR BASE STATIONS AND COMMUNICATION APPARATUSES UTILIZING THE SAME
10	MTK1-09-081US	12/498,531	US8685695B2	2009-07-07	METHODS FOR TRANSCIVING DATA IN MULTI-BAND ORTHOGONAL FREQUENCY DIVISION MULTIPLE ACCESS COMMUNICATIONS SYSTEM AND COMMUNICATIONS APPARATUSES UTILIZING THE SAME
11	MTK1-09-086US	12/855,522	US8468398B2	2009-12-30	CHANNEL INTERLEAVER HAVING A CONSTELLATION-BASED BLOCK-WISE PERMUTATION MODULE
12	MTK1-09-086US-1	12/855,521	US8788735B2	2009-12-30	CHANNEL INTERLEAVER HAVING A CONSTELLATION-BASED UNIT-WISE PERMUTATION MODULE
13	MTK1-09-087US	12/459,711	US9237523B2	2009-07-06	METHOD OF ESTABLISHING SLEEP MODE OPERATION FOR BROADBAND WIRELESS COMMUNICATIONS SYSTEMS
14	MTK1-09-093US	12/459,720	US8891360B2	2009-07-06	METHOD AND APPARATUS OF DATA TRANSMISSION OVER GUARD SUB-CARRIERS IN MULTI-CARRIER OFDM SYSTEMS
15	MTK1-09-093US-1	14/515,752		2009-07-06	Method and Apparatus of Data Transmission over Guard Sub-Carriers in Multi-Carrier OFDM Systems
16	MTK1-09-126US	12/584,386	US8515481B2	2009-09-03	POWER MANAGEMENT FOR MULTI-CARRIER TRANSMISSION
17	MTK1-09-126US-1	12/824,196	US9499152B2	2010-09-21	POWER MANAGEMENT FOR MULTI-CARRIER TRANSMISSION
18	MTK1-09-126US-3	13/935,781	US9357508B2	2013-07-05	Power Management for Multi-Carrier Transmission

19	MTKI-09-144US	12/585,374	US8988085B2	2009-10-30	DOWNLINK NETWORK SYNCHRONIZATION MECHANISM FOR FEMTOCELL IN CELLULAR OFDM SYSTEMS
20	MTKI-09-152US	12/655,523	US8503420B2	2009-12-30	PHYSICAL STRUCTURE AND DESIGN OF SOUNDING CHANNEL IN OFDMA SYSTEMS
21	MTKI-09-165US	12/653,350	US8345623B2	2009-12-11	UNIFIED SYNCHRONOUS RANGING CHANNEL DESIGN AND ALLOCATION IN WIRELESS OFDMA SYSTEMS
22	MTKI-09-178US	12/653,336	US8345659B2	2009-12-11	UNIFIED SYNCHRONOUS RANGING CHANNEL STRUCTURE AND RANGING CODE GENERATION AND DETECTION IN WIRELESS OFDMA SYSTEMS
23	MTKI-10-018US	12/660,441	US8804631B2	2010-02-26	METHOD AND APPARATUS FOR COMMUNICATING CARRIER CONFIGURATION IN MULTI-CARRIER OFDM SYSTEMS
24	MTKI-10-018US-1	14/324,238	US9184901B2	2014-07-07	Method and Apparatus for Communicating Carrier Configuration in Multi-Carrier OFDM Systems
25	MTKI-10-060US	12/766,330	US8744014B2	2010-04-23	METHOD AND APPARATUS FOR COORDINATED MIMO SIGNAL TRANSMISSION AMONG MULTIPLE CELLS IN WIRELESS OFDM SYSTEMS
26	MTKI-10-084US	12/924,676	US8588205B2	2010-09-30	UPLINK POWER CONTROL MESSAGE INDEXING IN WIRELESS OFDMA SYSTEMS
27	MTKI-10-085US	12/924,650	US8520542B2	2010-09-30	Uplink power control message design in wireless OFDMA systems
28	MTKI-10-176US	12/824,832	US8926413B2	2010-10-01	CONCATENATING PRECODER SELECTION FOR OFDMA-BASED MULTI-SS MIMO
29	MTKI-10-223US	12/830,238		2010-12-29	Measurement and carrier group based optimization in wireless OFDM multi-carrier communication systems
30	MTKI-11-024US-1	15/082,144		2011-03-11	Method of Multi-Radio Interworking in Heterogeneous Wireless Communication Networks
31	MTKI-11-045US-1	14/168,359	US8916632B2	2014-01-30	Method for Carrier Aggregation
32	MTKI-11-091US	13/184,324	US8923126B2	2011-06-20	METHOD FOR COORDINATING TRANSMISSIONS BETWEEN DIFFERENT COMMUNICATIONS APPARATUSES AND COMMUNICATIONS APPARATUSES UTILIZING THE SAME
33	MTKI-11-091US-1	14/514,571	US9019931B2	2014-10-15	METHOD FOR COORDINATING TRANSMISSIONS BETWEEN DIFFERENT COMMUNICATIONS APPARATUSES AND COMMUNICATION APPARATUSES UTILIZING THE SAME
34	MTKI-11-091US-2	14/514,598	US9252931B2	2014-10-15	METHOD FOR COORDINATING TRANSMISSIONS BETWEEN DIFFERENT COMMUNICATIONS APPARATUSES AND COMMUNICATION APPARATUSES UTILIZING THE SAME
35	MTKI-11-091US-3	14/514,715	US9368245B2	2014-10-15	METHOD FOR COORDINATING TRANSMISSIONS BETWEEN DIFFERENT COMMUNICATIONS APPARATUSES AND COMMUNICATION APPARATUSES UTILIZING THE SAME
36	MTKI-11-093US	13/134,862	US8660107B2	2011-06-20	UPLINK HARQ FEEDBACK CHANNEL DESIGN FOR CARRIER AGGREGATION IN OFDMA SYSTEM

37	MTKI-11-083US-1	13/134,857	US8737298B2	2011-06-20	RESOURCE ALLOCATION OF UPLINK HARQ FEEDBACK CHANNEL FOR CARRIER AGGREGATION IN OFDMA SYSTEMS
38	MTKI-11-095US	13/134,811	US8837394B2	2011-06-17	Sounding mechanism under carrier aggregation
39	MTKI-11-095US-1	14/467,046	US9124395B2	2014-08-26	Sounding mechanism under carrier aggregation
40	MTKI-11-100US	13/134,876	US8780826	2011-06-20	SYSTEM AND METHOD FOR COORDINATING MULTIPLE RADIO TRANSCEIVERS WITHIN THE SAME DEVICE PLATFORM
41	MTKI-11-100US-1	14/200,398	US9232443B2	2014-03-07	System and method for coordinating multiple radio transceivers within the same device platform
42	MTKI-11-102US	13/134,708	US8696770B2	2011-06-14	Methods to support MBMS service continuity and counting and localized MBMS service
43	MTKI-11-104US	13/134,735	US8185882B2	2011-06-14	METHODS TO SUPPORT CONTINUOUS MBMS RECEPTION WITHOUT NETWORK ASSISTANCE
44	MTKI-11-105US	13/373,071	US8955053B2	2011-11-02	SOUNDING MECHANISM AND CONFIGURATION UNDER CARRIER AGGREGATION
45	MTKI-11-105US-1	14/460,430	US9270433B2	2014-08-04	Sounding Mechanism and Configuration under Carrier Aggregation
46	MTKI-11-129US	13/135,844	US8842546B2	2011-07-16	METHOD FOR WIRELESS COMMUNICATION IN A DEVICE WITH CO-EXISTENCE RADIO
47	MTKI-11-129US-1	14/474,224	US9220046B2	2014-09-01	Methods for wireless communication in a device with co-existence radio
48	MTKI-11-129US-2	14/853,753	US9492528B2	2015-11-30	Methods for wireless communication in a device with co-existence radio
49	MTKI-11-150US	13/135,861	US9246603B2	2011-08-11	Method of In-Device Interference Mitigation for Cellular, Bluetooth, WiFi and Satellite Systems Coexistence
50	MTKI-11-150US-1	14/967,565	US9467236B2	2015-12-14	Method of In-Device Interference Mitigation for Cellular, Bluetooth, WiFi and Satellite Systems Coexistence
51	MTKI-11-152US	13/135,862	US8737924B2	2011-08-11	Method to Trigger In-Device Coexistence Interference Mitigation in Mobile Cellular Systems
52	MTKI-11-152US-1	14/283,166	US9366707B2	2014-04-28	Method to Trigger In-Device Coexistence Interference Mitigation in Mobile Cellular Systems
53	MTKI-11-179US	13/200,789	US8730826B2	2011-08-29	Indication of User Equipment Transmit Power Capacity in Carrier Aggregation
54	MTKI-11-179US-1	14/257,226	US9357421B2	2014-04-21	Indication of User Equipment Transmit Power Capacity in Carrier Aggregation
55	MTKI-11-186US	13/373,067		2011-11-02	METHOD OF MDT INFORMATION LOGGING AND REPORTING
56	MTKI-11-197US	13/373,070	US8724497B2	2011-11-02	METHOD OF UPLINK MDT MEASUREMENT
57	MTKI-11-197US-1	14/251,910	US9201166B2	2014-04-14	Method of Correlating QoS and Power Information
58	MTKI-11-197US-2	14/251,936	9,713,025	2011-11-02	Method of Correlating Measurement Result
59	MTKI-11-216US	13/373,219	US9072110B2	2011-11-07	Method for UE pattern indication and measurement for interference coordination
60	MTKI-11-216US-1	14/753,899		2011-11-07	Method of UE pattern indication and Measurement for Interference Coordination
61	MTKI-11-216US-2	14/753,751		2011-11-07	Method of UE pattern indication and Measurement for Interference Coordination
62	MTKI-11-216US-3				Method of UE pattern indication and Measurement for Interference Coordination

63	MTKI-11-221U5	13/346,838	US8830856B2	2012-01-10	METHOD FOR DETERMINING AN INSTANCE FOR PERFORMING A CHANNEL STATE INFORMATION MEASUREMENT AND COMMUNICATIONS APPARATUSES UTILIZING THE SAME
64	MTKI-11-221U5-1	14/339,841	US9487655B2	2014-07-24	METHOD FOR DETERMINING AN INSTANCE FOR PERFORMING A CHANNEL STATE INFORMATION MEASUREMENT AND COMMUNICATIONS APPARATUSES UTILIZING THE SAME
65	MTKI-11-225U5-1	14/512,584		2014-10-13	METHODS FOR CONFIGURING CHANNEL STATE INFORMATION MEASUREMENT IN A COMMUNICATIONS SYSTEM AND COMMUNICATIONS APPARATUS UTILIZING THE SAME
66	MTKI-11-278U5	13/344,589	US8934382B2	2012-01-05	Power Control Method to Mitigate Interference for In-Device Coexistence
67	MTKI-11-278U5-1	14/584,493	US9220072B2	2014-12-29	Power Control Method to Mitigate Interference for In-Device Coexistence
68	MTKI-11-279U5	13/346,083	US8750807B2	2012-01-09	MEASUREMENT GAP CONFIGURATION IN WIRELESS COMMUNICATION SYSTEMS WITH CARRIER AGGREGATION
69	MTKI-11-280U5	13/370,498	US8854988B2	2012-02-10	METHOD OF UE RSRQ MEASUREMENT PRECAUTION FOR INTERFERENCE COORDINATION
70	MTKI-11-280U5-1	14/478,602	US9203574B2	2014-09-08	Method of UE RSRQ Measurement Precaution for Interference Coordination
71	MTKI-11-281U5-1	14/614,931		2012-02-09	Method for Centralizing MDT User Involvement
72	MTKI-12-004U5	13/396,562	US8817647B2	2012-02-14	Priority Rules of Periodic CSI Reporting in Carrier Aggregation
73	MTKI-12-004U5-1	14/450,450	US9247567B2	2014-08-04	Priority Rules of Periodic CSI Reporting in Carrier Aggregation
74	MTKI-12-021U5-1	13/688,124	US9661510B2	2012-11-28	FAILURE EVENT REPORT EXTENSION FOR INTER-RAT RADIO LINK FAILURE
75	MTKI-12-021U5-2	13/781,395	US9167447B2	2013-02-28	Failure event report for initial connection setup failure
76	MTKI-12-021U5-3	15/482,940		2012-11-28	Failure Event Report Extension for Inter-RAT Radio Link Failure
77	MTKI-12-050U5	13/435,504	US9467958B2	2012-03-30	METHODS OF MAINTAINING MULTIPLE TIMING ADVANCE
78	MTKI-12-051U5	13/435,639	US9068924B2	2012-03-30	SIGNALING DESIGN TO SUPPORT IN-DEVICE COEXISTENCE INTERFERENCE AVOIDANCE
79	MTKI-12-051U5-1	14/753,840		2012-03-30	Signaling Design to Support In-Device Coexistence Interference Avoidance
80	MTKI-12-079U5	13/460,879	US9042315B2	2012-04-30	CELL RADIO LINK MONITORING AND RADIO LINK FAILURE HANDLING
81	MTKI-12-079U5-1	14/720,932	US9344234B2	2015-05-25	Cell Radio Link Monitoring and Radio Link Failure Handling
82	MTKI-12-098U5	13/463,113	US8873489B2	2012-05-03	SIGNALING METHODS FOR UE-SPECIFIC DYNAMIC DOWNLINK SCHEDULER IN OFDMA SYSTEMS
83	MTKI-12-118U5	13/527,286	US9137804B2	2012-06-19	SYSTEMS AND METHODS FOR DIFFERENT TDD CONFIGURATIONS IN CARRIER AGGREGATION
84	MTKI-12-118U5-1	14/627,419		2012-06-19	Systems and methods for different TDD configurations in carrier aggregations
85	MTKI-12-150U5-1	14/808,189		2012-08-08	Method of Heterogeneous Network Mobility
86	MTKI-12-151U5	13/571,342	US9204354B2	2012-08-09	METHOD FOR SMALL CELL DISCOVERY IN HETEROGENEOUS NETWORK

87	MTKI-12-174US	13/540,995	US8837369B2	2012-07-03	SYSTEM AND METHOD FOR INDICATING LOCAL IP ACCESS SUPPORT VIA NAS SIGNALING
88	MTKI-12-174US-1	14/456,134	US9210636B2	2014-08-11	System and Method for Indicating Local IP Access Support Via NAS Signaling
89	MTKI-12-178US	13/585,810	US89938233B2	2012-08-14	ENHANCED ACCESS CONTROL IN LTE ADVANCED SYSTEMS
90	MTKI-12-178US-1	14/584,330	US9155105B2	2014-12-29	Enhanced Access Control in LTE Advanced
91	MTKI-12-190US	13/570,717	US8861430B2	2012-08-09	METHODS OF POINT ASSOCIATION FOR COOPERATIVE MULTIPLE POINT TRANSMISSION
92	MTKI-12-213US	13/629,988	US9060343B2	2012-09-28	SUPPORT OF NETWORK BASED POSITIONING BY SOUNDING REFERENCE SIGNAL
93	MTKI-12-213US-1	14/713,158	US9252934B2	2015-05-15	Support of Network based Positioning by Sounding Reference Signal
94	MTKI-12-226US	13/633,463	US8903420B2	2012-10-02	LOCATION FOR MINIMIZATION OF DRIVE TEST IN LTE SYSTEMS
95	MTKI-12-227US	13/633,432	US9161263B2	2012-10-02	QoS VERIFICATION AND THROUGHPUT MEASUREMENT FOR MINIMIZATION OF DRIVE TEST
96	MTKI-12-227US-1	14/858,804		2012-10-02	QoS Verification and Throughput Measurement for Minimization of Drive Test
97	MTKI-12-227US-2	14/859,824	US89374729B2	2015-09-21	QoS Verification and Throughput Measurement for Minimization of Drive Test
98	MTKI-12-236US	13/670,394	US9272851B2	2012-11-06	MINIMIZATION OF DRIVE TESTS FOR UPLINK LINK COVERAGE
99	MTKI-12-243US	13/644,065	US9137841B2	2012-10-03	ENHANCEMENT FOR SCHEDULING REQUEST TRIGGERING BASED ON TRAFFIC CONDITION
100	MTKI-12-244US	13/659,086	US8916524B2	2012-10-24	TRANSMITTER ASSISTED QUALITY OF SERVICE MEASUREMENT
101	MTKI-12-245US	13/644,077	US9137842B2	2012-10-03	METHODS OF UE PROVIDING SPEED INFORMATION TO NETWORK
102	MTKI-12-247US	13/644,048	US9144015B2	2012-10-03	METHODS FOR UE INDICATING TRAFFIC-RELATED INFORMATION TO NETWORK
103	MTKI-12-247US-1	14/833,231	US9629083B2	2015-08-24	Methods for UE Indication Traffic-Related Information to Network
104	MTKI-12-311US	13/744,645	US8908687B2	2013-01-18	LOCATION OPTION CONTROL FOR MINIMIZATION OF DRIVE TEST IN LTE SYSTEMS
105	MTKI-12-311US-1	14/844,466	US9374665B2	2015-03-11	Location Option Control for Minimization of Drive Test in LTE Systems
106	MTKI-12-312US	13/743,612	US9048698B2	2013-01-17	METHOD OF ENHANCED CONNECTION RECOVERY AND CELL SELECTION
107	MTKI-12-312US-1	13/743,644	US9055560B2	2013-01-17	METHOD OF ENHANCED CONNECTION RECOVERY AND LOSS-LESS DATA RECOVERY
108	MTKI-12-312US-2	14/706,967	US9861678B2	2015-05-08	Method of Enhanced Connection Recovery and Cell Selection
109	MTKI-12-312US-3	14/708,479	US9504082B2	2015-05-12	Method of Enhanced Connection Recovery and Loss-Less DATA Recovery
110	MTKI-13-013US	13/756,999	US8982725B2	2013-02-01	METHODS AND APPARATUS FOR COLLECTING AND PROVIDING DIVERSE TRAFFIC INFORMATION IN CELLULAR NETWORKS
111	MTKI-13-013US-1	13/756,838	US8986042B2	2013-02-01	METHODS AND APPARATUS FOR TRIGGERING AND REPORTING DIVERSE TRAFFIC INFORMATION IN CELLULAR NETWORKS
112	MTKI-13-013US-2	14/821,742	US9282562B2	2015-02-13	METHODS AND APPARATUS FOR COLLECTING AND PROVIDING DIVERSE TRAFFIC INFORMATION IN CELLULAR NETWORKS

113	MTKI-13-026PCT-US	13/927,113	US8277548B2	2013-06-26	PHYSICAL STRUCTURE AND REFERENCE SIGNAL UTILIZATION OF ENHANCED PHYSICAL DOWNLINK CONTROL CHANNEL FOR OFDM/OFDMA SYSTEMS
114	MTKI-13-026PCT-US-1	15/000,219		2013-06-26	PHYSICAL STRUCTURE AND REFERENCE SIGNAL UTILIZATION OF ENHANCED PHYSICAL DOWNLINK CONTROL CHANNEL FOR OFDM/OFDMA SYSTEMS
115	MTKI-13-037US	13/847,619	US8445409B2	2013-03-20	METHOD FOR SEARCH SPACE CONFIGURATION OF ENHANCED PHYSICAL DOWNLINK CONTROL CHANNEL
116	MTKI-13-057US-1	16/233,099	US9381438B2	2016-08-10	Method for Search Space Configuration of Enhanced Physical Downlink
117	MTKI-13-062US	13/848,987	US9258809B2	2013-03-22	METHODS FOR MULTI-POINT CARRIER AGGREGATION CONFIGURATION AND DATA FORWARDING
118	MTKI-13-060US-1	15/000,244	US9622268B2	2016-01-19	Methods for Multi-Point Carrier Aggregation Configuration and Data Forwarding
119	MTKI-13-060US-2	15/000,264	US9561582B2	2016-01-19	METHODS FOR MULTI-POINT CARRIER AGGREGATION CONFIGURATION AND DATA FORWARDING
120	MTKI-13-061US	13/848,942	US9144062B2	2013-03-22	METHODS AND APPARATUS OF ALLOCATING SCHEDULING REQUEST RESOURCES IN MOBILE COMMUNICATION NETWORKS
121	MTKI-13-061US-1	14/846,340	US9346019B2	2015-08-31	Method and Apparatus of allocating scheduling request resources in mobile communication networks
122	MTKI-13-078US	13/871,226		2013-04-26	USER EQUIPMENT ENHANCEMENT FOR DIVERSE DATA APPLICATION
123	MTKI-13-081US	13/848,964	US9125197B2	2013-03-22	METHODS FOR PHYSICAL LAYER MULTI-POINT CARRIER AGGREGATION AND MULTI-POINT FEEDBACK CONFIGURATION
124	MTKI-13-098US	13/898,591	US8518591B2	2013-05-17	ENHANCED UE DATA TRANSMISSION FOR POWER CONSUMPTION OPTIMIZATION
125	MTKI-13-098US-1	15/334,006	9,789,750	2013-05-17	Enhanced UE Data Transmission for Power Consumption Optimization
126	MTKI-13-100US	13/898,911	US8995989B2	2013-05-21	UE Enhancement for Service Recovery in Mobile Communications Network
127	MTKI-13-106US	14/082,619	US9565140B2	2013-10-11	HARQ Memory Space Management for LTE Carrier Aggregation
128	MTKI-13-107US	13/947,379	9,730,097	2013-07-22	Method of Efficient Blind Call Activation
129	MTKI-13-126US	14/199,032	US9432950B2	2014-03-06	METHOD FOR TRANSMISSION POWER SHAPING AND COMMUNICATIONS APPARATUS UTILIZING THE SAME
130	MTKI-13-160US	14/198,692	US9462618B2	2014-03-06	Method of call setup time reduction for voice over LTE
131	MTKI-13-167US	13/959,755		2013-08-08	UE PREFERENCE INDICATION AND ASSISTANCE INFORMATION IN MOBILE COMMUNICATION NETWORKS
132	MTKI-13-176US	14/187,212	9,754,803	2014-01-16	System and Methods of Dynamic TDD Configurations
133	MTKI-13-176US-1				System and Methods of Dynamic TDD Configurations
134	MTKI-13-177US	14/089,334	US8628251B2	2013-11-25	UE MEASUREMENT ENHANCEMENT IN ADAPTIVE TDD CONFIGURATION NETWORKS
135	MTKI-13-198US	14/078,789	9,730,090	2013-11-13	Radio Link Failure Report Extensions in Mobile Communication Networks
136	MTKI-13-198US-1	15/638,366		2013-11-13	Radio Link Failure Report Extensions in Mobile Communication Networks

137	MTKI-13-272US	14/488,526	US9356744B2	2014-08-26	METHOD FOR DEACTIVATED SECONDARY CELL MEASUREMENT AND COMMUNICATIONS APPARATUS UTILIZING THE SAME
138	MTKI-13-272US-1	15/145,614		2014-08-26	METHOD FOR DEACTIVATED SECONDARY CELL MEASUREMENT AND COMMUNICATIONS APPARATUS UTILIZING THE SAME
139	MTKI-13-349US	14/221,631	US9386425B2	2014-03-21	Group Communication over LTE eMBMS
140	MTKI-13-349US-1	15/172,258		2014-03-21	Group Communication over LTE eMBMS
141	MTKI-13-350US	14/221,664	US9473906B2	2014-03-21	Idle Mode Reception for Group Communication over LTE eMBMS
142	MTKI-13-351US	14/221,689	US9445243B2	2014-03-21	Service Continuity for Group Communication Over LTE eMBMS
143	MTKI-13-351US-1	15/249,552		2014-03-21	Service Continuity for Group Communication over LTE eMBMS
144	MTKI-13-352US	14/221,722	US9315851B2	2014-03-21	Radio Resource Efficient Transmission for Group Communication over LTE eMBMS
145	MTKI-13-368US	14/165,933	US9439112B2	2014-01-28	LOW OVERHEAD MOBILITY IN LOCAL AREA WIRELESS NETWORK
146	MTKI-14-018US	14/764,967	US9621519B2	2015-08-29	MOBILE COMMUNICATION DEVICES AND CONTEXT-BASED GEOFENCE CONTROL METHODS THEREOF
147	MTKI-14-018US-1	15/343,310	8,712,969	2015-08-29	MOBILE COMMUNICATION DEVICES AND CONTEXT-BASED GEOFENCE CONTROL METHODS THEREOF
148	MTKI-14-047US	14/251,747	US9262523B2	2014-04-25	MAXIMUM OUTPUT POWER CONFIGURATION WITH UE PREFERENCE IN CARRIER AGGREGATION
149	MTKI-14-049US	14/269,361		2014-05-08	METHODS FOR PREVENTING IN-DEVICE COEXISTENCE INTERFERENCE AND COMMUNICATIONS APPARATUS UTILIZING THE SAME
150	MTKI-14-129PCT-US	15/017,955		2016-02-08	METHOD TO DETERMINE THE STARTING SUBFRAME OF DATA CHANNEL
151	MTKI-14-139US	14/315,972		2014-06-28	Enhanced Broadcast Channel for Primary System Information Acquisition in OFDM/OFDMA Systems
152	MTKI-14-148US	14/273,886	US9350532B2	2014-05-09	Long Paging Cycle and Paging Enhancement for Power Saving LTE Devices
153	MTKI-14-148US-1	15/200,803		2014-05-09	Long Paging Cycle and Paging Enhancement for Power saving LTE Devices
154	MTKI-14-151US	14/273,857	US9402232B2	2014-05-09	Cell Reselection Enhancement for Power Saving LTE Devices
155	MTKI-14-166US	14/320,873		2014-07-01	Traffic Shaping Mechanism for UE power saving in Connected mode
156	MTKI-14-167US	14/320,894		2014-07-01	Traffic Shaping Mechanism for UE power saving in Connected Mode
157	MTKI-14-199US	14/495,148	9,730,152	2014-09-25	UE Enhancement in FDD-TDD Joint Operation Networks
158	MTKI-14-200PCT-US	14/870,207		2015-09-30	DRX AND HARQ OPERATIONS IN ADAPTIVE TDD SYSTEMS
159	MTKI-14-223PCT-US	14/761,122		2015-07-15	Physical resource allocation for UL control channels in adaptive TDD systems
160	MTKI-14-262PCT-US	14/873,362		2015-10-02	SEPARATE ACCUMULATION OF UE TRANSMIT POWER ADJUSTMENT IN ADAPTIVE TDD SYSTEMS
161	MTKI-14-265PCT-US	14/870,244		2015-09-30	DRX AND HARQ OPERATIONS IN ADAPTIVE TDD SYSTEMS
162	MTKI-14-280US	14/495,181	US9659797B2	2014-09-25	Methods of Discovery and Measurements for Small Cells in OFDM/OFDMA Systems

163	MTKI-14-340US	14/496,219	9,749,075	2014-09-25	Methods of Discovery and Measurements for Small Cells in OFDM/OFDMA Systems
164	MTKI-14-340US-1	15/657,430		2014-09-25	Methods of Discovery and Measurements for Small Cells in OFDM/OFDMA
165	MTKI-14-341US	14/555,271	9,813,124	2014-11-26	Methods for Codeword Level Interference Cancellation with Network Assistance
166	MTKI-14-412US	14/607,381	US9862229B2	2015-01-28	METHOD FOR CANCELLING A DATA TRANSMISSION OF A NEIGHBORING CELL
167	MTKI-14-412US-1	15/431,384		2015-01-28	Method for Cancelling a Data Transmission of a Neighboring Cell
168	MTKI-14-412US-2	15/431,417		2015-01-28	Method for Cancelling a Data Transmission of a Neighboring Cell
169	MTKI-14-412US-3	15/431,445		2015-01-28	Method for Cancelling a Data Transmission of a Neighboring Cell
170	MTKI-14-456US	14/607,402	9,813,179	2015-01-28	SYSTEM DESIGN FOR CANCELLING A DATA TRANSMISSION OF A NEIGHBORING CELL
171	MTKI-14-481US	14/598,040	9,769,221	2015-01-15	Method to support service continuity for multiple sessions
172	MTKI-14-481US-1	15/680,472		2017-08-17	Method to support service continuity for multiple sessions
173	MTKI-14-493US	14/606,913		2015-01-27	Buffer Status Report and Logical Channel Prioritization for Dual Connectivity
174	MTKI-15-016US	14/607,420	US9861546B2	2015-01-28	Dynamic Offload Selection in Mobile Communication Systems
175	MTKI-15-042US	14/639,414		2015-03-05	Smart Congestion Control for RRC Idle Mode in LTE Systems
176	MTKI-15-065US	14/644,443	9,814,090	2015-03-11	Method to Reduce Service Interruption
177	MTKI-15-065US-1	15/713,323		2017-08-22	Method to Reduce Service Interruption
178	MTKI-15-071US	14/639,437	US98638540B2	2015-03-05	Smart Congestion Control for RRC Connected Mode in LTE Systems
179	MTKI-15-082US	14/669,205	US9609507B2	2015-03-26	Method of Device-Assisted Enhanced SIM Replacement
180	MTKI-15-355US	14/663,533		2015-09-24	RRC Re-establishment on Secondary ENodeB for Dual Connectivity
181	MTKI-15-376US	14/654,369		2015-08-15	Method of Enhanced Bearer Continuity for 3GPP System Change
182	MTKI-15-413US	14/668,736		2015-08-29	Signaling of Network-Assisted Intra-Cell Interference Cancellation and Suppression
183	MTKI-15-441US	15/015,366	9,781,852	2016-02-04	Method and apparatus of LWA PDU routing
184	MTKI-15-442US	15/008,236		2016-01-27	RAN Assistance Parameter Reporting for LTE-WLAN Interworking Control and Management
185	MTKI-15-443US	15/005,259		2016-01-25	Maximum Transmission Unit Size Reporting Using AT Commands
186	MTKI-15-444US	15/154,041		2016-05-13	Finer Control of WLAN Association for Network-Controlled LTE-WLAN Interworking
187	MTKI-15-445US	15/005,285		2016-01-25	Control of Maximum Transmission Unit Size Discovery Using AT Commands
188	MTKI-15-446US	15/008,203		2016-01-27	RAN Rule and Condition Match Reporting for LTE-WLAN Interworking Control and Management
189	MTKI-15-447US	15/008,166	9,713,046	2016-01-27	Offloadability of PDN Connection for LTE-WLAN Interworking Control and Management
190	MTKI-15-511US	15/227,204		2016-08-03	Methods of Enabling Multiuser Superposition Transmission
191	MTKI-15-517US	15/235,695		2016-08-12	Signal Design and Demodulation for Multiuser Superposition Transmission Scheme
192	MTKI-15-521US	15/070,191		2016-03-15	Methods of Beacon Transmission for Measurements in Opportunistic Spectrum Access



193	MTRK-15-522US	15/098,409		2016-04-14	Methods of Listen-Before-Talk Mechanism for Opportunistic Spectrum Access
194	MTRK-15-545US	14/980,750		2015-12-28	Rate Matching and Soft Channel Bits Storage for Superposition Coding
195	MTRK-15-546US	14/980,867		2015-12-28	Soft Buffer Partition for Superposition Coding
196	MTRK-15-547US	14/980,991	US98680678B2	2016-12-28	Soft Packet Combining for Superposition Coding
197	MTRK-15-548US	14/981,154	9831958	2015-12-28	Resource Allocation for Superposition Coding
198	MTRK-15-590US	15/054,108		2016-02-25	Uplink Contention Based Multiple Access for 5G Cellular IoT
199	MTRK-15-591US	15/004,188		2016-01-22	LTE RACH Procedure Enhancement
200	MTRK-15-608US	15/153,980		2016-05-13	Method and Apparatus of Latency Measurement for LTE-WLAN Aggregation
201	MTRK-15-617US	15/005,329	9,787,596	2016-01-25	Maximum Transmission Unit Size Reporting and Discovery by a User Equipment
202	MTRK-15-619US	15/008,267		2016-01-27	Control Channel and Data Channel Design for User Equipment
203	MTRK-16-004US	15/008,281		2016-01-27	Methods to Support Measurements for User equipment
204	MTRK-16-015US	15/235,745		2016-08-12	Signal Modulation and Demodulation for Multiuser Superposition
205	MTRK-16-050US	15/150,001		2016-05-09	Channel State Feedback Enhancement in Downlink Multiuser Superposition Transmission
206	MTRK-16-051US	15/150,991		2016-05-10	Use of Different Precoders for Superposed Signals in Downlink Multiuser Superposition Transmission
207	MTRK-16-070US	15/098,431		2016-04-14	Methods of Listen-Before-Talk Mechanism for Opportunistic Spectrum Access
208	MTRK-16-089US	15/182,771		2016-05-12	Rate Adaptation for LTE-WLAN Aggregation
209	MTRK-16-140US	15/155,682		2016-05-15	EFFICIENT DISCONTINUOUS
210	MTRK-16-151US	15/273,886	9,756,568	2016-09-23	Enhance AT Command for Backoff Timer Control
211	MTRK-16-164US	15/214,295		2016-07-19	Measurement Enhancements for LTE Systems
212	MTRK-16-190US	15/240,060		2016-08-18	A Method for Load Redistribution in Mobile Communication Systems
213	MTRK-16-199US	15/240,083		2016-08-18	A Method of High-efficiency Connected Mode Cell Re-selection
214	MTRK-16-210US	15/27,7709		2016-09-27	Power Control Signaling for Multiuser Superposition Transmission
215	MTRK-16-219US	15/278,067		2016-09-28	Method of Enhanced Timer Handling for SIM/USIM Change
216	MTRK-16-230US	15/255,034		2016-10-18	Method of SIM-less Subscription Mechanism for Mobile Cellular Networks
217	MTRK-16-221US	15/343,551		2016-11-04	A METHOD FOR EFFICIENT RELIABLE TRANSMISSION
218	MTRK-16-265US	15/342,275		2016-11-03	Resource Element Mapping for Interference Cancellation Friendly New Air
219	MTRK-16-266US	15/281,030		2016-09-29	Multiplexing DRS within a Transmission Burst for Opportunistic Spectrum Access
220	MTRK-16-303US	15/341,846		2016-11-02	Rate Assignment with Rate Splitting for Interference Cancellation Friendly
221	MTRK-16-304US	15/341,879		2016-11-02	Assistance Info and UE Feedback for Interference Cancellation Friendly New
222	MTRK-16-355US	15/423,962		2017-02-03	Multi-Carrier Operation for Narrowband Internet of Things
223	MTRK-16-356US	15/468,763		2017-04-27	Connected Mode Discontinuous Reception for Narrow Band Internet of
224	MUSI-14-045PCT-US	15/345,720		2016-11-08	Robust Mobility Measurements and Inter-Cell Coordination in MNWAVE Small

225	MUSI-14-055PCT-US	15/345,752		2016-11-08	A Spatial Diversity Scheme in Communication Systems of Beamforming
226	MUSI-15-087US	15/238,610		2016-08-16	Methods of Distributed Control Achieving Fair Radio Resource Access
227	MUSI-15-088US	15/010,000		2016-01-29	Frame Structure and Data Mapping for License Assisted Access
228	MUSI-15-105US	15/099,768		2016-04-15	A Macro-assisted Multi-Connectivity Scheme in Multi-RAT Cellular Systems
229	MUSI-15-118US	15/153,959		2016-05-03	Routing Solutions for LTE-WLAN Aggregation
230	MUSI-15-119US	15/015,362	9,768,242	2016-02-04	Network Selection and Data Aggregation with LTE-WLAN Aggregation
231	MUSI-15-120US	15/152,733		2016-05-12	QoS Provisioning for LTE-WLAN Aggregation
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233	MUSI-17-002US	15/423,999		2017-02-03	The method of PAPR Reduction in eLAA
234	MUSI-17-002US-1	15/474,299		2017-02-03	PLICH Resource Allocation and Peak to Average Power Ratio Reduction in
235	MUSI-17-003US	15/433,492		2017-02-15	Channel Access Procedure and QoS Provisioning for Uplink LAA
236	MUSI-17-004US	15/473,619		2017-03-30	Wireless Communication System Design
237	MUSI-17-010US	15/432,022		2017-02-14	Listen before Talk Channel Access Procedure for Uplink LAA
238	MUSI-17-010US-1			2017-02-14	Channel access procedure for uplink LAA
239	MUSI-17-027US	15/474,884		2017-03-30	Physical Random Access Channel Design in eLAA
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241	MUSI-17-030US	15/473,622		2017-03-30	Efficient Control and Data Multiplexing in Communication Systems
242	MUSI-17-031US	15/473,628		2017-03-30	Transmission Preemption and its Indication
243	MUSI-17-033US	15/593,323		2017-05-12	Uplink Routing for Enhanced LWA
244	SUNI-15-006US	12/289,418	US7769926B2	2008-10-28	Method for providing a buffer status report using user equipment to calculate available space of a protocol data unit in a mobile communication network
245	SUNI-15-009US	12/382,644	US8065694B1	2009-03-20	Method for avoiding unnecessary excessive stay of short cycle in discontinuous reception mechanism
246	SUNI-15-011US	12/457,800	US8031668B1	2009-06-22	Method for optimizing discontinuous reception in random access and scheduling request
247	SUNI-15-012US	13/090,243	US8537767B2	2011-04-05	METHOD FOR PERFORMING POWER HEADROOM REPORTING PROCEDURE AND PWR MAC CONTROL ELEMENT

China: 205					
No.	MTK Number	App. No.	Patent No.	Filed Date	App Title
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2	MTKI-08-291PCT-CN	200880000218.4	ZL200880000218.4	2008-03-05	测距的方法及带宽请求测距的方法
3	MTKI-08-318PCT-CN	200880000303.0	ZL200880000303.0	2008-03-06	无线网络中接收融合自动重传请求的方法及装置
4	MTKI-09-027PCT-CN	200980000316.8	ZL200980000316.8	2009-06-05	正交频分复用多载波无线通信系统中入网方法
5	MTKI-09-064PCT-CN	200980000332.2	ZL200980000332.2	2009-06-11	多载波无线通信系统中的扫描和切换方法
6	MTKI-09-064PCT-CN-1	201310045443.8	ZL201310045443.8	2009-06-11	多载波无线通信系统中的切换方法
7	MTKI-09-072PCT-CN	200980000353.9	ZL200980000353.9	2009-07-07	扫描相邻基站的方法以及使用该方法的通信装置
8	MTKI-09-072PCT-CN-1	201310417022.8	ZL201310417022.8	2009-07-07	扫描相邻基站的通信装置

9	MTKI-09-081PCT-CN	200980000283.7	ZL200980000283.7	2009-07-07	用于在多频带正交频分复用存取通信系统中收发数据的方法以及使用同样方法的通信装置
10	MTKI-09-086PCT-CN	200980100885.X	ZL200980100885	2009-12-31	信道交织方法、信道交织器与信道编码装置
11	MTKI-09-086PCT-CN-1	201510319932.1		2009-12-31	信道交织方法、信道交织器与信道编码装置
12	MTKI-09-087PCT-CN-1	201610292603.2		2009-07-07	建立休眠模式操作的方法及移动台
13	MTKI-09-083PCT-CN	200980000386.3	ZL200980000386.3	2009-07-07	多载波OFDM系统中保护子载波进行数据传输的方法与装置
14	MTKI-09-093PCT-CN-1	201210328171.8	ZL201210328171.8	2009-07-07	保护子载波进行数据传输的方法与多载波无线装置
15	MTKI-09-126PCT-CN	200980000307.4	ZL200980000307.4	2009-09-04	多载波无线网络中移动台电源管理的方法、移动台及操作方法
16	MTKI-09-165PCT-CN	200980100831.3	ZL200980100831.3	2009-12-11	上行链路同步的方法、蜂窝正交频分多址接入系统及基站
17	MTKI-09-192PCT-CN-1	201810805422.7		2009-12-22	蜂窝基站及可靠性方法
18	MTKI-10-018PCT-CN-1	201610947007.3		2016-03-02	通信方法、基站以及移动台
19	MTKI-10-022PCT-CN	201080001061.X	ZL201080001061.X	2010-03-02	广播信道提供方法、基站、干扰抑制方法及接收器
20	MTKI-10-085PCT-CN	201080002988.5	ZL201080002988.5	2010-12-21	上行链路功率控制方法与基站
21	MTKI-10-176PCT-CN	201080002382.1	ZL201080002382.1	2010-10-08	连接预编码器选择的方法、移动站与计算机可读媒体
22	MTKI-10-223PCT-CN	201080003366.4	ZL201080003366.4	2010-12-30	载波频组的优化方法
23	MTKI-11-024PCT-CN	201180001060.X	ZL201180001060.X	2011-03-14	多播入网互连方法
24	MTKI-11-045PCT-CN	201180001110.4	ZL201180001110.4	2011-04-02	管理多分量载波、缓冲器状态报告及功率余裕报告方法
25	MTKI-11-045PCT-CN-1	201610577327.X		2011-04-02	管理多分量载波的方法
26	MTKI-11-091PCT-CN	201180002062.0	ZL201180002062.0	2011-06-20	通信设备及协调传输的方法、指定近似空子帧模式的方法
27	MTKI-11-091PCT-CN-1	201610897788.2		2011-06-20	通信设备间协调传输及指定近似空子帧模式的方法
28	MTKI-11-093PCT-1-CN	201180002268.3	ZL201180002268.3	2011-06-20	用于HARQ反馈信息的资源分配的基站、UE及其方法
29	MTKI-11-093PCT-CN	201180001941.1	ZL201180001941.1	2011-06-20	OFDMA系统中用于载波聚合的ULHARQ反馈模式设定方法、用户设备及基站
30	MTKI-11-095PCT-CN	201180001949.8	ZL201180001949.8	2011-06-20	载波聚合下的探测方法及用户设备
31	MTKI-11-100PCT-CN	201180002307.X	ZL201180002307.X	2011-06-20	协调多组无线收发器的装置及方法
32	MTKI-11-100PCT-CN-1	201610819873.9		2011-06-20	协调多组无线收发器的装置及方法
33	MTKI-11-101PCT-CN	201180001935.6	ZL201180001935.6	2011-08-17	资源分配方法和用户设备
34	MTKI-11-102PCT-CN-1	201610899377.8		2011-06-18	无线通信方法以及基站
35	MTKI-11-105PCT-CN	201180004213.8	ZL201180004213.8	2011-11-03	非周期性探测参考信号设定方法以及基站
36	MTKI-11-105PCT-CN-1	201510322891.7		2011-11-03	非周期性探测参考信号设定方法、基站和用户设备
37	MTKI-11-129PCT-CN	201180002542.7	ZL201180002542.7	2011-07-21	载波内共存无线通信方法
38	MTKI-11-129PCT-CN-1	201510148833.6		2011-07-21	载波内共存无线通信方法
39	MTKI-11-129PCT-CN-2	201510145811.5		2011-07-21	载波内共存无线通信方法
40	MTKI-11-150PCT-CN	201180002720.6	ZL201180002720.6	2011-08-12	消除载波内共存干扰的方法及无线装置
41	MTKI-11-152PCT-CN	201180003269.X	ZL201180003269.X	2011-08-12	载波装置内共存干扰消除的方法及无线通信装置
42	MTKI-11-179PCT-CN	201180010385.7	ZL201180010385.7	2011-09-30	用户设备及其功率余量的报告方法
43	MTKI-11-179PCT-CN-1	201510395742.3		2011-09-30	用户设备及其功率余量的报告方法
44	MTKI-11-186PCT-CN	PCT/CN2011/081749	CN1961308	2011-11-03	最小化路测信息记录和报告方法
45	MTKI-11-186PCT-CN-1	201610073024.9		2011-11-03	最小化路测信息记录和问题事件报告方法与用户设备
46	MTKI-11-186PCT-CN-2	201610088864.7		2011-11-03	最小化路测信息记录和问题事件报告中电池状况处理方法
47	MTKI-11-197PCT-CN	201180007094.X	ZL201180007094.X	2011-11-03	上行链路最小化路测测量方法
48	MTKI-11-197PCT-CN-1	201510071724.X		2011-11-03	将功率信息与服务质量相关的方法和用户设备
49	MTKI-11-197PCT-CN-2	201510071771.4		2011-11-03	相关测量结果的方法和用户设备
50	MTKI-11-216PCT-CN	201180004333.6	ZL201180004333.6	2011-11-08	用于干扰协调的用户设备测量以及网络接入过程的方法

51	MTKI-11-221PCT-CN	201280000522.0	ZL201280000522.0	2012-01-10	决定实施管理状态信息测量的时间的方法和通讯装置
52	MTKI-11-221PCT-CN-1	201610528733.6		2012-01-10	通讯装置
53	MTKI-11-225PCT-CN	201180004414.6	ZL201180004414.6	2011-11-11	用在通信系统内配置信状态信息测量的方法与通信装置
54	MTKI-11-278PCT-CN	201280000521.8	ZL201280000521.8	2012-01-08	用于减小小区内共存干扰的功率控制方法和无线通信装置
55	MTKI-11-278PCT-CN-1	201510027105.0		2012-01-08	功率控制方法和用户设备
56	MTKI-11-279PCT-CN-1	201611086082.X		2012-01-10	测量网络资源配置方法和用户设备
[REDACTED]					
58	MTKI-11-280PCT-CN-1	201710083269.6		2012-02-10	用户设备参考信号接收质量测量方法和用户设备
59	MTKI-11-281PCT-CN-1	201610843033.7		2012-02-10	在最小化测量测量结果中管理用户可见的方法和控制中心
60	MTKI-12-004PCT-CN	201280000635.0	ZL201280000635.0	2012-02-15	决定信状态信息报告优先级的方法及其用户设备
61	MTKI-12-004PCT-CN-1	201610346494.1		2012-02-15	决定信状态信息报告优先级的方法及其用户设备
62	MTKI-12-021CN-1	201310220541.0		2013-06-05	将失败事件发送网络通信链路的方法和用户设备
63	MTKI-12-021CN-2	201310221158.8		2013-06-05	连接建立失败报告方法和用户设备
64	MTKI-12-021PCT-CN	201280000629.5	ZL201280000629.5	2012-03-31	通过相关信报告并处理失败事件的方法和用户设备
65	MTKI-12-050PCT-CN	201280000532.4	ZL201280000532.4	2012-03-31	管理与维持多时序提前方法
66	MTKI-12-051PCT-CN	201280000734.9	ZL201280000734.9	2012-03-31	支持载波内共存干扰回避的方法
67	MTKI-12-079PCT-CN	201280000808.9	ZL201280000808.9	2012-05-03	无线电路监测和无线电路失败处理方法以及用户设备
68	MTKI-12-098PCT-CN	201280000735.3	ZL201280000735.3	2012-05-04	用户设备专用下行链路调度控制信道的指令方法
69	MTKI-12-118PCT-CN	201280001881.8	ZL201280001881.8	2012-06-21	支持具有不同时分双工配置的载波聚合的系统和方法
70	MTKI-12-118PCT-CN-1	201610959903.1		2012-06-21	支持时分双工配置的载波聚合的方法和用户设备
71	MTKI-12-151PCT-CN	201280011050.9		2012-08-10	异质网络中小小区发现方法
72	MTKI-12-151PCT-CN-1	201710978936.X		2017-10-19	异质网络中小小区发现方法
73	MTKI-12-161PCT-CN	201280001486.X	ZL201280001486.X	2012-08-10	管理时间信息存取的方法和用户设备
74	MTKI-12-174PCT-CN	201280001339.2	ZL201280001339.2	2012-07-05	通过非接入层指令指示本地网络协议接入支持的系统和方法
75	MTKI-12-174PCT-CN-1	201610186834.5		2012-07-05	提供本地网络协议接入指示的方法和用户设备
76	MTKI-12-178PCT-CN	201280001759.0	ZL201280001759.0	2012-08-16	增强型存取控制方法
77	MTKI-12-178PCT-CN-1	201610267775.4		2012-08-16	增强型存取控制方法
78	MTKI-12-190PCT-CN	201280001586.2	ZL201280001586.2	2012-08-10	协同多点传输的节点失败方法
79	MTKI-12-213PCT-CN	201280043309.8		2012-08-29	使用探测参考信号以支持基于网络的定位
80	MTKI-12-213PCT-CN-1	201710666269.9		2017-10-17	使用探测参考信号以支持基于网络的定位
81	MTKI-12-236PCT-CN	201280048520.9		2012-10-08	长期演进系统中用于最小化测量的定位
82	MTKI-12-337PCT-CN	201280044827.1		2012-10-08	用于LTE系统中最小化测量的位置跟踪控制
83	MTKI-12-338PCT-CN	201280049559.2		2012-11-07	用于上行链路测量范围的最小化跟踪
84	MTKI-12-243PCT-CN	201280003601.7	ZL201280003601.7	2012-10-08	基于载波聚合的调度请求重传的改进
85	MTKI-12-244PCT-CN	PCT/CN2012/083482	CN2294786	2012-10-25	发射机启动服务延迟抑制的方法
86	MTKI-12-247PCT-CN	201280014163.4	ZL201280014163.4	2012-10-08	用户设备将流控信息提供给网络的方法
87	MTKI-12-311PCT-CN	201380006461.3		2013-01-18	用于LTE系统中最小化测量的位置跟踪控制
88	MTKI-12-312PCT-CN	201380006575.7		2013-01-18	增强型连接恢复和无损数据恢复方法
89	MTKI-12-312PCT-CN-1	201380006807.0	ZL201380006807.0	2013-01-18	增强型连接恢复方法和用户设备
90	MTKI-13-013PCT-1-CN	201380006804.6		2013-02-04	蜂窝式网络中融合以及上报多样业务信息的方法及装置
91	MTKI-13-013PCT-CN	201380006806.0		2013-02-04	蜂窝式网络中收集以及上报多样业务信息的方法及装置
92	MTKI-13-026PCT-CN	201380006183.5		2013-03-15	OFDM/OFDMA系统中增强物理下行链路控制信道的物理结构以及参考信号利用

93	MTKI-13-037PCT-CN	201380005527.7		2013-03-21	Method for Search Space Configuration of Enhanced Physical Downlink Control Channel
94	MTKI-13-050PCT-CN	201380008219.1		2013-03-22	多點載波聚合配置以及資料轉發方法
95	MTKI-13-061PCT-CN	201380008289.8		2013-03-22	移動通信網路中分配調度請求資源的方法以及裝置
96	MTKI-13-078PCT-CN	201380018662.X		2013-04-27	用於多件應用應用的用戶設備適應
97	MTKI-13-081PCT-CN	201380008452.X		2013-03-22	物理層多點載波聚合以及多點回饋配置方法
98	MTKI-13-082PCT-CN-1	201710717140.4		2017-08-21	用於功耗优化的增強UE資料傳輸
99	MTKI-13-100PCT-CN	201380008489.5		2013-05-22	移動通信網路中服務恢復的UE增強
100	MTKI-13-106CN	201410531732.3		2014-10-10	緩衝區分割的方法及用戶設備
101	MTKI-13-107PCT-CN	201380039761.1		2013-07-25	高效首次緩衝寫入方法
102	MTKI-13-126CN	201410200742.9		2014-05-13	通信設備以及通信設備的傳輸功率整形的方法
103	MTKI-13-150PCT-CN	201480073915.3		2014-05-13	用於LTE上通管以縮短呼叫建立時間的方法
104	MTKI-13-167PCT-CN	201380009406.X		2013-08-07	移動通信網路中UE觸發指示以及輔助信息
105	MTKI-13-176PCT-CN	201480004896.9		2014-01-17	動態TDD配置用戶設備和方法
106	MTKI-13-177PCT-CN	201380055770.X		2013-11-28	UE MEASUREMENT ENHANCEMENT IN ADAPTIVE TDD CONFIGURATION NETWORKS
107	MTKI-13-198PCT-CN	201380053683.8		2013-11-14	移動通信網路中無線鏈路失敗報告擴展
108	MTKI-13-272PCT-CN	201480086786.5		2014-10-20	已定義帶碼分區載波測量的方法及其使用相同方法的通信設備
109	MTKI-13-348PCT-CN	201480003180.0		2014-03-24	基於LTE增強型多媒體廣播多播業務的群組通信
110	MTKI-13-350PCT-CN	201480003295.6		2014-03-24	基於LTE增強型多媒體廣播多播業務的群組通信的空間模式接收
111	MTKI-13-351PCT-CN	201480003297.5		2014-03-24	基於LTE增強型多媒體廣播多播業務的群組通信的業務連續性
112	MTKI-13-352PCT-CN	201480003193.4		2014-03-24	基於LTE增強型多媒體廣播多播業務的群組通信的無線資源高效傳輸
113	MTKI-13-358PCT-CN	201480005159.0		2014-01-29	本地區域無線網中低調制移動性管理
114	MTKI-14-016PCT-CN	201580002599.5		2015-07-02	移動通信裝置以及基於上下文的地理圖標控制方法
115	MTKI-14-047PCT-CN	201480021872.7		2014-04-28	載波聚合中用戶設備偏好的最大輸出功率配置
116	MTKI-14-048PCT-CN	201480021662.2		2014-05-06	防止裝置內共存干抗的方法以及使用該方法的通信設備
117	MTKI-14-129PCT-CN	201480003679.5		2014-08-08	精定數據值遞延給予預的方法
118	MTKI-14-139PCT-CN	201480034200.7		2014-06-26	OFDM/OFDMA系統中用於主要系統信息發取的增強廣播信道
119	MTKI-14-148PCT-CN	201480017642.0		2014-05-12	LONG PAGING CYCLE AND PAGING ENHANCEMENT FOR POWER SAVING LTE DEVICES
120	MTKI-14-151PCT-CN	201480017506.0		2014-05-12	用於功率節省LTE裝置的小區選擇增強
121	MTKI-14-155PCT-CN	201480034152.1		2014-07-03	用於選擇模式中UE功率節省的能量整形限制
122	MTKI-14-167PCT-CN	201480036614.1		2014-07-03	用於空閒模式中UE功耗節省的流量整形機制
123	MTKI-14-190PCT-CN	201480052270.5		2014-09-28	FDD-TDD聯合運作網路中的UE增強
124	MTKI-14-200PCT-CN	201480043417.4		2014-08-05	自适应TDD系統中DRX以及HARQ運作
125	MTKI-14-229PCT-CN	201380078487.2		2013-08-09	自適應TDD系統中UL控制信道的物理資源分配
126	MTKI-14-235PCT-CN	201480039991.X		2014-08-08	自適應TDD系統中PHICH
127	MTKI-14-251PCT-CN	201480039695.2		2014-08-08	自適應TDD系統中TPC命令和UE發送功率調整之間的時序關係
128	MTKI-14-262PCT-CN	201480039694.8		2014-08-08	自適應TDD系統中UE發送功率調整狀態廣播
129	MTKI-14-265PCT-CN	201480042469.X		2014-08-05	自適應TDD系統中DRX以及HARQ運作
130	MTKI-14-280PCT-CN	201480082036.2		2014-09-26	OFDM/OFDMA系統中用於小區發現以及測量的方法

131	MTKI-14-340PCT-CN	201480052085.9		2014-09-26	OFDM/OFDMA系統中用於小區發現以及測量的方法
132	MTKI-14-341PCT-CN	201480013347.8		2014-11-27	網絡輔助碼字級干擾消除的方法
133	MTKI-14-413PCT-CN	201580001228.5		2015-01-29	消除相鄰小區數據傳輸的方法
134	MTKI-14-456PCT-CN	201580001234.0		2015-01-29	消除相鄰小區數據傳輸的方法
135	MTKI-14-481PCT-CN	201580002765.1		2015-01-16	支持多會話業務連續性的方法
136	MTKI-14-493PCT-CN	201580001142.2		2015-01-28	雙連接的緩存狀態報告和邏輯信道排程
137	MTKI-15-016PCT-CN	201580000276.2		2015-01-29	在混合編碼傳輸網路中的分派選擇方法
138	MTKI-15-042PCT-CN	201580012333.9		2015-03-06	LTE增強網路中用於RRC重開模式的智能調度控制
139	MTKI-15-065PCT-CN	201580002749.2		2015-03-12	減少業務中斷的方法
140	MTKI-15-071PCT-CN	201580001118.9		2015-03-06	長期演進升級系統中無線資源控制連接狀態的智能調度控制
141	MTKI-15-082PCT-CN	201580001141.9		2015-03-27	除靈輔助增強的更換用戶識別模塊的方法
142	MTKI-15-355PCT-CN	201580030676.8		2015-08-26	稱基站S-MIB上用於雙連接的RRC重連
143	MTKI-15-376PCT-CN	201580043862.7		2015-09-16	用於3GPP系統改變的跨系統連接性的方法及裝置
144	MTKI-15-413PCT-CN	201580028193.4		2015-09-30	網絡輔助小區內干擾消除以及制新的信令
145	MTKI-15-441PCT-CN	201660004186.4		2016-02-06	LWA PDU路由方法及裝置
146	MTKI-15-442PCT-CN	201660003258.9		2016-01-28	用於LTE-WLAN網絡互聯控制以及管理的PDN連接的分流能力
147	MTKI-15-443PCT-CN	201680001476.4		2016-01-26	使用AT命令中MTU大小的上報
148	MTKI-15-444PCT-CN	201680004242.5		2016-05-16	用於網絡控制LTE-WLAN互聯的WLAN調度精細控制
149	MTKI-15-445PCT-CN	201680001473.0		2016-01-26	使用AT命令控制MTU大小的發現
150	MTKI-15-446PCT-CN	201680004233.6		2016-01-28	用於LTE-WLAN網絡互聯控制以及管理RAN規則以及條件匹配上報
151	MTKI-15-447PCT-CN	201680002496.X		2016-01-28	用於LTE-WLAN網絡互聯控制以及管理的RAN輔助參數上報
152	MTKI-15-511PCT-CN	201680003384.X		2016-08-04	使能多用戶疊加傳輸的方法
153	MTKI-15-517PCT-CN	201680007108.0		2016-08-15	用於多用戶疊加傳輸方案的調度以及解調
154	MTKI-15-521PCT-CN	201680004236.X		2016-03-16	METHODS OF BEACON TRANSMISSION FOR MEASUREMENTS IN OPPORTUNISTIC SPECTRUM ACCESS
155	MTKI-15-522PCT-CN	201680003306.X		2016-04-15	METHODS OF LISTEN-BEFORE-TALK MECHANISM FOR OPPORTUNISTIC SPECTRUM ACCESS
156	MTKI-15-545PCT-CN	201580005115.2		2015-12-30	疊加編碼中的速率匹配和軟管道比特存儲
157	MTKI-15-546PCT-CN	201580005782.3		2015-12-30	疊加編碼中的軟緩沖區分區
158	MTKI-15-547PCT-CN	201580004199.8		2015-12-30	疊加編碼的軟數據包組合
159	MTKI-15-548PCT-CN	201580004916.7		2015-12-30	疊加編碼的資源分配
160	MTKI-15-590PCT-CN	201680004079.2		2016-02-26	用於高物聯網的基於多存取的上行鏈路競爭
161	MTKI-15-591PCT-CN	201680006996.3		2016-01-25	LTE RACH過程增強
162	MTKI-15-608PCT-CN	201680002821.6		2016-05-16	用於LWA的延遲調度方法和設備
163	MTKI-15-617PCT-CN	201680001578.2		2016-01-26	用戶設備的放大傳輸單元尺寸報告和發型
164	MTKI-15-619PCT-CN	201680003102.6		2016-01-28	用於UE的控制信道以及數據信道設計
165	MTKI-16-004PCT-CN	201680003398.1		2016-01-28	支持用戶設備的測量的方法
166	MTKI-16-015PCT-CN	201680007731.6		2016-06-15	用於多用戶疊加傳輸方案的調度以及解
167	MTKI-16-050PCT-CN	201680004438.5		2016-03-12	下行鏈路多用戶疊加傳輸中的信道狀態反饋增強
168	MTKI-16-051PCT-CN	201680008025.3		2016-05-12	L
169	MTKI-16-070PCT-CN	201680003872.2		2016-04-15	METHODS OF LISTEN-BEFORE-TALK MECHANISM FOR OPPORTUNISTIC SPECTRUM ACCESS

170	MTKI-16-089PCT-CN	201680002758.6		2016-05-13	用於LWA的速率適配
171	MTKI-16-151PCT-CN	201580002287.9		2016-09-26	遲遲計時器控制中的提示指令增強
172	MTKI-16-164PCT-CN			2016-07-20	MEASUREMENT ENHANCEMENTS FOR LTE SYSTEMS
173	MTKI-16-190PCT-CN	201680004279.0		2016-08-19	移動通信系統中的負載重分配方法
174	MTKI-16-199PCT-CN	201580006725.7		2016-08-19	高效連接模式小區重構的方法
175	MTKI-16-210PCT-CN	201680008026.8		2016-09-30	用於MUST的功率控制指令
176	MTKI-16-219PCT-CN	201660007230.8		2016-09-30	用於SIM或者USIM改變的增強定時器處理方法
177	MTKI-16-221PCT-CN	201680010360.5		2016-11-07	EFFICIENT RELIABLE TRANSMISSION
178	MTKI-16-265PCT-CN	201660004831.3		2016-11-04	用於對干擾消除友好的新型空中接口的資源元素映射
179	MTKI-16-266PCT-CN	201680007446.4		2016-09-30	用於撥音跟隨接入的傳輸架空中複用DRS
180	MTKI-16-303PCT-CN	201680004786.1		2016-11-04	RATE ASSIGNMENT WITH RATE SPLITTING FOR INTERFERENCE CANCELLATION FRIENDLY NEW AIR INTERFACE
181	MTKI-16-304PCT-CN	201680007746.2		2016-11-04	用於對干擾消除友好的新型空中接口的輔助信息和用戶設備反饋
182	MTKI-16-355PCT-CN			2017-02-06	MULTI-CARRIER OPERATION FOR NARROWBAND INTERNET OF THINGS
183	MTKI-16-356PCT-CN			2017-04-28	CONNECTED MODE DISCONTINUOUS RECEPTION FOR NARROW BAND INTERNET OF THINGS
184	MUSI-14-045PCT-CN	201680074025.8		2015-04-28	毫米波小區小區中的魯棒移動性測試及小區間移動
185	MUSI-14-055PCT-CN	201580026425.6		2015-04-28	波束成形的通信系統中空間分集的方案
186	MUSI-15-087PCT-CN	201680008860.X		2016-08-17	METHODS OF DISTRIBUTED CONTROL ACHIEVING FAIR RADIO RESOURCE ACCESS
187	MUSI-15-088PCT-CN	201680003743.1		2016-02-01	用於輔助撥音接入的結構以及數據映射
188	MUSI-15-118PCT-CN	201680004927.3		2016-05-16	用於LTE-WLAN聚合的路由解決方法
189	MUSI-15-119PCT-CN	201680008592.9		2016-02-05	具有LTE-WLAN聚合的網絡選擇及數據聚合
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191	MUSI-16-011PCT-CN	201680004167.8		2016-05-13	用於LTE-WLAN聚合的QOS保障
192	MUSI-17-002PCT-1-CN			2017-03-31	The method of PAPR Reduction in eLAA
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194	MUSI-17-003PCT-CN			2017-02-18	CHANNEL ACCESS PROCEDURE AND QOS PROVISIONING FOR UPLINK LAA
195	MUSI-17-004PCT-CN			2017-03-31	System design for low latency communications and ultra-low latency communications
196	MUSI-17-010PCT-CN			2017-02-16	LISTEN BEFORE TALK CHANNEL ACCESS PROCEDURE FOR UPLINK LAA
197	MUSI-17-027PCT-CN			2017-04-01	Physical Random Access Channel Design in eLAA
198	MUSI-17-029PCT-CN			2017-04-01	Control Channel Design for eLAA
199	MUSI-17-030PCT-CN			2017-03-31	Efficient control and data multiplexing in communication systems
200	MUSI-17-031PCT-CN			2017-03-31	EFFICIENT CONTROL AND DATA MULTIPLEXING IN COMMUNICATION SYSTEMS
201	MUSI-17-032PCT-CN			2017-05-15	UPLINK ROUTING FOR ENHANCED LWA
202	SUNI-15-006CN	200910171236.5	ZL200810171236	2006-10-27	動態網絡緩沖器狀態報告方法
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Japan : 55

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2	MTKI-09-027PCT-JP	2011-507781	JP5155443	2009-05-05	METHOD OF NETWORK ENTRY IN OFDM MULTI-CARRIER WIRELESS COMMUNICATIONS SYSTEMS
3	MTKI-09-125PCT-JP	JP 2001-529387	JP5455725	2009-09-04	マルチキャリア伝送の電源管理
4	MTKI-09-192PCT-JP	2010-550023	JP5051307	2010-09-09	RELIABLE FEMTOCELL SYSTEM FOR WIRELESS COMMUNICATION NETWORKS
5	MTKI-10-084PCT-JP	JP 2012-552236	JP58983803	2010-12-17	無線OFDMAシステムにおけるアップリンク電力制御メッセージインデキシング方法
6	MTKI-10-085PCT-JP	JP 2012-552237	JP5898246	2010-12-21	無線OFDMAシステム中のアップリンク電力制御メッセージ設計
7	MTKI-10-176PCT-JP	JP 2012-531228	JP5355795	2010-10-08	OFDMAベースの多重基地局MIMOに用いるプリコード選択の選択方法
8	MTKI-10-192PCT-JP	JP 2012-539173	JP5526237	2010-11-17	OFDMAシステム中、ネットワーク基盤の位置決め機構と基準信号設計
9	MTKI-10-223PCT-JP	JP 2012-545246	JP5702806	2010-12-30	無線OFDMAマルチキャリア通信システムの測定及びキャリアグループ
10	MTKI-11-045PCT-JP	JP 2013501817	JP5588778	2011-04-02	キャリアアグリゲーションの方法
11	MTKI-11-093PCT-1-JP	JP 2013-513546	JP5842266	2011-05-20	OFDMAシステムにおけるキャリアアグリゲーション用のアップリンクHARQフィードバックチャネル設計
12	MTKI-11-100PCT-JP	JP 2013-514543	JP5887335	2011-05-20	同じデバイスプラットフォーム中、多重無線送受信機を協調するシステムおよび方法
13	MTKI-11-101PCT-JP	JP 2013-514540	JP5803894	2011-05-17	マルチキャリア無線通信システムの測定構成
14	MTKI-11-102PCT-JP	JP 2013-513545	JP5898678	2011-05-15	MBMSサービス継続性と計数および局所的MBMSサービスのサポート方法
15	MTKI-11-102PCT-JP-1	JP2014087610	JP6014622	2014-04-21	MBMSサービス継続性と計数および局所的MBMSサービスのサポート方法
16	MTKI-11-104PCT-JP	JP 2013-513544	JP5543820	2011-05-15	ネットワーク実装なしで、MBMS受信機性能をサポートする方法
17	MTKI-11-105PCT-JP	2013-536864	JP5694548	2011-11-03	キャリアアグリゲーションにおけるサウンディングメカニズムおよび検定
18	MTKI-11-129PCT-JP	JP 2013-519949	JP5635593	2011-07-21	共存無線を有する装置の無線通信の方法
19	MTKI-11-150PCT-JP-1	2015-083514	JP6082768	2015-04-15	セルラー、ブルートース、WiFi、およびサテライトシステムの共存のためのデバイス内干渉軽減の方法
20	MTKI-11-152PCT-JP	JP 2013-523483	JP5842280	2011-09-12	移動通信装置における隣域内共存干渉軽減のトリガー方法
21	MTKI-11-179PCT-JP	JP2013-530553	JP5568591	2011-09-30	アンテナモジュール
22	MTKI-11-185PCT-JP	JP2013536993	JP5687351	2011-11-03	MDT情報ロギング及び報告方法
23	MTKI-11-216PCT-JP	JP2013-536049	JP5567222	2011-11-08	干渉制御のUEのパターン指示および測定の方法
24	MTKI-11-216PCT-JP-1	JP2014086487	JP5753525	2014-05-12	干渉制御のUEのパターン指示および測定の方法
25	MTKI-11-221PCT-JP	JP2013-547806	JP5873507	2012-01-10	通信装置、及び、そのチャネル状態情報測定の設定方法及び実行インスタンス決定方法
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27	MTKI-11-225PCT-JP	JP2013-538066	JP5698375	2011-11-11	チャンネル状態情報測定を設定する方法、および、それを用いた通信装置
28	MTKI-11-278PCT-JP	JP 2013-547800		2012-01-08	置内共存の干渉を軽減する電力制御方法
29	MTKI-11-279PCT-JP	JP2013-547805	JP5687380	2012-01-10	キャリアアグリゲーションを有する無線通信システム中の測定ギャップ設定
30	MTKI-11-281PCT-JP	JP2013-547808	JP5687361	2012-02-10	MDTユーザー関係情報集約化方法及びRAN制御モード
31	MTKI-12-004PCT-JP	JP2013-552094	JP5723032	2012-02-15	キャリアアグリゲーション中、周期的なCSI報告の優先規則
32	MTKI-12-050PCT-JP	JP2013-553791	JP5642299	2012-03-31	多重タイミングアドバンスの管理方法
33	MTKI-12-051PCT-JP	JP2013-558298	JP5735143	2012-03-31	装置内共存干渉回避をサポートするための通信方法
34	MTKI-12-079PCT-JP-1	2015-138707	6298415	2012-05-03	SCell無線リンクモニタリングおよび無線リンク障害ハンドリング
35	MTKI-12-088PCT-JP	JP2014-801436		2012-05-04	OFDMAシステムにおけるUE特定のダウンリンクスケジューラーのシグナリング方法
36	MTKI-12-118PCT-JP	JP2014513901	JP572813182	2012-06-21	キャリアアグリゲーションにおける異なるTDC構成をサポートする方法
37	MTKI-12-149PCT-JP	JP2014516057	JP5763838	2012-07-05	ローカルIPアクセスサポートを指示する方法とそれのためのユーザ装置
38	MTKI-12-159PCT-JP	JP2014526293	JP5801488	2012-08-10	業務状態を遷移してサービスの継続を可能とする通信方法及びこれに用いるユーザー機器
39	MTKI-12-161PCT-JP	特代理人提供		2012-08-10	ユーザー端末によるイベント情報のアクセス管理方法およびその装置
40	MTKI-12-174PCT-JP	JP2014508752	JP5714772	2012-07-09	ローカルIPアクセスパケットデータネットワーク (LIPADN) 接続を構築する方法とそれのためのユーザ装置
41	MTKI-12-178PCT-JP	JP2014521933	JP5746436	2012-08-16	LTEアドバンスドシステムにおける強化型アクセス制御方法
42	MTKI-12-213PCT-JP	JP2014532237	JP5830171	2012-09-29	サウンディング基準信号によるネットワークベースの位置決め方法、位置測定方法及び位置測定ユニット
43	MTKI-12-238PCT-JP	JP2014530990	JP5934365	2012-11-07	アップリンクリソカバレッジの運転テストの最小化
44	MTKI-12-311PCT-JP	JP2014549349	JP5855278	2013-01-18	LTEシステムにおけるドライブ試験の省力化の位置オプション制御方法
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47	MTKI-12-312PCT-JP-1	2016-045777		2013-01-18	強化型接続リカバリの方法
48	MTKI-13-013PCT-1-JP	JP2014552511	JP5986842	2013-02-04	セルラーネットワークにおける多様なトラフィック情報をトリガー及び報告する方法と装置
49	MTKI-13-013PCT-JP	JP2014552512	JP5855281	2013-02-04	セルラーネットワークにおける多様なトラフィック情報を収集および提供する方法と装置
50	MTKI-13-026PCT-JP	JP2014-561279	JP5889446	2013-03-19	OFDM/OFDMAシステム用の拡張型物理ダウンリンク制御チャネルの物理構造および基準信号の利用
51	MTKI-13-026PCT-JP-1	2016-027210		2016-02-16	OFDM/OFDMAシステム用の拡張型物理ダウンリンク制御チャネルの物理構造および基準信号の利用
52	MTKI-13-060PCT-JP	JP2015500764	JP5890082	2013-03-22	マルチポイントキャリアアグリゲーション設定とデータ転送の方法
53	MTKI-13-061PCT-JP	JP2015502074	6167169	2013-03-22	METHODS AND APPARATUS OF ALLOCATING SCHEDULING REQUEST RESOURCES IN MOBILE COMMUNICATION NETWORKS
54	MTKI-13-078PCT-JP	JP2015508291		2013-04-27	USER EQUIPMENT ENHANCEMENT FOR DIVERSE DATA APPLICATION

55	MTKI-13-098PCT-JP	2015-511920	6129301	2013-05-17	ENHANCED UE DATA TRANSMISSION FOR POWER CONSUMPTION OPTIMIZATION
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India : 92					
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3	MTKI-09-027PCT-IN	1605/MUMNP/2010		2009-05-05	METHOD OF NETWORK ENTRY IN OFDM MULTI-CARRIER WIRELESS COMMUNICATIONS SYSTEMS
4	MTKI-09-064PCT-IN	2154/MUMNP/2010	IN277504	2009-08-11	SCANNING AND HANDOVER OPERATION IN MULTI-CARRIER WIRELESS COMMUNICATIONS SYSTEMS
5	MTKI-09-064PCT-IN-1	201628034158		2009-06-11	SCANNING AND HANDOVER OPERATION IN MULTI-CARRIER WIRELESS COMMUNICATIONS SYSTEMS
6	MTKI-09-093PCT-IN	2468/MUMNP/2010		2009-07-07	METHOD AND APPARATUS OF DATA TRANSMISSION OVER GUARD SUB-CARRIERS IN MULTI-CARRIER OFDM SYSTEMS
7	MTKI-09-165PCT-IN	1132/MUMNP/2011		2009-12-11	UNIFIED SYNCHRONOUS RANGING CHANNEL DESIGN AND ALLOCATION IN WIRELESS OFDMA SYSTEMS
8	MTKI-10-249PCT-IN	1284/MUMNP/2011		2011-01-07	RESOURCE ALLOCATION AND SIGNALING METHOD FOR LTE SOUNDING
9	MTKI-12-118PCT-IN	420/MUMNP/2013		2012-08-21	SYSTEMS AND METHODS FOR DIFFERENT TDD CONFIGURATIONS IN CARRIER AGGREGATION
10	MTKI-12-178PCT-IN	457/MUMNP/2014		2012-08-16	ENHANCED ACCESS CONTROL IN LTE ADVANCED SYSTEMS
11	MTKI-12-238PCT-IN	847/MUMNP/2014		2012-11-07	MINIMIZATION OF DRIVE TESTS FOR UPLINK LINK COVERAGE
12	MTKI-13-098PCT-IN	2375/MUMNP/2014		2013-05-17	ENHANCED UE DATA TRANSMISSION FOR POWER CONSUMPTION OPTIMIZATION
13	MTKI-13-100PCT-IN	2482/MUMNP/2014		2013-05-22	USER EQUIPMENT ENHANCEMENT OF SERVICE RECOVERY IN MOBILE COMMUNICATION NETWORKS
14	MTKI-13-107PCT-IN	375/MUMNP/2015		2013-07-25	METHOD OF EFFICIENT BLIND SCELL ACTIVATION
15	MTKI-13-160PCT-IN	3499/MUMNP/2015		2014-05-13	METHOD OF CALL SETUP TIME REDUCTION FOR VOICE OVER LTE
16	MTKI-13-349PCT-IN	2624/MUMNP/2015		2014-03-24	GROUP COMMUNICATION OVER LTE EMBMS
17	MTKI-13-350PCT-IN	2620/MUMNP/2015		2014-03-24	IDLE MODE RECEPTION FOR GROUP COMMUNICATION OVER LTE EMBMS
18	MTKI-13-351PCT-IN	2618/MUMNP/2015		2014-03-24	SERVICE CONTINUITY FOR GROUP COMMUNICATION OVER LTE EMBMS
19	MTKI-13-352PCT-IN	2477/MUMNP/2015		2014-03-24	RADIO RESOURCE EFFICIENT TRANSMISSION FOR GROUP COMMUNICATION OVER LTE EMBMS
20	MTKI-13-368PCT-IN	2293/MUMNP/2015		2014-01-29	LOW OVERHEAD MOBILITY IN LOCAL AREA WIRELESS NETWORK

21	MTKI-14-047PCT-IN	2483/MUMNP/2015		2014-04-28	MAXIMUM OUTPUT POWER CONFIGURATION WITH UE PREFERENCE IN CARRIER AGGREGATION
22	MTKI-14-049PCT-IN	1888/MUMNP/2015		2014-05-06	METHODS FOR PREVENTING IN-DEVICE COEXISTENCE INTERFERENCE AND COMMUNICATIONS APPARATUS UTILIZING THE SAME
23	MTKI-14-148PCT-IN	2597/MUMNP/2015		2014-05-12	LONG PAGING CYCLE AND PAGING ENHANCEMENT FOR POWER SAVING LTE DEVICES
24	MTKI-14-151PCT-IN	2580/MUMNP/2015		2014-05-12	CELL RESELECTION ENHANCEMENT FOR POWER SAVING LTE DEVICES
25	MTKI-14-166PCT-IN	2284/MUMNP/2015		2014-07-03	TRAFFIC SHAPING MECHANISM FOR UE POWER SAVING IN CONNECTED MODE
26	MTKI-14-167PCT-IN	2294/MUMNP/2015		2014-07-03	TRAFFIC SHAPING MECHANISM FOR UE POWER SAVING IN IDLE MODE
27	MTKI-14-481PCT-IN	2463/MUMNP/2015		2015-01-18	METHOD TO SUPPORT SERVICE CONTINUITY FOR MULTIPLE SESSIONS
28	MTKI-14-493PCT-IN	3015/MUMNP/2015		2015-01-28	BSR AND LCP FOR DUAL CONNECTIVITY
29	MTKI-15-016PCT-IN	3018/MUMNP/2015		2015-01-29	METHOD OF OFFLOAD SELECTION IN HETEROGENEOUS WIRELESS COMMUNICATION NETWORKS
30	MTKI-15-042PCT-IN	3009/MUMNP/2015		2015-03-06	SMART CONGESTION CONTROL FOR RRC IDLE MODE IN LTE ADVANCED SYSTEMS
31	MTKI-15-065PCT-IN	201627007033		2015-03-12	METHOD TO REDUCE SERVICE INTERRUPTION
32	MTKI-15-071PCT-IN	3041/MUMNP/2015		2015-03-08	SMART CONGESTION CONTROL FOR RRC CONNECTED MODE IN LTE ADVANCED SYSTEMS
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34	MTKI-15-355PCT-IN	201727001040		2015-09-25	RRC RE-ESTABLISHMENT ON SECONDARY ENODEB FOR DUAL CONNECTIVITY
35	MTKI-15-376PCT-IN	201727001515		2015-08-16	METHOD AND APPARATUS OF ENHANCED BEARER CONTINUITY FOR 3GPP SYSTEM CHANGE
36	MTKI-15-413PCT-IN	201727005551		2015-09-30	SIGNALING OF NETWORK-ASSISTED INTRA-CELL INTERFERENCE CANCELLATION AND SUPPRESSION
37	MTKI-15-441PCT-IN	201727020792		2016-02-05	Method and apparatus of LWA PDU routing
38	MTKI-15-442PCT-IN	201727019877		2016-01-28	OFFLOADABILITY OF PDN CONNECTION FOR LTE-WLAN INTERWORKING CONTROL AND
39	MTKI-15-443PCT-IN	201727023845		2016-01-28	MAXIMUM TRANSMISSION UNIT SIZE REPORTING USING AT COMMANDS
40	MTKI-15-444PCT-IN	201727027904		2016-05-16	Finer control of WLAN association for network-controlled LTE/WLAN interworking
41	MTKI-15-445PCT-IN	201727024226		2016-01-26	CONTROL OF MAXIMUM TRANSMISSION UNIT SIZE DISCOVERY USING AT COMMANDS
42	MTKI-15-446PCT-IN	201727019874		2016-01-28	RAN RULE AND CONDITION MATCH REPORTING FOR LTE-WLAN INTERWORKING CONTROL AND MANAGEMENT
43	MTKI-15-447PCT-IN	201727019873		2016-01-28	RAN ASSISTANCE PARAMETER REPORTING FOR LTE-WLAN INTERWORKING CONTROL AND MANAGEMENT
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45	MTKI-15-517PCT-IN			2016-08-16	Signal Design and Demodulation for Multiuser Superposition Transmission Scheme
46	MTKI-15-523PCT-IN	201727030939		2016-03-16	METHODS OF BEACON TRANSMISSION FOR MEASUREMENTS IN OPPORTUNISTIC SPECTRUM ACCESS
47	MTKI-15-522PCT-IN	201727027619		2016-04-15	Methods of Listen-Before-Talk Mechanism for Opportunistic Spectrum Access
48	MTKI-15-545PCT-IN	201727015008		2015-12-30	RATE MATCHING AND SOFT CHANNEL BITS STORAGE FOR SUPERPOSITION CODING
49	MTKI-15-546PCT-IN	201727015012		2015-12-30	SOFT BUFFER PARTITION FOR SUPERPOSITION CODING
50	MTKI-15-547PCT-IN	201727015014		2015-12-30	SOFT PACKET COMBINING FOR SUPERPOSITION CODING
51	MTKI-15-548PCT-IN	201727015193		2015-12-30	RESOURCE ALLOCATION FOR SUPERPOSITION CODING
52	MTKI-15-590PCT-IN	201727028510		2016-02-26	UPLINK CONTENTION BASED MULTIPLE ACCESS FOR CELLULAR IOT
53	MTKI-15-591PCT-IN	201727012049		2016-01-25	LTE RACH Procedure Enhancement
54	MTKI-15-608PCT-IN	201727027858		2016-05-16	Method and apparatus of latency measurement for LTE-WLAN aggregation
55	MTKI-15-617PCT-IN	201727024089		2016-01-26	MAXIMUM TRANSMISSION UNIT SIZE REPORTING AND DISCOVERY BY A USER EQUIPMENT
56	MTKI-15-619PCT-IN	201727024925		2016-01-26	CONTROL CHANNEL AND DATA CHANNEL DESIGN FOR USER EQUIPMENT
57	MTKI-15-004PCT-IN	201727024271		2016-01-26	METHODS TO SUPPORT MEASUREMENTS FOR USER EQUIPMENT
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59	MTKI-16-050PCT-IN			2016-05-12	Channel State Feedback Enhancement in Downlink Multiuser Superposition Transmission
60	MTKI-16-051PCT-IN			2016-05-12	Use of Different Precoders for Superposed Signals in Downlink Multiuser Superposition Transmission
61	MTKI-16-070PCT-IN	201727027871		2016-04-16	Methods of Listen-Before-Talk Mechanism for Opportunistic Spectrum Access
62	MTKI-16-089PCT-IN			2016-05-13	Rate Adaptation for LTE-WLAN Aggregation
63	MTKI-16-151PCT-IN			2016-09-26	ENHANCE AT COMMAND FOR BACKOFF TIMER CONTROL
64	MTKI-16-164PCT-IN			2016-07-26	MEASUREMENT ENHANCEMENTS FOR LTE SYSTEMS
65	MTKI-16-190PCT-IN			2016-08-19	A METHOD FOR LOAD REDISTRIBUTION IN MOBILE COMMUNICATION SYSTEMS
66	MTKI-16-210PCT-IN			2016-09-30	Power Control for Multi-User Superposition Transmission
67	MTKI-16-219PCT-IN			2016-09-30	METHOD OF ENHANCED TIMER HANDLING FOR SIM OR USIM CHANGE
68	MTKI-16-221PCT-IN			2016-11-07	EFFICIENT RELIABLE TRANSMISSION
69	MTKI-16-263PCT-IN			2016-11-04	RESOURCE ELEMENT MAPPING FOR INTERFERENCE CANCELLATION FRIENDLY NEW AIR INTERFACE
70	MTKI-16-266PCT-IN			2016-09-30	Multiplexing DRS within a Transmission Burst for Opportunistic Spectrum Access
71	MTKI-16-303PCT-IN			2016-11-04	RATE ASSIGNMENT WITH RATE SPLITTING FOR INTERFERENCE CANCELLATION FRIENDLY NEW AIR INTERFACE

72	MTKI-16-304PCT-IN			2016-11-04	ASSISTANCE INFO AND UE FEEDBACK FOR INTERFERENCE CANCELLATION FRIENDLY NEW AIR INTERFACE
73	MTKI-16-353PCT-IN			2017-02-06	Multi-carrier Operation for NB-IOT
74	MTKI-16-356PCT-IN			2017-04-28	CONNECTED MODE DISCONTINUOUS RECEPTION FOR NARROW BAND INTERNET OF THINGS
75	MUSI-14-045PCT-IN			2015-04-28	Robust Mobility Schemes in mmWave Small Cell
76	MUSI-14-055PCT-IN			2015-04-26	A SPATIAL DIVERSITY SCHEME IN COMMUNICATION SYSTEMS OF BEAMFORMING
77	MUSI-15-087PCT-IN			2016-08-17	Methods of distributed control achieving fair radio resource access
78	MUSI-15-088PCT-IN	201727024242		2016-03-01	Frame Structure and Data Mapping for License Assisted Access
79	MUSI-15-118PCT-IN			2016-05-16	Method and apparatus of User Plane Architecture for LWA
80	MUSI-15-119PCT-IN	201727020799		2016-02-05	NETWORK SELECTION AND DATA AGGREGATION WITH LTE-WLAN AGGREGATION
81	MUSI-15-120PCT-IN	201727025748		2016-05-13	QoS Provisioning for LTE-WLAN Aggregation
82	MUSI-16-011PCT-IN	201727025755		2016-05-13	QOS PROVISIONING FOR LTE-WLAN AGGREGATION
83	MUSI-17-002PCT-1-IN			2017-03-31	The method of PAPR Reduction in eLAA
84	MUSI-17-002PCT-IN			2017-02-06	The method of PAPR Reduction in eLAA
85	MUSI-17-003PCT-IN			2017-02-16	Channel access procedure for uplink LAA
86	MUSI-17-004PCT-IN			2017-03-31	System design for low latency communications and ultra-low latency communications
87	MUSI-17-010PCT-IN			2017-02-16	LISTEN BEFORE TALK CHANNEL ACCESS PROCEDURE FOR UPLINK LAA
88	MUSI-17-017PCT-IN			2017-04-01	Physical Random Access Channel Design in eLAA
89	MUSI-17-028PCT-IN			2017-04-01	Control Channel Design for eLAA
90	MUSI-17-030PCT-IN			2017-03-31	Efficient control and data multiplexing in communication systems
91	MUSI-17-031PCT-IN			2017-03-31	EFFICIENT CONTROL AND DATA MULTIPLEXING IN COMMUNICATION SYSTEMS
92	MUSI-17-032PCT-IN			2017-05-15	Uplink Routing for Enhanced LWA

Brazil - 91					
No.	MTK Number	App. No.	Patent No.	Filed Date	App Title
1	MTKI-11-280PCT-BR	BR1120130203781		2012-02-10	METHOD OF UE RSRQ MEASUREMENT PRECAUTION FOR INTERFERENCE COORDINATION
2	MTKI-11-281PCT-BR	BR1120130203787		2012-02-10	METHOD FOR CENTRALIZING MDT USER INVOLVEMENT
3	MTKI-12-118PCT-BR	BR1120130201262		2012-06-21	SYSTEMS AND METHODS FOR DIFFERENT TDD CONFIGURATIONS IN CARRIER AGGREGATION
4	MTKI-12-178PCT-BR	BR1120140035431		2012-08-16	ENHANCED ACCESS CONTROL IN LTE ADVANCED SYSTEMS
5	MTKI-12-238PCT-BR	BR1120140110131		2012-11-07	MINIMIZATION OF DRIVE TESTS FOR UPLINK LINK COVERAGE
6	MTKI-13-098PCT-BR	1120140287880		2013-05-17	ENHANCED UE DATA TRANSMISSION FOR POWER CONSUMPTION OPTIMIZATION
7	MTKI-13-100PCT-BR	1120140290920		2013-05-22	USER EQUIPMENT ENHANCEMENT OF SERVICE RECOVERY IN MOBILE COMMUNICATION NETWORKS

8	MTKI-13-107PCT-BR	BR1120140304020		2013-07-28	METHOD OF EFFICIENT BLIND SCELL ACTIVATION
9	MTKI-13-160PCT-BR	1120160170997		2014-05-13	METHOD OF CALL SETUP TIME REDUCTION FOR VOICE OVER LTE
10	MTKI-13-349PCT-BR	BR1120150241972		2014-03-24	GROUP COMMUNICATION OVER LTE EMBMS
11	MTKI-13-350PCT-BR	BR1120150243355		2014-03-24	IDLE MODE RECEPTION FOR GROUP COMMUNICATION OVER LTE EMBMS
12	MTKI-13-351PCT-BR	BR1120150243380		2014-03-24	SERVICE CONTINUITY FOR GROUP COMMUNICATION OVER LTE EMBMS
13	MTKI-13-352PCT-BR	BR1120150243371		2014-03-24	RADIO RESOURCE EFFICIENT TRANSMISSION FOR GROUP COMMUNICATION OVER
14	MTKI-13-368PCT-BR	BR1120150185207		2014-01-29	LOW OVERHEAD MOBILITY IN LOCAL AREA WIRELESS NETWORK
15	MTKI-14-047PCT-BR	BR1120150271162		2014-04-28	MAXIMUM OUTPUT POWER CONFIGURATION WITH UE PREFERENCE IN CARRIER
16	MTKI-14-049PCT-BR	1120150265430		2014-05-08	METHODS FOR PREVENTING IN-DEVICE COEXISTENCE INTERFERENCE AND COMMUNICATIONS APPARATUS UTILIZING THE SAME
17	MTKI-14-139PCT-BR	1120150278863		2014-06-26	ENHANCED BROADCAST CHANNEL FOR PRIMARY SYSTEM INFORMATION ACQUISITION IN OFDM/OFDMA SYSTEMS
18	MTKI-14-148PCT-BR	1120150260808		2014-05-12	LONG PAGING CYCLE AND PAGING ENHANCEMENT FOR POWER SAVING LTE DEVICES
19	MTKI-14-151PCT-BR	1120150260889		2014-05-12	CELL RESELECTION ENHANCEMENT FOR POWER SAVING LTE DEVICES
20	MTKI-14-166PCT-BR	1120150274552		2014-07-03	TRAFFIC SHAPING MECHANISM FOR UE POWER SAVING IN CONNECTED MODE
21	MTKI-14-167PCT-BR	1120150274544		2014-07-03	TRAFFIC SHAPING MECHANISM FOR UE POWER SAVING IN IDLE MODE
22	MTKI-14-199PCT-BR	1120150270492		2014-09-26	UE ENHANCEMENT IN FDD-TDD JOINT OPERATION NETWORKS
23	MTKI-14-200PCT-BR	BR1120150164153		2014-08-05	DRX AND HARQ OPERATIONS IN ADAPTIVE TDD SYSTEMS
24	MTKI-14-223PCT-BR	1120150281557		2013-08-09	Physical resource allocation for UL control channels in adaptive TDD systems
25	MTKI-14-235PCT-BR	BR1120150165010		2014-08-08	POWER HEADROOM REPORTING IN ADAPTIVE TDD SYSTEMS
26	MTKI-14-261PCT-BR	BR1120150164145		2014-08-08	TIMING RELATION OF TPC COMMAND AND UE TRANSMIT POWER ADJUSTMENT IN ADAPTIVE TDD SYSTEMS
27	MTKI-14-262PCT-BR	BR1120150164170		2014-08-08	SEPARATE ACCUMULATION OF UE TRANSMIT POWER ADJUSTMENT IN ADAPTIVE TDD SYSTEMS
28	MTKI-14-265PCT-BR	BR1120150164188		2014-08-05	DRX AND HARQ OPERATIONS IN ADAPTIVE TDD SYSTEMS
29	MTKI-14-280PCT-BR	1120150284786		2014-08-26	METHODS OF DISCOVERY AND MEASUREMENTS FOR SMALL CELLS IN OFDM/OFDMA SYSTEMS
30	MTKI-14-340PCT-BR	1120150284723		2014-08-26	METHODS OF DISCOVERY AND MEASUREMENTS FOR SMALL CELLS IN OFDM/OFDMA SYSTEMS
31	MTKI-14-341PCT-BR	1120160121503		2014-11-27	METHODS FOR CODEWORD LEVEL INTERFERENCE CANCELLATION WITH NETWORK ASSISTANCE
32	MTKI-14-412PCT-BR	1120150278671		2015-01-29	METHODS FOR CANCELLING A DATA TRANSMISSION OF A NEIGHBORING CELL

33	MTKI-14-456PCT-BR	1120150275788		2015-01-29	METHODS FOR CANCELLING A DATA TRANSMISSION OF A NEIGHBORING CELL
34	MTKI-14-481PCT-BR	1120150275798		2015-01-16	METHOD TO SUPPORT SERVICE CONTINUITY FOR MULTIPLE SESSIONS
35	MTKI-14-493PCT-BR	1120160172000		2015-01-28	BSR AND LOP FOR DUAL CONNECTIVITY
36	MTKI-15-016PCT-BR	1120160174623		2015-01-29	METHOD OF OFFLOAD SELECTION IN HETEROGENEOUS WIRELESS COMMUNICATION NETWORKS
37	MTKI-15-042PCT-BR	1120160165047		2015-03-06	SMART CONGESTION CONTROL FOR RRC IDLE MODE IN LTE ADVANCED SYSTEMS
38	MTKI-15-065PCT-BR	1120160190777		2015-03-12	METHOD TO REDUCE SERVICE INTERRUPTION
39	MTKI-15-071PCT-BR	1120160166140		2015-03-06	SMART CONGESTION CONTROL FOR RRC CONNECTED MODE IN LTE ADVANCED SYSTEMS
40	MTKI-15-082PCT-BR	1120150323090		2015-09-27	METHOD OF DEVICE-ASSISTED ENHANCED SIM REPLACEMENT
41	MTKI-15-355PCT-BR	1120170030713		2016-09-26	RRC RE-ESTABLISHMENT ON SECONDARY ENODEB FOR DUAL CONNECTIVITY
42	MTKI-15-376PCT-BR	1120170038601		2016-09-16	METHOD AND APPARATUS OF ENHANCED BEARER CONTINUITY FOR 3GPP SYSTEM CHANGE
43	MTKI-15-413PCT-BR	1120170083786		2016-09-30	SIGNALING OF NETWORK-ASSISTED INTRA-CELL INTERFERENCE CANCELLATION AND SUPPRESSION
44	MTKI-15-441PCT-BR	1120170158121		2016-02-06	METHOD AND APPARATUS OF LWA PDU ROUTING
45	MTKI-15-442PCT-BR	1120170136395		2016-01-28	OFFLOADABILITY OF PDN CONNECTION FOR LTE-WLAN INTERWORKING CONTROL AND
46	MTKI-15-443PCT-BR	1120170150794		2016-01-26	MAXIMUM TRANSMISSION UNIT SIZE REPORTING USING AT COMMANDS
47	MTKI-15-444PCT-BR	1120170221110		2016-05-18	FINER CONTROL OF WLAN ASSOCIATION FOR NETWORK-CONTROLLED LTE/WLAN INTERNETWORKING
48	MTKI-15-445PCT-BR	1120170150778		2016-01-26	CONTROL OF MAXIMUM TRANSMISSION UNIT SIZE DISCOVERY USING AT COMMANDS
49	MTKI-15-446PCT-BR	1120170139189		2016-01-28	RAN RULE AND CONDITION MATCH REPORTING FOR LTE-WLAN INTERWORKING CONTROL AND MANAGEMENT
50	MTKI-15-447PCT-BR	1020170097397		2016-01-28	RAN ASSISTANCE PARAMETER REPORTING FOR LTE-WLAN INTERWORKING CONTROL AND MANAGEMENT
51	MTKI-15-511PCT-BR			2016-08-04	METHODS OF ENABLING MULTIUSER SUPERPOSITION TRANSMISSION
52	MTKI-15-517PCT-BR			2016-08-16	SIGNAL MODULATION AND DEMODULATION FOR MULTIUSER SUPERPOSITION TRANSMISSION SCHEME
53	MTKI-15-521PCT-BR	1120170170019		2016-03-16	METHODS OF BEACON TRANSMISSION FOR MEASUREMENTS IN OPPORTUNISTIC SPECTRUM ACCESS
54	MTKI-15-522PCT-BR	1120170196786		2016-04-15	METHODS OF LISTEN-BEFORE-TALK MECHANISM FOR OPPORTUNISTIC SPECTRUM ACCESS
55	MTKI-15-545PCT-BR	1120170127970		2015-12-30	RATE MATCHING AND SOFT CHANNEL BITS STORAGE FOR SUPERPOSITION CODING

56	MTK-15-545PCT-BR	1120170122383		2015-12-30	SOFT BUFFER PARTITION FOR SUPERPOSITION CODING
57	MTK-15-547PCT-BR	1120170095416		2015-12-30	SOFT PACKET COMBINING FOR SUPERPOSITION CODING
58	MTK-15-548PCT-BR	1120170127989		2015-12-30	RESOURCE ALLOCATION FOR SUPERPOSITION CODING
59	MTK-15-590PCT-BR	1120170181797		2016-02-26	UPLINK CONTENTION BASED MULTIPLE ACCESS FOR CELLULAR IOT
60	MTK-15-591PCT-BR	1120170134446		2016-01-26	LTE RACH PROCEDURE ENHANCEMENT
61	MTK-15-608PCT-BR	1120170224972		2016-06-16	METHOD AND APPARATUS OF LATENCY MEASUREMENT FOR LTE-WLAN AGGREGATION
62	MTK-15-617PCT-BR	1120170148374		2016-01-26	MAXIMUM TRANSMISSION UNIT SIZE REPORTING AND DISCOVERY BY A USER EQUIPMENT
63	MTK-15-619PCT-BR	1120170154064		2016-01-26	CONTROL CHANNEL AND DATA CHANNEL DESIGN FOR USER EQUIPMENT
64	MTK-15-004PCT-BR	1120170155133		2016-01-26	METHODS TO SUPPORT MEASUREMENTS FOR USER EQUIPMENT
65	MTK-16-019PCT-BR			2016-08-15	SIGNAL MODULATION AND DEMODULATION FOR MULTIUSER SUPERPOSITION TRANSMISSION SCHEME
66	MTK-16-050PCT-BR			2016-08-12	CHANNEL STATE FEEDBACK ENHANCEMENT IN DOWNLINK MULTIUSER SUPERPOSITION TRANSMISSION
67	MTK-16-051PCT-BR			2016-08-12	USE OF DIFFERENT PRECODERS FOR SUPERPOSED SIGNALS IN DOWNLINK MULTIUSER SUPERPOSITION TRANSMISSION
68	MTK-16-070PCT-BR	1120170203472		2016-04-15	METHODS OF LISTEN-BEFORE-TALK MECHANISM FOR OPPORTUNISTIC SPECTRUM ACCESS
69	MTK-16-089PCT-BR			2016-05-13	RATE ADAPTATION FOR LTE-WLAN AGGREGATION
70	MTK-16-164PCT-BR			2016-07-20	MEASUREMENT ENHANCEMENTS FOR LTE SYSTEMS
71	MTK-16-190PCT-BR			2016-08-18	A METHOD FOR LOAD REDISTRIBUTION IN MOBILE COMMUNICATION SYSTEMS
72	MTK-16-219PCT-BR			2016-09-30	METHOD OF ENHANCED TIMER HANDLING FOR SIM OR USIM CHANGE
73	MTK-16-331PCT-BR			2016-11-07	EFFICIENT RELIABLE TRANSMISSION
74	MTK-16-365PCT-BR			2016-11-04	RESOURCE ELEMENT MAPPING FOR INTERFERENCE CANCELLATION FRIENDLY NEW AIR INTERFACE
75	MTK-16-303PCT-BR			2016-11-04	RATE ASSIGNMENT WITH RATE SPLITTING FOR INTERFERENCE CANCELLATION FRIENDLY NEW AIR INTERFACE
76	MTK-16-304PCT-BR			2016-11-04	ASSISTANCE INFO AND UE FEEDBACK FOR INTERFERENCE CANCELLATION FRIENDLY NEW AIR INTERFACE
77	MTK-16-355PCT-BR			2017-02-08	MULTI-CARRIER OPERATION FOR NARROWBAND INTERNET OF THINGS
78	MTK-16-356PCT-BR			2017-04-26	CONNECTED MODE DISCONTINUOUS RECEPTION FOR NARROW BAND INTERNET OF THINGS
79	MUSI-14-045PCT-BR			2015-04-28	Robust Mobility Schemes in mmWave Small Cell
80	MUSI-14-055PCT-BR			2015-04-28	A SPATIAL DIVERSITY SCHEME IN COMMUNICATION SYSTEMS OF BEAMFORMING



81	MUSI-15-087PCT-BR			2016-08-17	METHODS OF DISTRIBUTED CONTROL ACHIEVING FAIR RADIO RESOURCE ACCESS
82	MUSI-15-088PCT-BR	1120170161370		2016-08-01	Frame Structure and Data Mapping for License Assisted Access
83	MUSI-15-118PCT-BR			2016-05-16	Routing Solutions for LTE-WLAN Aggregation
84	MUSI-15-119PCT-BR	1120170147487		2016-02-06	NETWORK SELECTION AND DATA AGGREGATION WITH LTE-WLAN AGGREGATION
85	MUSI-17-003PCT-BR			2017-02-16	CHANNEL ACCESS PROCEDURE AND QoS PROVISIONING FOR UPLINK LAA
86	MUSI-17-004PCT-BR			2017-03-31	System design for low latency communications and ultra-low latency communications
87	MUSI-17-027PCT-BR			2017-04-01	Physical Random Access Channel Design in eLAA
88	MUSI-17-029PCT-BR			2017-04-01	Control Channel Design for eLAA
89	MUSI-17-030PCT-BR			2017-03-31	Efficient control and data multiplexing in communication systems
90	MUSI-17-031PCT-BR			2017-03-31	EFFICIENT CONTROL AND DATA MULTIPLEXING IN COMMUNICATION SYSTEMS
91	MUSI-17-032PCT-BR			2017-05-16	UPLINK ROUTING FOR ENHANCED LWA

Taiwan : 75					
No.	MTK Number	App. No.	Patent No.	Filed Date	App Title
1	MTKI-08-237TW	087138705	TW:433559	2008-10-16	用來提供干擾量測結果的方法和行動台、配置無線資源的方法、資料傳輸排程的方法、以及蜂巢式正交分頻多重存取系統
2	MTKI-08-237TW-1	103106204	TW:535306	2014-02-26	配置無線資源分配之方法
3	MTKI-08-251TW	098114677	TW:387379	2008-05-04	無線通訊系統之快速回撥競爭基礎的測距程序
4	MTKI-08-318TW	098107243	TW:519097	2009-03-06	無線網路中接收混合自動重傳請求之方法及裝置
5	MTKI-09-027TW	098114609	TW:412291	2008-06-05	正交分頻多工多載波無線通訊系統中入網方法及無線裝置
6	MTKI-09-027TW-1	102132373	TW:478619	2013-09-09	正交分頻多工多載波無線通訊系統中入網方法及無線裝置
7	MTKI-09-064TW	098116346	TW:420931	2009-06-10	多載波無線通訊系統中的掃描和交遞運作
8	MTKI-09-072TW	098122913	TW:398174	2008-07-07	掃描相鄰基地台之方法以及通訊裝置
9	MTKI-09-081TW	098122912	TW:376129	2009-07-07	於多頻帶之正交分頻多工存取通訊系統接收資料之方法以及利用此方法之通訊裝置
10	MTKI-09-086TW	098146393	TW:448102	2009-12-31	通遞交遞方法、通遞交遞器與通遞編碼裝置
11	MTKI-09-087TW	098122910	TW:542235	2009-07-07	建立休眠模式操作的方法
12	MTKI-09-093TW	098122958	TW:408920	2009-07-07	確保子載波進行資料傳輸的方法與多載波無線裝置
13	MTKI-09-093TW-1	101141728	TW:470961	2012-11-09	多載波無線裝置
14	MTKI-09-126TW	098129853	TW:422382	2009-09-04	多載波傳輸的電源管理
15	MTKI-09-144TW	098136856	TW:411332	2009-10-20	蜂巢式正交分頻多工系統中之毫微微基地台及其下行網路網路同步方法
16	MTKI-09-152TW	098146381	TW:410091	2009-12-31	OFDMA系統中提供探測通道的探測模式的方法、IEEE 802.16m系統中提供探測通道的方法以及一種OFDMA系統中的行動台
17	MTKI-09-165TW	098142444	TW:404438	2009-12-11	於蜂巢式正交分頻多工存取系統中實現上行網路同步的方法、蜂巢式正交分頻多工存取系統、基地台及行動台

18	MTRK-09-192TW	098144134	TWI404444	2009-12-22	可靠性裝置、可靠性方法及相關基礎設施
19	MTRK-10-018TW	098105935	TWI569862	2010-03-02	通訊方法、資料結構、計算機可讀介質、基地台及行動台
20	MTRK-10-060TW	099113020	TWI422202	2010-04-26	行動通信網路，實作為無線OFDM網路中的方法以及實作為無線OFDM網路中的基地台的方法
21	MTRK-10-084TW	100102611	TWI424770	2011-01-25	功率控制訊息索引方法及基地台
22	MTRK-10-085TW	100102610	TWI420942	2011-01-25	上鏈功率控制方法及基地台
23	MTRK-10-176TW	099133482	TWI429216	2010-10-01	用於基於OFDMA之多基地台MIMO的連續預編碼器選擇之方法
24	MTRK-10-192TW	099139498	TWI422288	2010-11-17	基於網路的定位方法和參考信號設計方法
25	MTRK-10-223TW	098148825	TWI519110	2010-12-30	載波測量的優化方法
26	MTRK-11-024TW	100108478	TWI455837	2011-03-14	多重收發機網路互連方法
27	MTRK-11-045TW	100111539	TWI459839	2011-04-01	管理多成分載波、緩存器狀態報告以及功率檢控回報方法
28	MTRK-11-045TW-1	103133164	TWI555419	2014-08-26	管理多成分載波、緩存器狀態報告以及功率檢控回報方法
29	MTRK-11-091TW	100121378	TWI497956	2011-06-20	通訊裝置、通訊裝置間協同傳輸以及指定近平空白子載波圖樣的方法
30	MTRK-11-093TW	100121375	TWI465088	2011-06-20	HARQ回饋格式設定方法、使用者設備及基地台
31	MTRK-11-093TW-1	100121375	TWI448103	2011-06-20	用於HARQ回饋資訊之資源配置之基地台、UE及其方法
32	MTRK-11-095TW	100121171	TWI462622	2011-06-17	載波聚合下之探測方法以及使用者設備
33	MTRK-11-100TW	100121374	TWI477060	2011-06-20	協同多重無線收發器之裝置及方法
34	MTRK-11-102TW	100120835	TWI505727	2011-06-15	無線通訊方法以及基地台
35	MTRK-11-102TW-1	104129892	TWI562880	2015-09-10	無線通訊方法
36	MTRK-11-104TW	100120834	TWI445420	2011-06-15	支持多媒體廣播多點服務接收連續性的方法及用戶設備
37	MTRK-11-105TW	100140112	TWI446813	2011-11-03	非週期性雜訊參考信號設定方法以及基地台
38	MTRK-11-129TW	100125822	TWI458648	2011-07-22	裝置內共存無線通訊方法
39	MTRK-11-150TW	100128925	TWI483561	2011-08-12	消除裝置內共存干擾之方法及無線裝置
40	MTRK-11-152TW	100126624	TWI459734	2011-08-12	網際裝置內共存干擾消除的方法及無線通訊裝置
41	MTRK-11-179TW	100135448	TWI435636	2011-09-30	使用者設備及其功率檢控的報告方法
42	MTRK-11-216TW	100140654	TWI473448	2011-11-08	干擾協同的使用者設備測量以及網路存取過程的方法
43	MTRK-11-221TW	101100305	TWI459832	2012-01-10	決定實施通過狀態資訊測量之時間的方法、交換通過狀態資訊測量的方法及通訊裝置
44	MTRK-11-225TW	100141199	TWI454167	2011-11-11	用於單一通訊系統內配置通過狀態資訊測量之方法與通訊裝置
45	MTRK-11-278TW	101100582		2012-01-05	用於減少裝置內共存干擾的功率控制方法和無線通訊裝置
46	MTRK-11-279TW	101100904	TWI459831	2012-01-10	測量間隔報告配置方法和用戶設備
47	MTRK-11-280TW	101104293	TWI461011	2012-02-10	用戶設備參考信號接收品質測量報警方法和用戶設備
48	MTRK-11-281TW	101104292	TWI444061	2012-02-10	在最小化網路測量收集中管理用戶意見的方法和制點點
49	MTRK-12-004TW	101104842	TWI463899	2012-02-15	決定載波聚合中週期性狀態資訊報告的優先級規則的方法及其使用會效
50	MTRK-12-021TW	101111281	TWI450545	2012-03-30	通過相關資訊報告並處理失敗事件的方法和用戶設備
51	MTRK-12-050TW	101111278	TWI459847	2012-03-30	管理與維持多重時序線路的方法
52	MTRK-12-051TW	101111277	TWI443984	2012-03-30	支撐裝置內共存干擾過濾的方法
53	MTRK-12-079TW	101116541	TWI472238	2012-05-02	無線電網路監測和無線電網路失敗處理方法以及用戶設備
54	MTRK-12-098TW	101115921	TWI454108	2012-05-04	用戶設備專用下行網路控制通道的指令方法
55	MTRK-12-118TW	101122017	TWI459833	2012-06-20	支持具有不同時序工配置的載波聚合的系統和方法

56	MTKI-12-149TW	101123977	TWI473485	2012-07-04	提供本地網路網路設定存取指示的方法和用戶設備
57	MTKI-12-161TW	101128722	TWI477183	2012-08-09	管理事件資訊存取的方法和用戶設備
58	MTKI-12-174TW	101123976	TWI463889	2012-07-04	提供本地網路網路設定存取指示的方法和用戶設備
59	MTKI-12-178TW	101129484	TWI471036	2012-08-15	加強型存取控制方法
50	MTKI-12-180TW	101128914	TWI468522	2012-08-10	協同多點傳輸的節點鏈路方法
61	MTKI-16-356TW	106114287		2017-04-28	遠接模式非連續接收操作的方法和用戶設備
52	MUSI-15-1051TW	106112537		2017-04-14	宏輔助多連接方法以及使用者設備
63	MUSI-17-0021TW-1	106111064		2017-03-31	PUCCH資源分配方法以及用戶設備
64	MUSI-17-0081TW	106105023		2017-02-16	CHANNEL ACCESS PROCEDURE AND QOS PROVISIONING FOR UPLINK LAA
55	MUSI-17-0081TW	106111081		2017-03-31	低延遲通訊方法與用戶設備
66	MUSI-17-0101TW	106105022		2017-02-16	LISTEN BEFORE TALK CHANNEL ACCESS PROCEDURE FOR UPLINK LAA
67	MUSI-17-0271TW	106111086		2017-03-31	在eLAA中之實體隨機存取通訊方法以及使用者設備
68	MUSI-17-0291TW	106111088		2017-03-31	增強型授權輔助存取技術的控制通訊設計之使用方法及使用者設備
69	MUSI-17-0301TW	106111070		2017-03-31	控制開關斷電方法與用戶設備
70	MUSI-17-0311TW	106111072		2017-03-31	進行超低延遲通訊的方法與用戶設備
71	MUSI-17-0321TW	106115748		2017-05-12	用於增強LWA的上行鏈路路由方法和用戶設備
72	SUNI-15-0061TW	97139180		2008-10-13	行動通訊網路之緩衝器狀態報告方法
73	SUNI-15-0091TW	098109148		2009-03-20	於非連續接收模式中停留於短週期的方法
74	SUNI-15-0111TW	098120953	TWI369589	2009-06-23	於緩衝器及調度請求中最佳化非連續接收之方法
75	SUNI-15-0121TW	100111743	TWI508596	2011-04-06	執行功率餘裕回報程序方法與功率餘裕回報的媒體存取控制之控制單元

Germany - 50					
No.	MTK Number	App. No.	Patent No.	Filed Date	App Title
1	MTKI-08-291PCT-EP-DE	9741710.9	EP2274940	2010-05-05	FAST FEEDBACK CONTENTION-BASED RANGING PROCEDURE IN WIRELESS COMMUNICATIONS SYSTEMS
2	MTKI-08-318PCT-EP-DE	08715108.5	EP2255475B1	2009-03-06	COOPERATING TIMER AND RETRANSMISSION COUNTER FOR BUFFER MANAGEMENT IN A HARQ WIRELESS NETWORK
3	MTKI-09-027PCT-EP-DE	09741711.7	EP2274947B2	2010-10-06	METHOD OF NETWORK ENTRY IN OFDM MULTI-CARRIER WIRELESS COMMUNICATIONS SYSTEMS
4	MTKI-09-073PCT-EP-DE	09793846.8	EP2268025B1	2009-07-07	METHODS FOR SCANNING NEIGHBOR BASE STATIONS AND
5	MTKI-09-087PCT-EP-DE	08793847.6	EP2268007B1	2009-07-07	METHOD OF ESTABLISHING SLEEP MODE OPERATION FOR BROADBAND WIRELESS COMMUNICATIONS SYSTEMS
6	MTKI-09-126PCT-EP-DE	09611066.2	EP2321915B2	2009-09-04	POWER MANAGEMENT FOR MULTI-CARRIER TRANSMISSION
7	MTKI-09-144PCT-EP-DE	EP09823091.5	EP2342927B1	2009-10-30	DOWNLINK NETWORK SYNCHRONIZATION MECHANISM FOR
8	MTKI-10-018PCT-EP-DE	10748325.7	EP2404420B1	2010-03-02	METHOD AND APPARATUS FOR COMMUNICATING CARRIER CONFIGURATION IN MULTI-CARRIER OFDM SYSTEMS
9	MTKI-10-022PCT-EP-DE	EP 10748326.5	EP2404421B1	2010-03-02	METHOD AND APPARATUS FOR BROADCASTING AND RECEIVING SYSTEM INFORMATION IN OFDMA SYSTEMS

10	MTKI-10-085PCT-EP-DE	EP 10845586.7	EP2441298B1	2010-12-21	UPLINK POWER CONTROL MESSAGE DESIGN IN WIRELESS OFDMA SYSTEMS
11	MTKI-10-176PCT-EP-DE	EP 10819928.2	EP2484021B2	2010-10-08	CONCATENATING PRECODER SELECTION FOR OFDMA-BASED MULTI-BS MIMO
12	MTKI-11-091PCT-EP-DE	EP 11795202.8	EP2583517	2011-08-20	METHOD FOR COORDINATING TRANSMISSIONS BETWEEN DIFFERENT COMMUNICATIONS APPARATUSES AND COMMUNICATION APPARATUSES UTILIZING THE SAME
13	MTKI-11-093PCT-1-EP-DE	EP11785199.6	EP2438789B2	2011-08-20	RESOURCE ALLOCATION OF UPLINK HARQ FEEDBACK CHANNEL FOR CARRIER AGGREGATION IN OFDMA SYSTEMS
14	MTKI-11-093PCT-EP-DE	EP 11786200.2	EP2438702B1	2011-08-20	UPLINK HARQ FEEDBACK CHANNEL DESIGN FOR CARRIER AGGREGATION IN OFDMA SYSTEMS
15	MTKI-11-102PCT-EP-DE	EP 11795182.2	EP2468068	2011-08-15	METHODS TO SUPPORT MBMS SERVICE CONTINUITY AND COUNTING AND LOCALIZED MBMS SERVICE
16	MTKI-11-129PCT-EP-DE	EP 11809292.3	EP2468042B1	2011-07-21	Methods for wireless communication in a device with co-existence radio
17	MTKI-11-150PCT-EP-DE	EP 11816122.3	2481204	2011-08-12	METHOD OF IN-DEVICE INTERFERENCE MITIGATION FOR CELLULAR, BLUETOOTH, WIFI, AND SATELLITE SYSTEMS COEXISTENCE
18	MTKI-11-179PCT-EP-DE	EP 11828180.0	EP2497000B1	2011-08-30	INDICATION OF USER EQUIPMENT TRANSMIT POWER CAPACITY IN CARRIER AGGREGATION
19	MTKI-11-186PCT-EP-DE	EP 11837588.0	EP2508022B2	2011-11-03	METHOD OF MDT INFORMATION LOGGING AND REPORTING
20	MTKI-11-197PCT-EP-DE	EP 11837586.4	EP2505015B2	2011-11-03	METHOD OF UPLINK MDT MEASUREMENT
21	MTKI-11-221PCT-EP-DE	EP 12734337.4	EP2620016	2012-01-10	METHOD FOR DETERMINING AN INSTANCE FOR PERFORMING A CHANNEL STATE INFORMATION MEASUREMENT AND COMMUNICATIONS APPARATUSES UTILIZING THE SAME
22	MTKI-11-278PCT-EP-DE	EP 12732487.6	EP2661921B2	2012-01-06	POWER CONTROL METHOD TO MITIGATE INTERFERENCE FOR IN-DEVICE COEXISTENCE
23	MTKI-11-279PCT-EP-DE				MEASUREMENT GAP CONFIGURATION IN WIRELESS COMMUNICATION SYSTEMS WITH CARRIER AGGREGATION
24	MTKI-11-280PCT-EP-DE	EP12744188.4	2584545	2012-02-12	METHOD OF UW RSRQ MEASUREMENT PRECAUTION FOR INTERFERENCE COORDINATION
25	MTKI-12-004PCT-EP-DE				Priority Rules of Periodic CSI Reporting in Carrier Aggregation
26	MTKI-12-021PCT-EP-DE	EP 12765195.8	EP2601805B1	2012-03-31	FAILURE EVENT REPORT CORRELATION FOR DISTRIBUTED RAN SELF-ORGANIZATION
27	MTKI-12-051PCT-EP-DE				
28	MTKI-12-079PCT-EP-DE	EP 12779714.2	2596691	2012-05-05	CELL RADIO LINK MONITORING AND RADIO LINK FAILURE HANDLING
29	MTKI-12-118PCT-EP-2-DE	16162438.2	3057373	2012-06-23	SYSTEMS AND METHODS FOR DIFFERENT TDD CONFIGURATIONS IN CARRIER AGGREGATION
30	MTKI-12-118PCT-EP-DE	EP 12803405.5	EP2608897B1	2012-08-21	METHODS FOR DIFFERENT TDD CONFIGURATIONS IN CARRIER AGGREGATION

31	MTKI-12-174PCT-EP-DE	EP 12807692.4		2012-07-05	SYSTEM AND METHOD FOR INDICATING LOCAL IP ACCESS SUPPORT VIA NAS SIGNALING
32	MTKI-12-190PCT-EP-DE				
33	MTKI-12-232PCT-EP-DE	EP12847724.7	EP2661923B1	2012-11-07	MINIMIZATION OF DRIVE TESTS FOR UPLINK LINK COVERAGE
34	MTKI-12-243EP-DE	EP 12006591.1	EP2579672	2012-10-04	ENHANCEMENT FOR SCHEDULING REQUEST TRIGGERING BASED ON TRAFFIC CONDITION
35	MTKI-12-247EP-DE	EP 12006893.8	EP2579671B1	2012-10-04	METHODS FOR UE INDICATING TRAFFIC-RELATED INFORMATION TO
36	MTKI-13-013PCT-EP-DE	EP13744075.6	EP2671394B1	2013-02-04	METHODS AND APPARATUS FOR COLLECTING AND PROVIDING DIVERSE TRAFFIC INFORMATION IN CELLULAR NETWORKS
37	MTKI-13-037PCT-EP-DE				METHOD FOR SEARCH SPACE CONFIGURATION OF ENHANCED PHYSICAL DOWNLINK CONTROL CHANNEL
38	MTKI-13-060PCT-EP-DE	EP13764115.5	EP2689622	2013-03-22	Methods for Multi-point carrier aggregation configuration and data forwarding
39	MTKI-13-081PCT-EP	EP13764094.1	EP2686618B0	2013-03-21	Methods for Physical layer Multi-point carrier aggregation and multi-point feedback configuration
40	MTKI-13-081PCT-EP-10E				METHODS FOR PHYSICAL LAYER MULTI-POINT CARRIER AGGREGATION AND MULTI-POINT FEEDBACK CONFIGURATION
41	MTKI-13-081PCT-EP-DE	EP13764094.2	EP2689618B1	2013-03-22	Methods for Physical layer Multi-point carrier aggregation and multi-point feedback configuration
42	MTKI-13-098PCT-EP-DE	EP13790054.6	2708078	2013-05-19	ENHANCED UE DATA TRANSMISSION FOR POWER CONSUMPTION OPTIMIZATION
43	MTKI-13-176PCT-EP-DE	14740544.3	EP2805966B2	2014-01-17	METHOD AND SYSTEM FOR DYNAMIC ADAPTATION OF TDD
44	MTKI-13-198PCT-EP-DE	13854571.0	EP2783528B2	2013-11-14	RADIO LINK FAILURE REPORT EXTENSIONS IN MOBILE COMMUNICATION NETWORKS
45	MTKI-14-047PCT-EP-DE				MAXIMUM OUTPUT POWER CONFIGURATION WITH UE PREFERENCE IN CARRIER AGGREGATION
46	MTKI-14-148PCT-EP-DE	EP14794388.11	EP2856815B1	2014-05-14	LONG PAGING CYCLE AND PAGING ENHANCEMENT FOR POWER SAVING LTE DEVICES
47	MTKI-14-151PCT-EP-DE	EP14795088.7	EP2856810B1	2014-05-12	CELL RESELECTION ENHANCEMENT FOR POWER SAVING LTE DEVICES
48	MTKI-14-261PCT-EP-DE				TIMING RELATION OF TPC COMMAND AND UE TRANSMIT POWER ADJUSTMENT IN ADAPTIVE TDD SYSTEMS
49	MTKI-14-493PCT-EP-DE				
50	MUSI-14-045PCT-EP-DE	15890220.5		2015-04-28	Robust Mobility Schemes in mmWave Small Cell

United Kingdom : 49					
No.	MTK Number	App. No.	Patent No.	Filed Date	App Title
1	MTKI-08-291PCT-EP-GB	09741710.9	EP2274940	2010-05-05	FAST FEEDBACK CONTENTION-BASED RANGING PROCEDURE IN WIRELESS COMMUNICATIONS SYSTEMS

2	MTKI-08-318PCT-EP-GB	09718108.5	EP2255476B1	2009-03-08	COOPERATING TIMER AND RETRANSMISSION COUNTER FOR BUFFER MANAGEMENT IN A HARQ WIRELESS NETWORK
3	MTKI-09-027PCT-EP-GB	09741711.7	EP2274947B2	2010-10-08	METHOD OF NETWORK ENTRY IN OFDM MULTI-CARRIER WIRELESS COMMUNICATIONS SYSTEMS
4	MTKI-09-072PCT-EP-GB	09793846.8	EP2298025B1	2009-07-07	METHODS FOR SCANNING NEIGHBOR BASE STATIONS AND
5	MTKI-09-087PCT-EP-GB	09793847.8	EP2298007B1	2009-07-07	METHOD OF ESTABLISHING SLEEP MODE OPERATION FOR BROADBAND WIRELESS COMMUNICATIONS SYSTEMS
6	MTKI-09-126PCT-EP-GB	09811066.2	EP2321915B2	2009-09-04	POWER MANAGEMENT FOR MULTI-CARRIER TRANSMISSION
7	MTKI-09-144PCT-EP-GB	EP09823091.5	EP2342927B1	2008-10-30	DOWNLINK NETWORK SYNCHRONIZATION MECHANISM FOR FEMTOCELL IN CELLULAR OFDM SYSTEMS
8	MTKI-10-018PCT-EP-GB	10748325.7	EP2404420B1	2010-03-02	METHOD AND APPARATUS FOR COMMUNICATING CARRIER CONFIGURATION IN MULTI-CARRIER OFDM SYSTEMS
9	MTKI-10-022PCT-EP-GB	EP 10748326.5	EP2404421B1	2010-03-02	METHOD AND APPARATUS FOR BROADCASTING AND RECEIVING SYSTEM INFORMATION IN OFDMA SYSTEMS
10	MTKI-10-085PCT-EP-GB	EP 10845595.7	EP2441298B1	2010-12-21	UPLINK POWER CONTROL MESSAGE DESIGN IN WIRELESS OFDMA SYSTEMS
11	MTKI-10-176PCT-EP-GB	EP 10819928.2	EP2464021B2	2010-10-08	CONCATENATING PRECODER SELECTION FOR OFDMA-BASED MULTI-BS MIMO
12	MTKI-11-091PCT-EP-GB	EP 11795202.8	EP2583517	2011-08-20	METHOD FOR COORDINATING TRANSMISSIONS BETWEEN DIFFERENT COMMUNICATIONS APPARATUSES AND COMMUNICATION APPARATUSES UTILIZING THE SAME
13	MTKI-11-093PCT-1-EP-GB	EP11795199.6	EP2438789B2	2011-06-20	RESOURCE ALLOCATION OF UPLINK HARQ FEEDBACK CHANNEL FOR CARRIER AGGREGATION IN OFDMA SYSTEMS
14	MTKI-11-093PCT-EP-GB	EP 11795200.2	EP2438702B1	2011-08-20	UPLINK HARQ FEEDBACK CHANNEL DESIGN FOR CARRIER AGGREGATION IN OFDMA SYSTEMS
15	MTKI-11-102PCT-EP-GB	EP 11795182.2	EP2468068	2011-06-15	METHODS TO SUPPORT MBMS SERVICE CONTINUITY AND COUNTING AND LOCALIZED MBMS SERVICE
16	MTKI-11-129PCT-EP-GB	EP 11809292.3	EP2458042B1	2011-07-21	Methods for wireless communication in a device with co-existence radio
17	MTKI-11-150PCT-EP-GB	EP 11818122.3	2481204	2011-08-12	METHOD OF IN-DEVICE INTERFERENCE MITIGATION FOR CELLULAR, BLUETOOTH, WIFI, AND SATELLITE SYSTEMS COEXISTENCE
18	MTKI-11-179PCT-EP-GB	EP 11826150.0	EP2497000B1	2011-09-30	INDICATION OF USER EQUIPMENT TRANSMIT POWER CAPACITY IN CARRIER AGGREGATION
19	MTKI-11-385PCT-EP-GB	EP 11837568.0	EP2538022B2	2011-11-03	METHOD OF MDT INFORMATION LOGGING AND REPORTING
20	MTKI-11-197PCT-EP-GB	EP 11837586.4	EP2535015B2	2011-11-03	METHOD OF UPLINK MDT MEASUREMENT

21	MTKI-11-221PCT-EP-GB	EP 12734337.4	EP2620016	2012-01-10	METHOD FOR DETERMINING AN INSTANCE FOR PERFORMING A CHANNEL STATE INFORMATION MEASUREMENT AND COMMUNICATIONS APPARATUSES UTILIZING THE SAME
22	MTKI-11-278PCT-EP-GB	EP 12732487.9	EP266192182	2012-01-08	POWER CONTROL METHOD TO MITIGATE INTERFERENCE FOR IN-DEVICE COEXISTENCE
23	MTKI-11-279PCT-EP-GB				MEASUREMENT GAP CONFIGURATION IN WIRELESS COMMUNICATION SYSTEMS WITH CARRIER AGGREGATION
24	MTKI-11-280PCT-EP-GB	EP12744196.5	2664546	2012-02-13	METHOD OF UW RSRQ MEASUREMENT PRECUATION FOR INTERFERENCE COORDINATION
25	MTKI-12-004PCT-EP-GB				Priority Rules of Periodic CSI Reporting In Carrier Aggregation
26	MTKI-12-021PCT-EP-GB	EP 12765195.8	EP280180581	2012-03-31	FAILURE EVENT REPORT CORRELATION FOR DISTRIBUTED RAN SELF-ORGANIZATION
27	MTKI-12-051PCT-EP-GB				
28	MTKI-12-079PCT-EP-GB	EP 12778714.7	2596688	2012-05-10	SCELL RADIO LINK MONITORING AND RADIO LINK FAILURE HANDLING
29	MTKI-12-118PCT-EP-2-GB	16162438.3	3057374	2012-06-24	SYSTEMS AND METHODS FOR DIFFERENT TDD CONFIGURATIONS IN CARRIER AGGREGATION
30	MTKI-12-118PCT-EP-GB	EP 12803405.5	EP260689781	2012-06-21	METHODS FOR DIFFERENT TDD CONFIGURATIONS IN CARRIER AGGREGATION
31	MTKI-12-174PCT-EP-GB	EP 12807892.4		2012-07-05	SYSTEM AND METHOD FOR INDICATING LOCAL IP ACCESS SUPPORT VIA NAS SIGNALING
32	MTKI-12-190PCT-EP-GB				
33	MTKI-12-238PCT-EP-GB	EP12847724.7	EP266192381	2012-11-07	MINIMIZATION OF DRIVE TESTS FOR UPLINK LINK COVERAGE
34	MTKI-12-248EP-GB	EP 12006891.1	EP2679872	2012-10-04	ENHANCEMENT FOR SCHEDULING REQUEST TRIGGERING BASED ON TRAFFIC CONDITION
35	MTKI-12-247EP-GB	EP 12006883.8	EP267987181	2012-10-04	METHODS FOR UE INDICATING TRAFFIC-RELATED INFORMATION TO
36	MTKI-13-013PCT-EP-GB	EP13744075.6	EP267139481	2013-02-04	METHODS AND APPARATUS FOR COLLECTING AND PROVIDING DIVERSE TRAFFIC INFORMATION IN CELLULAR NETWORKS
37	MTKI-13-037PCT-EP-GB				METHOD FOR SEARCH SPACE CONFIGURATION OF ENHANCED PHYSICAL DOWNLINK CONTROL CHANNEL
38	MTKI-13-050PCT-EP-GB	EP13764115.5	EP2699822	2013-03-22	Methods for Multi-point carrier aggregation configuration and data forwarding
39	MTKI-13-081PCT-EP-1GB				METHODS FOR PHYSICAL LAYER MULTI-POINT CARRIER AGGREGATION AND MULTI-POINT FEEDBACK CONFIGURATION
40	MTKI-13-081PCT-EP-GB	EP13764094.2	EP269981881	2013-03-22	Methods for Physical layer Multi-point carrier aggregation and multi-point feedback configuration
41	MTKI-13-098PCT-EP-GB	EP13760054.7	2708077	2013-05-20	ENHANCED UE DATA TRANSMISSION FOR POWER CONSUMPTION OPTIMIZATION
42	MTKI-13-176PCT-EP-GB	14740544.3	EP28055982	2014-01-17	METHOD AND SYSTEM FOR DYNAMIC ADAPTATION OF TDD

43	MTKI-13-188PCT-EP-GB	13854571.0	EP2783529B2	2013-11-14	RADIO LINK FAILURE REPORT EXTENSIONS IN MOBILE COMMUNICATION NETWORKS
44	MTKI-14-047PCT-EP-GB				MAXIMUM OUTPUT POWER CONFIGURATION WITH UE PREFERENCE IN CARRIER AGGREGATION
45	MTKI-14-148PCT-EP-GB	EP14784388.16	EP2866815B1	2014-05-18	LONG PAGING CYCLE AND PAGING ENHANCEMENT FOR POWER SAVING LTE DEVICES
46	MTKI-14-151PCT-EP-GB	EP14785068.7	EP2866810B1	2014-05-12	CELL RESELECTION ENHANCEMENT FOR POWER SAVING LTE DEVICES
47	MTKI-14-261PCT-EP-GB				TIMING RELATION OF TPC COMMAND AND UE TRANSMIT POWER ADJUSTMENT IN ADAPTIVE TDD SYSTEMS
48	MTKI-14-483PCT-EP-GB				
49	MUSI-14-045PCT-EP-GB	15880220.6		2015-04-28	Robust Mobility Schemes in mmWave Small Cell

France - 45					
No.	MTK Number	App. No.	Patent No.	Filed Date	App Title
1	MTKI-08-291PCT-EP-FR	09741710.9	EP2274940	2010-05-05	FAST FEEDBACK CONTENTION-BASED RANGING PROCEDURE IN WIRELESS COMMUNICATIONS SYSTEMS
2	MTKI-08-318PCT-EP-FR	09718108.5	EP2255476B1	2008-03-08	COOPERATING TIMER AND RETRANSMISSION COUNTER FOR BUFFER MANAGEMENT IN A HARQ WIRELESS NETWORK
3	MTKI-09-027PCT-EP-FR	09741711.7	EP2274947B2	2010-10-05	METHOD OF NETWORK ENTRY IN OFDM MULTI-CARRIER WIRELESS COMMUNICATIONS SYSTEMS
4	MTKI-09-087PCT-EP-FR	09793847.8	EP2298007B1	2009-07-07	METHOD OF ESTABLISHING SLEEP MODE OPERATION FOR BROADBAND WIRELESS COMMUNICATIONS SYSTEMS
5	MTKI-09-126PCT-EP-FR	09811056.2	EP2321915B2	2009-09-04	POWER MANAGEMENT FOR MULTI-CARRIER TRANSMISSION
6	MTKI-10-018PCT-EP-FR	10748325.7	EP2404420B1	2010-03-02	METHOD AND APPARATUS FOR COMMUNICATING CARRIER CONFIGURATION IN MULTI-CARRIER OFDM SYSTEMS
7	MTKI-10-022PCT-EP-FR	EP 10748326.5	EP2404421B1	2010-03-02	METHOD AND APPARATUS FOR BROADCASTING AND RECEIVING SYSTEM INFORMATION IN OFDMA SYSTEMS
8	MTKI-10-085PCT-EP-FR	EP 10845595.7	EP2441298B1	2010-12-21	UPLINK POWER CONTROL MESSAGE DESIGN IN WIRELESS OFDMA SYSTEMS
9	MTKI-10-176PCT-EP-FR	EP 10819928.2	EP2484021B2	2010-10-08	CONCATENATING PRECODER SELECTION FOR OFDMA-BASED MULTI-BS MIMO
10	MTKI-11-091PCT-EP-FR	EP 11795262.8	EP2580317	2011-08-26	METHOD FOR COORDINATING TRANSMISSIONS BETWEEN DIFFERENT COMMUNICATIONS APPARATUSES AND COMMUNICATION APPARATUSES UTILIZING THE SAME
11	MTKI-11-083PCT-1-EP-FR	EP11795199.6	EP2438789B2	2011-06-20	RESOURCE ALLOCATION OF UPLINK HARQ FEEDBACK CHANNEL FOR CARRIER AGGREGATION IN OFDMA SYSTEMS



12	MTKI-11-093PCT-EP-FR	EP 11795200.2	EP2436702B1	2011-06-20	UPLINK HARQ FEEDBACK CHANNEL DESIGN FOR CARRIER AGGREGATION IN OFDMA SYSTEMS
13	MTKI-11-302PCT-EP-FR	EP 11795182.2	EP2466068	2011-06-15	METHODS TO SUPPORT MBMS SERVICE CONTINUITY AND COUNTING AND LOCALIZED MBMS SERVICE
14	MTKI-11-129PCT-EP-FR	EP 11809292.3	EP2466042B1	2011-07-21	Methods for wireless communication in a device with co-existence radio
15	MTKI-11-150PCT-EP-FR	EP 11816122.3	2481204	2011-08-12	METHOD OF IN-DEVICE INTERFERENCE MITIGATION FOR CELLULAR, BLUETOOTH, WIFI, AND SATELLITE SYSTEMS COEXISTENCE
16	MTKI-11-179PCT-EP-FR	EP 11828150.0	EP2497008B1	2011-09-30	INDICATION OF USER EQUIPMENT TRANSMIT POWER CAPACITY IN CARRIER AGGREGATION
17	MTKI-11-186PCT-EP-FR	EP 11837686.0	EP2606022B2	2011-11-03	METHOD OF MDT INFORMATION LOGGING AND REPORTING
18	MTKI-11-197PCT-EP-FR	EP 11837586.4	EP2505016B2	2011-11-03	METHOD OF UPLINK MDT MEASUREMENT
19	MTKI-11-221PCT-EP-FR	EP 12734337.4	EP2620016	2012-01-10	METHOD FOR DETERMINING AN INSTANCE FOR PERFORMING A CHANNEL STATE INFORMATION MEASUREMENT AND COMMUNICATIONS APPARATUSES UTILIZING THE SAME
20	MTKI-11-278PCT-EP-FR	EP 12732487.9	EP2661821B2	2012-01-06	POWER CONTROL METHOD TO MITIGATE INTERFERENCE FOR IN-DEVICE COEXISTENCE
21	MTKI-11-279PCT-EP-FR				MEASUREMENT GAP CONFIGURATION IN WIRELESS COMMUNICATION SYSTEMS WITH CARRIER AGGREGATION
22	MTKI-11-280PCT-EP-FR	EP12744188.3	2684644	2012-02-11	METHOD OF UW RSRQ MEASUREMENT PRECAUTION FOR INTERFERENCE COORDINATION
23	MTKI-12-004PCT-EP-FR				Priority Rules of Periodic CSI Reporting in Carrier Aggregation
24	MTKI-12-051PCT-EP-FR				
25	MTKI-12-079PCT-EP-FR	EP 12779714.1	2598660	2012-05-04	CELL RADIO LINK MONITORING AND RADIO LINK FAILURE HANDLING
26	MTKI-12-138PCT-EP-2-FR	16162438.1	3057372	2012-06-22	SYSTEMS AND METHODS FOR DIFFERENT TDD CONFIGURATIONS IN CARRIER AGGREGATION
27	MTKI-12-174PCT-EP-FR	EP 12807892.4		2012-07-05	SYSTEM AND METHOD FOR INDICATING LOCAL IP ACCESS SUPPORT VIA NAS SIGNALING
28	MTKI-12-190PCT-EP-FR				
29	MTKI-12-238PCT-EP-FR	EP12847724.7	EP2661923B1	2012-11-07	MINIMIZATION OF DRIVE TESTS FOR UPLINK LINK COVERAGE
30	MTKI-12-243EP-FR	EP 13006891.1	EP2579872	2012-10-04	ENHANCEMENT FOR SCHEDULING REQUEST TRIGGERING BASED ON TRAFFIC CONDITION
31	MTKI-12-247EP-FR	EP 12006853.6	EP2679671B1	2012-10-04	METHODS FOR UE INDICATING TRAFFIC-RELATED INFORMATION TO
32	MTKI-13-013PCT-EP-FR	EP13744075.6	EP2671394B1	2013-02-04	METHODS AND APPARATUS FOR COLLECTING AND PROVIDING DIVERSE TRAFFIC INFORMATION IN CELLULAR NETWORKS
33	MTKI-13-037PCT-EP-FR				METHOD FOR SEARCH SPACE CONFIGURATION OF ENHANCED PHYSICAL DOWNLINK CONTROL CHANNEL
34	MTKI-13-060PCT-EP-FR	EP13764115.5	EP2688622	2013-03-22	Methods for Multi-point carrier aggregation configuration and data forwarding

35	MTKI-13-081PCT-EP-FR				METHODS FOR PHYSICAL LAYER MULTI-POINT CARRIER AGGREGATION AND MULTI-POINT FEEDBACK CONFIGURATION
36	MTKI-13-081PCT-EP-FR	EP13754094.2	EP2659616B1	2013-03-22	Methods for Physical layer Multi-point carrier aggregation and multi-point feedback configuration
37	MTKI-13-098PCT-EP-FR	EP13790054.5	2708075	2013-05-18	ENHANCED UE DATA TRANSMISSION FOR POWER CONSUMPTION OPTIMIZATION
38	MTKI-13-175PCT-EP-FR	14740544.3	EP2805559B2	2014-01-17	METHOD AND SYSTEM FOR DYNAMIC ADAPTATION OF TDD
39	MTKI-13-198PCT-EP-FR	13864671.0	EP2763529B2	2013-11-14	RADIO LINK FAILURE REPORT EXTENSIONS IN MOBILE COMMUNICATION NETWORKS
40	MTKI-14-047PCT-EP-FR				MAXIMUM OUTPUT POWER CONFIGURATION WITH UE PREFERENCE IN CARRIER AGGREGATION
41	MTKI-14-148PCT-EP-FR	EP14794398.10	EP2856815B1	2014-05-13	LONG PAGING CYCLE AND PAGING ENHANCEMENT FOR POWER SAVING LTE DEVICES
42	MTKI-14-151PCT-EP-FR	EP14795068.7	EP2856816B1	2014-05-12	CELL RESELECTION ENHANCEMENT FOR POWER SAVING LTE DEVICES
43	MTKI-14-261PCT-EP-FR				TIMING RELATION OF TPC COMMAND AND UE TRANSMIT POWER ADJUSTMENT IN ADAPTIVE TDD SYSTEMS
44	MTKI-14-493PCT-EP-FR				
45	MUSI-14-045PCT-EP-FR	15690220.5		2015-04-28	Robust Mobility Schemes in mmWave Small Cell

July - 28					
No.	MTK Number	App. No.	Patent No.	Filed Date	App Title
1	MTKI-09-027PCT-EP-IT	09741711.7	EP2274547B2	2010-10-06	METHOD OF NETWORK ENTRY IN OFDM MULTI-CARRIER WIRELESS COMMUNICATIONS SYSTEMS
2	MTKI-09-072PCT-EP-IT	09793846.8	EP2298025B1	2009-07-07	METHODS FOR SCANNING NEIGHBOR BASE STATIONS AND COMMUNICATION APPARATUSES UTILIZING THE SAME
3	MTKI-09-087PCT-EP-IT	09793847.6	EP2298007B1	2009-07-07	METHOD OF ESTABLISHING SLEEP MODE OPERATION FOR BROADBAND WIRELESS COMMUNICATIONS SYSTEMS
4	MTKI-09-126PCT-EP-IT	09811066.2	EP2331915B2	2009-09-04	POWER MANAGEMENT FOR MULTI-CARRIER TRANSMISSION
5	MTKI-09-144PCT-EP-IT	EP09823091.6	EP2342927B1	2009-10-30	DOWNLINK NETWORK SYNCHRONIZATION MECHANISM FOR FEMTOCELL IN CELLULAR OFDM SYSTEMS
6	MTKI-10-015PCT-EP-IT	10748325.7	EP2404420B1	2010-03-02	METHOD AND APPARATUS FOR COMMUNICATING CARRIER CONFIGURATION IN MULTI-CARRIER OFDM SYSTEMS
7	MTKI-10-085PCT-EP-IT	EP 10846595.7	EP2441288B1	2010-12-21	UPLINK POWER CONTROL MESSAGE DESIGN IN WIRELESS OFDMA SYSTEMS
8	MTKI-11-091PCT-EP-IT	EP 11796292.8	EP2553517	2011-08-20	METHOD FOR COORDINATING TRANSMISSIONS BETWEEN DIFFERENT COMMUNICATIONS APPARATUSES AND COMMUNICATION APPARATUSES UTILIZING THE SAME

9	MTKI-11-093PCT-EP-IT	EP11795199.5	EP243878982	2011-06-20	RESOURCE ALLOCATION OF UPLINK HARQ FEEDBACK CHANNEL FOR CARRIER AGGREGATION IN OFDMA SYSTEMS
10	MTKI-11-093PCT-EP-IT	EP 11795200.2	EP243870281	2011-06-20	UPLINK HARQ FEEDBACK CHANNEL DESIGN FOR CARRIER AGGREGATION IN OFDMA SYSTEMS
11	MTKI-11-128PCT-EP-IT	EP 11809292.3	EP246804281	2011-07-21	Methods for wireless communication in a device with co-existence radio
12	MTKI-11-186PCT-EP-IT	EP 11837588.0	EP250802282	2011-11-03	METHOD OF MDT INFORMATION LOGGING AND REPORTING
13	MTKI-11-221PCT-EP-IT	EP 12734337.4	EP2620016	2012-01-10	METHOD FOR DETERMINING AN INSTANCE FOR PERFORMING A CHANNEL STATE INFORMATION MEASUREMENT AND COMMUNICATIONS APPARATUSES UTILIZING THE SAME
14	MTKI-11-278PCT-EP-IT	EP 12732487.8	EP266192182	2012-01-06	POWER CONTROL METHOD TO MITIGATE INTERFERENCE FOR IN-DEVICE COEXISTENCE
15	MTKI-11-278PCT-EP-IT				MEASUREMENT GAP CONFIGURATION IN WIRELESS COMMUNICATION SYSTEMS WITH CARRIER AGGREGATION
16	MTKI-12-021PCT-EP-IT	EP 12760195.8	EP260180581	2012-03-31	FAILURE EVENT REPORT CORRELATION FOR DISTRIBUTED RAN SELF-ORGANIZATION
17	MTKI-12-051PCT-EP-IT				
18	MTKI-12-079PCT-EP-IT	EP 12779714.3	2598662	2012-05-06	SCELL RADIO LINK MONITORING AND RADIO LINK FAILURE HANDLING
19	MTKI-12-118PCT-EP-IT	EP 12803405.5	EP260689781	2012-06-21	METHODS FOR DIFFERENT TDD CONFIGURATIONS IN CARRIER AGGREGATION
20	MTKI-12-238PCT-EP-IT	EP12847724.7	EP266192381	2012-11-07	MINIMIZATION OF DRIVE TESTS FOR UPLINK LINK COVERAGE
21	MTKI-12-243EP-IT	EP 12006891.1	EP2579872	2012-10-04	ENHANCEMENT FOR SCHEDULING REQUEST TRIGGERING BASED ON TRAFFIC CONDITION
22	MTKI-13-037PCT-EP-IT				METHOD FOR SEARCH SPACE CONFIGURATION OF ENHANCED PHYSICAL DOWNLINK CONTROL CHANNEL
23	MTKI-13-058PCT-EP-IT	EP13764115.5	EP2888622	2013-03-22	Methods for Multi-point carrier aggregation configuration and data forwarding
24	MTKI-13-081PCT-EP-IT				METHODS FOR PHYSICAL LAYER MULTI-POINT CARRIER AGGREGATION AND MULTI-POINT FEEDBACK CONFIGURATION
25	MTKI-13-081PCT-EP-IT	EP13764094.2	EP289961881	2013-03-22	Methods for Physical layer Multi-point carrier aggregation and multi-point feedback configuration
26	MTKI-13-138PCT-EP-IT	13854571.0	EP278352982	2013-11-14	RADIO LINK FAILURE REPORT EXTENSIONS IN MOBILE COMMUNICATION NETWORKS
27	MTKI-14-148PCT-EP-IT	EP14794388.12	EP285681581	2014-05-15	LONG PAGING CYCLE AND PAGING ENHANCEMENT FOR POWER SAVING LTE DEVICES
28	MTKI-14-261PCT-EP-IT				TIMING RELATION OF TPC COMMAND AND UE TRANSMIT POWER ADJUSTMENT IN ADAPTIVE TDD SYSTEMS

Spain : 27

No.	MTKNumber	App. No.	Patent No.	Filed Date	App Title
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1	MTKI-09-027PCT-EP-ES	09741711.7	EP2274947B2	2010-10-08	METHOD OF NETWORK ENTRY IN OFDM MULTI-CARRIER WIRELESS COMMUNICATIONS SYSTEMS
2	MTKI-09-072PCT-EP-ES	09793846.8	EP2298025B1	2009-07-07	METHODS FOR SCANNING NEIGHBOR BASE STATIONS AND
3	MTKI-09-087PCT-EP-ES	09793847.6	EP2298007B1	2009-07-07	METHOD OF ESTABLISHING SLEEP MODE OPERATION FOR BROADBAND WIRELESS COMMUNICATIONS SYSTEMS
4	MTKI-09-126PCT-EP-ES	09811096.2	EP2321915B2	2009-09-04	POWER MANAGEMENT FOR MULTI-CARRIER TRANSMISSION
5	MTKI-09-144PCT-EP-ES	EP09823091.5	EP2342927B1	2009-10-30	DOWNLINK NETWORK SYNCHRONIZATION MECHANISM FOR FEMTOCELL IN CELLULAR OFDM SYSTEMS
6	MTKI-10-085PCT-EP-ES	EP 10845595.7	EP2441298B1	2010-12-21	UPLINK POWER CONTROL MESSAGE DESIGN IN WIRELESS OFDMA SYSTEMS
7	MTKI-11-091PCT-EP-ES	EP 11796202.8	EP2583517	2011-06-20	METHOD FOR COORDINATING TRANSMISSIONS BETWEEN DIFFERENT COMMUNICATIONS APPARATUSES AND COMMUNICATION APPARATUSES UTILIZING THE SAME
8	MTKI-11-093PCT-1-EP-ES	EP11796199.6	EP2438789B2	2011-06-20	RESOURCE ALLOCATION OF UPLINK HARQ FEEDBACK CHANNEL FOR CARRIER AGGREGATION IN OFDMA SYSTEMS
9	MTKI-11-093PCT-EP-ES	EP 11796200.2	EP2438702B1	2011-06-20	UPLINK HARQ FEEDBACK CHANNEL DESIGN FOR CARRIER AGGREGATION IN OFDMA SYSTEMS
10	MTKI-11-129PCT-EP-ES	EP 11809292.3	EP2468042B1	2011-07-21	Methods for wireless communication in a device with co-existence radio
11	MTKI-11-179PCT-EP-ES	EP 11826150.0	EP2497000B1	2011-09-30	INDICATION OF USER EQUIPMENT TRANSMIT POWER CAPACITY IN CARRIER AGGREGATION
12	MTKI-11-186PCT-EP-ES	EP 11837588.0	EP2508022B2	2011-11-03	METHOD OF MDT INFORMATION LOGGING AND REPORTING
13	MTKI-11-221PCT-EP-ES	EP 12734337.4	EP2620016	2012-01-10	METHOD FOR DETERMINING AN INSTANCE FOR PERFORMING A CHANNEL STATE INFORMATION MEASUREMENT AND COMMUNICATIONS APPARATUSES UTILIZING THE SAME
14	MTKI-11-278PCT-EP-ES	EP 12732487.9	EP2661921B2	2012-01-08	POWER CONTROL METHOD TO MITIGATE INTERFERENCE FOR IN-DEVICE COEXISTENCE
15	MTKI-12-021PCT-EP-ES	EP 12766186.6	EP2601805B1	2012-03-31	FAILURE EVENT REPORT CORRELATION FOR DISTRIBUTED RAN SELF-ORGANIZATION
16	MTKI-12-051PCT-EP-ES				
17	MTKI-12-079PCT-EP-ES	EP 12779714.5	2596664	2012-05-08	SCELL RADIO LINK MONITORING AND RADIO LINK FAILURE HANDLING
18	MTKI-12-118PCT-EP-ES	EP 12903406.5	EP2906697B1	2012-08-21	METHODS FOR DIFFERENT TDD CONFIGURATIONS IN CARRIER AGGREGATION
19	MTKI-12-130PCT-EP-ES	EP12847724.7	EP2661923B1	2012-11-07	MINIMIZATION OF DRIVE TESTS FOR UPLINK LINK COVERAGE
20	MTKI-12-248EP-ES	EP 12006891.1	EP2579672	2012-10-04	ENHANCEMENT FOR SCHEDULING REQUEST TRIGGERING BASED ON TRAFFIC CONDITION
21	MTKI-13-037PCT-EP-ES				METHOD FOR SEARCH SPACE CONFIGURATION OF ENHANCED PHYSICAL DOWNLINK CONTROL CHANNEL
22	MTKI-13-060PCT-EP-ES	EP13764115.5	EP2689822	2013-03-22	Methods for Multi-point carrier aggregation configuration and data forwarding

23	MTKI-13-081PCT-EP-ES				METHODS FOR PHYSICAL LAYER MULTI-POINT CARRIER AGGREGATION AND MULTI-POINT FEEDBACK CONFIGURATION
24	MTKI-13-081PCT-EP-ES	EP13784094.2	EP2686618B1	2013-03-22	Methods for Physical layer Multi-point carrier aggregation and multi-point feedback configuration
25	MTKI-13-198PCT-EP-ES	13864571.0	EP2783529B2	2013-11-14	RADIO LINK FAILURE REPORT EXTENSIONS IN MOBILE COMMUNICATION NETWORKS
26	MTKI-14-148PCT-EP-ES	EP14794398.14	EP2856815B1	2014-05-17	LONG PAGING CYCLE AND PAGING ENHANCEMENT FOR POWER SAVING LTE DEVICES
27	MTKI-14-361PCT-EP-ES				TIMING RELATION OF TPC COMMAND AND UE TRANSMIT POWER ADJUSTMENT IN ADAPTIVE TDD SYSTEMS

Netherlands - 27					
No.	MTK Number	App. No.	Patent No.	Filed Date	App Title
1	MTKI-08-318PCT-EP-NL	06718108.5	EP2255476B1	2006-03-08	COOPERATING TIMER AND RETRANSMISSION COUNTER FOR BUFFER MANAGEMENT IN A HARQ WIRELESS NETWORK
2	MTKI-09-027PCT-EP-NL	08741711.7	EP2274947B2	2010-10-06	METHOD OF NETWORK ENTRY IN OFDM MULTI-CARRIER WIRELESS COMMUNICATIONS SYSTEMS
3	MTKI-09-072PCT-EP-NL	09793646.5	EP2296025B1	2009-07-07	METHODS FOR SCANNING NEIGHBOR BASE STATIONS AND
4	MTKI-09-087PCT-EP-NL	09793847.6	EP2298007B1	2009-07-07	METHOD OF ESTABLISHING SLEEP MODE OPERATION FOR BROADBAND WIRELESS COMMUNICATIONS SYSTEMS
5	MTKI-09-126PCT-EP-NL	09811056.2	EP2321815B2	2009-09-04	POWER MANAGEMENT FOR MULTI-CARRIER TRANSMISSION
6	MTKI-09-144PCT-EP-NL	EP09923091.5	EP2342927B1	2009-10-30	DOWNLINK NETWORK SYNCHRONIZATION MECHANISM FOR FEMTOCELL IN CELLULAR OFDM SYSTEMS
7	MTKI-10-018PCT-EP-NL	10748325.7	EP2464420B1	2010-03-02	METHOD AND APPARATUS FOR COMMUNICATING CARRIER CONFIGURATION IN MULTI-CARRIER OFDM SYSTEMS
8	MTKI-10-085PCT-EP-NL	EP 10849896.7	EP2441298B1	2010-12-21	UPLINK POWER CONTROL MESSAGE DESIGN IN WIRELESS OFDMA SYSTEMS
9	MTKI-11-091PCT-EP-NL	EP 11786302.8	EP2683517	2011-06-20	METHOD FOR COORDINATING TRANSMISSIONS BETWEEN DIFFERENT COMMUNICATIONS APPARATUSES AND COMMUNICATION APPARATUSES UTILIZING THE SAME
10	MTKI-11-093PCT-1-EP-NL	EP11795199.6	EP2438789B2	2011-06-20	RESOURCE ALLOCATION OF UPLINK HARQ FEEDBACK CHANNEL FOR CARRIER AGGREGATION IN OFDMA SYSTEMS
11	MTKI-11-093PCT-EP-NL	EP 11795200.2	EP2438792B1	2011-06-20	UPLINK HARQ FEEDBACK CHANNEL DESIGN FOR CARRIER AGGREGATION IN OFDMA SYSTEMS
12	MTKI-11-129PCT-EP-NL	EP 11809292.3	EP2468042B1	2011-07-21	Methods for wireless communication in a device with co-existence radio
13	MTKI-11-179PCT-EP-NL	EP 11828180.0	EP2487090B1	2011-09-30	INDICATION OF USER EQUIPMENT TRANSMIT POWER CAPACITY IN CARRIER AGGREGATION

14	MTKI-11-186PCT-EP-NL	EP 11837588.0	EP250802282	2011-11-03	METHOD OF MDT INFORMATION LOGGING AND REPORTING
15	MTKI-11-121PCT-EP-NL	EP 12734337.4	EP2820016	2012-01-10	METHOD FOR DETERMINING AN INSTANCE FOR PERFORMING A CHANNEL STATE INFORMATION MEASUREMENT AND COMMUNICATIONS APPARATUSES UTILIZING THE SAME
16	MTKI-11-228PCT-EP-NL	EP 12732487.9	EP288192182	2012-01-08	POWER CONTROL METHOD TO MITIGATE INTERFERENCE FOR IN-DEVICE COEXISTENCE
17	MTKI-12-021PCT-EP-NL	EP 12768195.8	EP2801805B1	2012-03-31	FAILURE EVENT REPORT CORRELATION FOR DISTRIBUTED RAN SELF-ORGANIZATION
18	MTKI-12-051PCT-EP-NL				
19	MTKI-12-079PCT-EP-NL	EP 12779714.4	2596663	2012-08-07	CELL RADIO LINK MONITORING AND RADIO LINK FAILURE HANDLING
20	MTKI-12-118PCT-EP-NL	EP 12803405.5	EP2308697B1	2012-06-21	METHODS FOR DIFFERENT TDD CONFIGURATIONS IN CARRIER AGGREGATION
21	MTKI-12-238PCT-EP-NL	EP12847724.7	EP2881923B1	2012-11-07	MINIMIZATION OF DRIVE TESTS FOR UPLINK LINK COVERAGE
22	MTKI-12-243EP-NL	EP 12006881.1	EP2878672	2012-10-04	ENHANCEMENT FOR SCHEDULING REQUEST TRIGGERING BASED ON TRAFFIC CONDITION
23	MTKI-13-037PCT-EP-NL				METHOD FOR SEARCH SPACE CONFIGURATION OF ENHANCED PHYSICAL DOWNLINK CONTROL CHANNEL
24	MTKI-13-060PCT-EP-NL	EP13764115.5	EP2889622	2013-03-22	Methods for Multi-point carrier aggregation configuration and data forwarding
25	MTKI-13-196PCT-EP-NL	13854871.0	EP2783529B2	2013-11-14	RADIO LINK FAILURE REPORT EXTENSIONS IN MOBILE COMMUNICATION NETWORKS
26	MTKI-14-148PCT-EP-NL	EP14784398.13	EP2866815B1	2014-08-16	LONG PAGING CYCLE AND PAGING ENHANCEMENT FOR POWER SAVING LTE DEVICES
27	MTKI-14-261PCT-EP-NL				TIMING RELATION OF TPC COMMAND AND UE TRANSMIT POWER ADJUSTMENT IN ADAPTIVE TDD SYSTEMS

Switzerland : 1

No.	MTK Number	App. No.	Patent No.	Filed Date	App Title
1	MTKI-09-087PCT-EP-CH	09793647.8	EP2298007B1	2009-07-07	METHOD OF ESTABLISHING SLEEP MODE OPERATION FOR BROADBAND WIRELESS COMMUNICATIONS SYSTEMS

Sweden : 12

No.	MTK Number	App. No.	Patent No.	Filed Date	App Title
1	MTKI-10-018PCT-EP-SE	10748325.7	EP2404420B1	2010-03-02	METHOD AND APPARATUS FOR COMMUNICATING CARRIER CONFIGURATION IN MULTI-CARRIER OFDM SYSTEMS
2	MTKI-11-091PCT-EP-SE	EP 11795202.8	EP2583517	2011-06-20	METHOD FOR COORDINATING TRANSMISSIONS BETWEEN DIFFERENT COMMUNICATIONS APPARATUSES AND COMMUNICATION APPARATUSES UTILIZING THE SAME
3	MTKI-11-186PCT-EP-SE	EP 11837588.0	EP250802282	2011-11-03	METHOD OF MDT INFORMATION LOGGING AND REPORTING

4	MTKI-11-221PCT-EP-SE	EP 12734337.4	EP2620016	2012-01-10	METHOD FOR DETERMINING AN INSTANCE FOR PERFORMING A CHANNEL STATE INFORMATION MEASUREMENT AND COMMUNICATIONS APPARATUSES UTILIZING THE SAME
5	MTKI-11-278PCT-EP-SE	EP 12732487.9	EP2661921B2	2012-01-06	POWER CONTROL METHOD TO MITIGATE INTERFERENCE FOR IN-DEVICE COEXISTENCE
6	MTKI-12-051PCT-EP-SE				
7	MTKI-12-079PCT-EP-SE	EP 12779714.6	2596665	2012-05-09	CELL RADIO LINK MONITORING AND RADIO LINK FAILURE HANDLING
8	MTKI-13-037PCT-EP-SE				METHOD FOR SEARCH SPACE CONFIGURATION OF ENHANCED PHYSICAL DOWNLINK CONTROL CHANNEL
9	MTKI-13-081PCT-EP-1SE				METHODS FOR PHYSICAL LAYER MULTI-POINT CARRIER AGGREGATION AND MULTI-POINT FEEDBACK CONFIGURATION
10	MTKI-13-081PCT-EP-SE	EP13764094.2	EP2689618B1	2013-03-22	Methods for Physical layer Multi-point carrier aggregation and multi-point feedback configuration
11	MTKI-13-198PCT-EP-SE	13854571.0	EP2783629B2	2013-11-14	RADIO LINK FAILURE REPORT EXTENSIONS IN MOBILE COMMUNICATION NETWORKS
12	MTKI-14-261PCT-EP-SE				TIMING RELATION OF TPC COMMAND AND UE TRANSMIT POWER ADJUSTMENT IN ADAPTIVE TDD SYSTEMS

Finland : 1					
No.	MTK Number	App. No.	Patent No.	Filed Date	App Title
1	MTKI-12-021PCT-EP-FI	EP 12785195.8	EP2601808B1	2012-03-31	FAILURE EVENT REPORT CORRELATION FOR DISTRIBUTED RAN SELF-ORGANIZATION

Hungary : 1					
No.	MTK Number	App. No.	Patent No.	Filed Date	App Title
1	MTKI-09-087PCT-EP-HU	09793847.5	EP2298007B1	2009-07-07	METHOD OF ESTABLISHING SLEEP MODE OPERATION FOR BROADBAND WIRELESS COMMUNICATIONS SYSTEMS

Nigeria : 1					
No.	MTK Number	App. No.	Patent No.	Filed Date	App Title
1	MTKI-15-517PCT-NG				Signal Design and Demodulation for Multiuser Superposition Transmission Scheme

European Patent : 145					
No.	MTK Number	App. No.	Patent No.	Filed Date	App Title
1	MTKI-09-087PCT-EP	09793847.5	EP2298007B1	2009-07-07	METHOD OF ESTABLISHING SLEEP MODE OPERATION FOR BROADBAND WIRELESS COMMUNICATIONS SYSTEMS

2	MTRK-09-093PCT-EP	09793848.4		2009-07-07	METHOD AND APPARATUS OF DATA TRANSMISSION OVER GUARD SUB-CARRIERS IN MULTI-CARRIER OFDM SYSTEMS
3	MTRK-09-126PCT-EP-1	15192841.1		2009-09-04	POWER MANAGEMENT FOR MULTI-CARRIER TRANSMISSION
4	MTRK-09-165PCT-EP	09831481.8		2009-12-11	UNIFIED SYNCHRONOUS RANGING CHANNEL DESIGN AND ALLOCATION IN WIRELESS OFDMA SYSTEMS
5	MTRK-10-192PCT-EP	EP 10831135.8		2010-11-17	NETWORK-BASED POSITIONING MECHANISM AND REFERENCE SIGNAL DESIGN IN OFDMA SYSTEMS
6	MTRK-10-223PCT-EP	EP 10840598.8		2010-12-30	MEASUREMENT AND CARRIER GROUP BASED OPTIMIZATION IN WIRELESS OFDM MULTI-CARRIER COMMUNICATION SYSTEMS
7	MTRK-11-024PCT-EP-1	17182929.7		2011-03-14	METHOD OF MULTI-RADIO INTERWORKING IN HETEROGENEOUS WIRELESS COMMUNICATION NETWORKS
8	MTRK-11-045PCT-EP	EP 11762022.9		2011-04-02	METHODS FOR CARRIER AGGREGATION
9	MTRK-11-091PCT-EP-1	17187443.5		2011-06-20	METHOD FOR COORDINATING TRANSMISSIONS BETWEEN DIFFERENT COMMUNICATIONS APPARATUSES AND
10	MTRK-11-091PCT-EP-3	17187337.8		2011-06-20	METHOD FOR COORDINATING TRANSMISSIONS BETWEEN DIFFERENT COMMUNICATIONS APPARATUSES AND
11	MTRK-11-100PCT-EP	EP 11798201.0		2011-06-20	SYSTEM AND METHOD FOR COORDINATING MULTIPLE RADIO TRANSCEIVERS WITHIN THE SAME DEVICE PLATFORM
12	MTRK-11-105PCT-EP	EP 11837590.6		2011-11-03	SOUNDING MECHANISM AND CONFIGURATION UNDER CARRIER AGGREGATION
13	MTRK-11-129PCT-EP	EP 11809282.3	EP2468042B1	2011-07-21	Methods for wireless communication in a device with co-existence radio
14	MTRK-11-150PCT-EP	EP 11816122.3	2481204	2011-08-12	METHOD OF IN-DEVICE INTERFERENCE MITIGATION FOR CELLULAR, BLUETOOTH, WIFI, AND SATELLITE SYSTEMS COEXISTENCE
15	MTRK-11-152PCT-EP	EP 11816118.9		2011-08-12	Method to Trigger In-Device Coexistence Interference Mitigation in Mobile Cellular Systems
16	MTRK-11-179PCT-EP-1			2011-09-30	INDICATION OF USER EQUIPMENT TRANSMIT POWER CAPACITY IN CARRIER AGGREGATION
17	MTRK-11-216PCT-EP	EP 11840640.4		2011-11-08	METHOD FOR UE PATTERN INDICATION AND MEASUREMENT FOR INTERFERENCE COORDINATION
18	MTRK-11-225PCT-EP-1	17152813.6		2011-11-11	METHODS FOR CONFIGURING CHANNEL STATE INFORMATION MEASUREMENT IN A COMMUNICATIONS SYSTEM AND COMMUNICATIONS APPARATUSES UTILIZING THE SAME
19	MTRK-11-279PCT-EP	EP 12733886.1		2012-01-10	MEASUREMENT GAP CONFIGURATION IN WIRELESS COMMUNICATION SYSTEMS WITH CARRIER AGGREGATION
20	MTRK-11-280PCT-EP	EP12744196.2	2564543	2012-02-10	METHOD OF UW RSRQ MEASUREMENT PRECUATION FOR INTERFERENCE COORDINATION
21	MTRK-11-281PCT-EP	EP12744343.9		2012-02-10	METHOD FOR CENTRALIZING MDT USER INVOLVEMENT



22	MTKI-12-004PCT-EP	EP12746497.2		2012-02-15	Priority Rules of Periodic CSI Reporting in Carrier Aggregation
23	MTKI-12-050PCT-EP	EP 12763712.2		2012-03-31	METHODS OF MAINTAINING MULTIPLE TIMING ADVANCE
24	MTKI-12-051PCT-EP	EP 12762742.0		2012-03-31	SIGNALING DESIGN TO SUPPORT IN-DEVICE COEXISTENCE INTERFERENCE AVOIDANCE
25	MTKI-12-079PCT-EP	EP 12779714.0	2596689	2012-05-03	SCELL RADIO LINK MONITORING AND RADIO LINK FAILURE HANDLING
26	MTKI-12-098PCT-EP	EP 12779887.0		2012-05-04	SIGNALING METHODS FOR UE-SPECIFIC DYNAMIC DOWNLINK SCHEDULER IN OFDMA SYSTEMS
27	MTKI-12-118PCT-EP	EP 12803406.6	EP2606697B1	2012-06-21	METHODS FOR DIFFERENT TDD CONFIGURATIONS IN CARRIER AGGREGATION
28	MTKI-12-118PCT-EP-1	16162438.2		2012-06-21	SYSTEMS AND METHODS FOR DIFFERENT TDD CONFIGURATIONS IN CARRIER AGGREGATION
29	MTKI-12-118PCT-EP-2	16162439.0	3057371	2012-06-21	SYSTEMS AND METHODS FOR DIFFERENT TDD CONFIGURATIONS IN CARRIER AGGREGATION
30	MTKI-12-149PCT-EP	EP 12807425.9		2012-07-05	SYSTEM AND METHOD FOR INDICATING LOCAL IP ACCESS
31	MTKI-12-151PCT-EP	EP 12821775.8		2012-08-10	METHOD FOR SMALL CELL DISCOVERY IN HETEROGENEOUS NETWORK
32	MTKI-12-159PCT-EP	EP 12824371.4		2012-08-10	METHOD TO INDICATE MBMS RECEPTION STATUS TO ENABLE SERVICE CONTINUITY
33	MTKI-12-161PCT-EP	EP 12821983.9		2012-08-10	METHOD AND APPARATUS FOR MANAGING ACCESS TO USER EQUIPMENT EVENT INFORMATION
34	MTKI-12-174PCT-EP	EP 12807692.4		2012-07-05	SYSTEM AND METHOD FOR INDICATING LOCAL IP ACCESS SUPPORT VIA NAS SIGNALING
35	MTKI-12-178PCT-EP	EP 12823733.6		2012-08-16	ENHANCED ACCESS CONTROL IN LTE ADVANCED SYSTEMS
36	MTKI-12-190PCT-EP	EP 12821398.0		2012-08-10	METHODS OF POINT ASSOCIATION FOR COOPERATIVE MULTIPLE POINT TRANSMISSION
37	MTKI-12-213PCT-EP	EP 12838835.2		2012-09-29	SUPPORT OF NETWORK BASED POSITIONING BY SOUNDING REFERENCE SIGNAL
38	MTKI-12-244PCT-EP	EP 12843726.2		2012-10-25	TRANSMITTER ASSISTED QUALITY OF SERVICE MEASUREMENT
39	MTKI-12-247EP-1	17175724.8		2012-10-04	UE Indication of traffic related information
40	MTKI-12-311PCT-EP	EP13738352.7		2013-01-18	LOCATION OPTION CONTROL FOR MINIMIZATION OF DRIVE TEST IN LTE SYSTEMS
41	MTKI-12-312PCT-1-EP	EP13739118.9		2013-01-18	METHOD OF ENHANCED CONNECTION RECOVERY AND LOSS-LESS DATA RECOVERY
42	MTKI-12-312PCT-EP	13738689.1		2013-01-18	METHOD OF ENHANCED CONNECTION RECOVERY AND CELL SELECTION
43	MTKI-13-013PCT-1-EP	EP13744133.3		2013-02-04	METHODS AND APPARATUS FOR COLLECTING AND PROVIDING DIVERSE TRAFFIC INFORMATION IN CELLULAR NETWORKS
44	MTKI-13-026PCT-EP	EP13781407.8		2013-03-15	PHYSICAL STRUCTURE AND REFERENCE SIGNAL UTILIZATION OF ENHANCED PHYSICAL DOWNLINK CONTROL CHANNEL FOR OFDM/OFDMA SYSTEMS
45	MTKI-13-037PCT-EP	EP13764895.2		2013-03-21	METHOD FOR SEARCH SPACE CONFIGURATION OF ENHANCED PHYSICAL DOWNLINK CONTROL CHANNEL

46	MTKI-13-060PCT-EP-1	17159908.7		2013-03-22	Methods for Multi-point carrier aggregation configuration and data forwarding
47	MTKI-13-061PCT-EP	EP13764412.5		2013-03-22	METHODS AND APPARATUS OF ALLOCATING SCHEDULING REQUEST RESOURCES IN MOBILE COMMUNICATION NETWORKS
48	MTKI-13-078PCT-EP	EP13785074.9		2013-04-27	USER EQUIPMENT ENHANCEMENT FOR DIVERSE DATA APPLICATION
49	MTKI-13-081PCT-EP-1	15187227.2		2015-09-28	METHODS FOR PHYSICAL LAYER MULTI-POINT CARRIER AGGREGATION AND MULTI-POINT FEEDBACK CONFIGURATION
50	MTKI-13-098PCT-EP	EP13790064.4	2709074	2013-05-17	ENHANCED UE DATA TRANSMISSION FOR POWER CONSUMPTION OPTIMIZATION
51	MTKI-13-100PCT-EP	EP13792614.4		2013-05-22	USER EQUIPMENT ENHANCEMENT OF SERVICE RECOVERY IN MOBILE COMMUNICATION NETWORKS
52	MTKI-13-107PCT-EP	13823516.3		2013-07-25	METHOD OF EFFICIENT BLIND SCELL ACTIVATION
53	MTKI-13-160PCT-EP	EP14884449.1		2014-05-13	METHOD OF CALL SETUP TIME REDUCTION FOR VOICE OVER LTE
54	MTKI-13-167PCT-EP	13827306.7		2013-08-07	UE PREFERENCE INDICATION AND ASSISTANCE INFORMATION IN MOBILE COMMUNICATION NETWORKS
55	MTKI-13-177PCT-EP	EP13858817.7		2013-11-28	UE MEASUREMENT ENHANCEMENT IN ADAPTIVE TDD CONFIGURATION NETWORKS
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58	MTKI-13-350PCT-EP	14770880.3		2014-03-24	IDLE MODE RECEPTION FOR GROUP COMMUNICATION OVER LTE EMBMS
59	MTKI-13-351PCT-EP	14767755.3		2014-03-24	SERVICE CONTINUITY FOR GROUP COMMUNICATION OVER LTE EMBMS
60	MTKI-13-352PCT-EP	14770902.6		2014-03-24	RADIO RESOURCE EFFICIENT TRANSMISSION FOR GROUP COMMUNICATION OVER LTE EMBMS
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62	MTKI-14-016PCT-EP	15814371.5		2015-07-02	MOBILE COMMUNICATION DEVICES AND CONTEXT-BASED GEOFENCE CONTROL METHODS THEREOF
63	MTKI-14-047PCT-EP	14788118.8		2014-04-28	MAXIMUM OUTPUT POWER CONFIGURATION WITH UE PREFERENCE IN CARRIER AGGREGATION
64	MTKI-14-048PCT-EP	14785340.0		2014-05-03	METHODS FOR PREVENTING IN-DEVICE COEXISTENCE INTERFERENCE AND COMMUNICATIONS APPARATUS UTILIZING THE SAME
65	MTKI-14-139PCT-EP	14818086.4		2014-06-26	ENHANCED BROADCAST CHANNEL FOR PRIMARY SYSTEM INFORMATION ACQUISITION IN OFDM/CPDMA SYSTEMS
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67	MTKI-14-148PCT-EP-1	17183775.0		2014-05-12	LONG PAGING CYCLE AND PAGING ENHANCEMENT FOR POWER SAVING LTE DEVICES
68	MTKI-14-166PCT-EP	14826315.1		2014-07-03	TRAFFIC SHAPING MECHANISM FOR UE POWER SAVING IN CONNECTED MODE

69	MTKI-14-167PCT-EP	14820309.4		2014-07-03	TRAFFIC SHAPING MECHANISM FOR UE POWER SAVING IN IDLE MODE
70	MTKI-14-199PCT-EP	14847853.0		2014-09-26	UE ENHANCEMENT IN FDD-TDD JOINT OPERATION NETWORKS
71	MTKI-14-200PCT-EP	14834848.3		2014-08-05	DRX AND HARQ OPERATIONS IN ADAPTIVE TDD SYSTEMS
72	MTKI-14-235PCT-EP	EP14833854.4		2014-08-08	POWER HEADROOM REPORTING IN ADAPTIVE TDD SYSTEMS
73	MTKI-14-261PCT-EP	EP14833841.1		2014-08-08	TIMING RELATION OF TPC COMMAND AND UE TRANSMIT POWER ADJUSTMENT IN ADAPTIVE TDD SYSTEMS
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75	MTKI-14-280PCT-EP	14849887.8		2014-09-26	METHODS OF DISCOVERY AND MEASUREMENTS FOR SMALL CELLS IN OFDM/OFDMA SYSTEMS
76	MTKI-14-340PCT-EP	14848524.5		2014-09-26	METHODS OF DISCOVERY AND MEASUREMENTS FOR SMALL CELLS IN OFDM/OFDMA SYSTEMS
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80	MTKI-14-481PCT-EP	EP15737460.4		2015-01-16	METHOD TO SUPPORT SERVICE CONTINUITY FOR MULTIPLE SESSIONS
81	MTKI-14-493PCT-EP	15742843.6		2015-01-28	BSR AND LCP FOR DUAL CONNECTIVITY
82	MTKI-15-016PCT-EP	15743130.5		2015-01-29	METHOD OF OFFLOAD SELECTION IN HETEROGENEOUS WIRELESS COMMUNICATION NETWORKS
83	MTKI-15-042PCT-EP	15757999.6		2015-03-08	SMART CONGESTION CONTROL FOR RRC IDLE MODE IN LTE ADVANCED SYSTEMS
84	MTKI-15-065PCT-EP	15761083.3		2015-03-12	METHOD TO REDUCE SERVICE INTERRUPTION
85	MTKI-15-071PCT-EP	15788138.0		2015-03-06	SMART CONGESTION CONTROL FOR RRC CONNECTED MODE IN LTE ADVANCED SYSTEMS
86	MTKI-15-083PCT-EP	15770221.6		2015-03-27	METHOD OF DEVICE-ASSISTED ENHANCED SIM REPLACEMENT
87	MTKI-15-355PCT-EP	15845215.1		2015-09-25	RRC RE-ESTABLISHMENT ON SECONDARY ENODEB FOR DUAL CONNECTIVITY
88	MTKI-15-376PCT-EP	15841880.1		2015-09-16	METHOD AND APPARATUS OF ENHANCED BEARER CONTINUITY FOR 3GPP SYSTEM CHANGE
89	MTKI-15-413PCT-EP	15849289.2		2015-09-30	SIGNALING OF NETWORK-ASSISTED INTRA-CELL INTERFERENCE CANCELLATION AND SUPPRESSION
90	MTKI-15-441PCT-EP	16746147.4		2016-02-05	METHOD AND APPARATUS OF LWA PDU ROUTING
91	MTKI-15-442PCT-EP	16742773.1		2016-01-28	OFFLOADABILITY OF PDN CONNECTION FOR LTE-WLAN INTERWORKING CONTROL AND
92	MTKI-15-443PCT-EP	16742741.6		2016-01-26	MAXIMUM TRANSMISSION UNIT SIZE REPORTING USING AT COMMANDS
93	MTKI-15-444PCT-EP	16795861.0		2016-05-18	FINER CONTROL OF WLAN ASSOCIATION FOR NETWORK-CONTROLLED LTE/WLAN INTERNETWORKING

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95	MTKI-15-446PCT-EP	16742772.3		2016-01-28	RAN RULE AND CONDITION MATCH REPORTING FOR LTE-WLAN INTERWORKING CONTROL AND MANAGEMENT
96	MTKI-15-447PCT-EP	16742771.5		2016-01-28	RAN ASSISTANCE PARAMETER REPORTING FOR LTE-WLAN INTERWORKING CONTROL AND MANAGEMENT
97	MTKI-15-511PCT-EP			2016-08-04	METHODS OF ENABLING MULTIUSER SUPERPOSITION TRANSMISSION
98	MTKI-15-517PCT-EP			2016-06-15	Signal Design and Demodulation for Multiuser Superposition Transmission Scheme
99	MTKI-15-521PCT-EP	16764241.2		2016-03-16	METHODS OF BEACON TRANSMISSION FOR MEASUREMENTS IN OPPORTUNISTIC SPECTRUM ACCESS
100	MTKI-15-522PCT-EP	16779631.7		2016-04-15	METHODS OF LISTEN-BEFORE-TALK MECHANISM FOR OPPORTUNISTIC SPECTRUM ACCESS
101	MTKI-15-545PCT-EP	15878245.1		2015-12-30	RATE MATCHING AND SOFT CHANNEL BITS STORAGE FOR SUPERPOSITION CODING
102	MTKI-15-546PCT-EP	15878246.9		2015-12-30	SOFT BUFFER PARTITION FOR SUPERPOSITION CODING
103	MTKI-15-547PCT-EP	15875247.7		2015-12-30	SOFT PACKET COMBINING FOR SUPERPOSITION CODING
104	MTKI-15-548PCT-EP	15875248.5		2015-12-30	RESOURCE ALLOCATION FOR SUPERPOSITION CODING
105	MTKI-15-590PCT-EP	16764776.9		2016-02-26	UPLINK CONTENTION BASED MULTIPLE ACCESS FOR CELLULAR IOT
106	MTKI-15-591PCT-EP	16739812.2		2016-01-25	LTE RACH Procedure Enhancement
107	MTKI-15-608PCT-EP	16795952.8		2016-05-16	Method and apparatus of latency measurement for LTE-WLAN aggregation
108	MTKI-15-617PCT-EP	16742739.2		2016-01-28	MAXIMUM TRANSMISSION UNIT SIZE REPORTING AND DISCOVERY BY A USER EQUIPMENT
109	MTKI-15-619PCT-EP	16742633.7		2016-01-28	CONTROL CHANNEL AND DATA CHANNEL DESIGN FOR USER EQUIPMENT
110	MTKI-16-004PCT-EP	16742634.5		2016-01-28	METHODS TO SUPPORT MEASUREMENTS FOR USER EQUIPMENT
111	MTKI-16-015PCT-EP			2016-08-15	SIGNAL MODULATION AND DEMODULATION FOR MULTIUSER SUPERPOSITION TRANSMISSION SCHEME
112	MTKI-16-050PCT-EP			2016-05-12	Channel State Feedback Enhancement in Downlink Multiuser Superposition Transmission
113	MTKI-16-051PCT-EP			2016-05-12	USE OF DIFFERENT PRECODERS FOR SUPERPOSED SIGNALS IN DOWNLINK MULTIUSER SUPERPOSITION TRANSMISSION
114	MTKI-16-070PCT-EP	16778829.1		2016-04-15	METHODS OF LISTEN-BEFORE-TALK MECHANISM FOR OPPORTUNISTIC SPECTRUM ACCESS
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116	MTKI-16-140EP	16168895.6		2016-05-16	EFFICIENT DISCONTINUOUS RECEPTION IN A MOBILE NETWORK
117	MTKI-16-151PCT-EP			2016-09-26	ENHANCE AT COMMAND FOR BACKOFF TIMER CONTROL

118	MTKI-16-164PCT-EP			2016-07-20	MEASUREMENT ENHANCEMENTS FOR LTE SYSTEMS
119	MTKI-16-190PCT-EP			2016-08-19	A METHOD FOR LOAD REDISTRIBUTION IN MOBILE COMMUNICATION SYSTEMS
120	MTKI-16-199PCT-EP			2016-08-19	A METHOD OF HIGH-EFFICIENCY CONNECTED MODE CELL RESELECTION
121	MTKI-16-219PCT-EP			2016-08-30	METHOD OF ENHANCED TIMER HANDLING FOR SIM OR USIM CHANGE
122	MTKI-16-221PCT-EP			2016-11-07	EFFICIENT RELIABLE TRANSMISSION
123	MTKI-16-265PCT-EP			2016-11-04	RESOURCE ELEMENT MAPPING FOR INTERFERENCE CANCELLATION FRIENDLY NEW AIR INTERFACE
124	MTKI-16-303PCT-EP			2016-11-04	RATE ASSIGNMENT WITH RATE SPLITTING FOR INTERFERENCE CANCELLATION FRIENDLY NEW AIR INTERFACE
125	MTKI-16-304PCT-EP			2016-11-04	ASSISTANCE INFO AND UE FEEDBACK FOR INTERFERENCE CANCELLATION FRIENDLY NEW AIR INTERFACE
126	MTKI-16-355PCT-EP			2017-02-08	Multi-carrier Operation for NB-IOT
127	MTKI-16-356PCT-EP			2017-04-26	CONNECTED MODE DISCONTINUOUS RECEPTION FOR NARROW BAND INTERNET OF THINGS
128	MUSI-14-045PCT-EP	15890220.6		2015-04-28	Robust Mobility Schemes in mmWave Small Cell
129	MUSI-14-055PCT-EP	15890221.3		2015-04-28	A SPATIAL DIVERSITY SCHEME IN COMMUNICATION SYSTEMS OF BEAMFORMING
130	MUSI-15-087PCT-EP			2016-08-17	Methods of distributed control achieving fair radio resource access
131	MUSI-15-088PCT-EP	16742815.0		2016-02-01	Frame Structure and Data Mapping for License Assisted Access
132	MUSI-15-118PCT-EP			2016-05-16	Method and apparatus of User Plane Architecture for LWA
133	MUSI-15-119PCT-EP	16746148.2		2016-02-05	NETWORK SELECTION AND DATA AGGREGATION WITH LTE-WLAN AGGREGATION
134	MUSI-15-120PCT-EP	16795835.4		2016-05-13	QoS PROVISIONING FOR LTE-WLAN AGGREGATION
135	MUSI-16-011PCT-EP	16795843.6		2016-05-13	QoS PROVISIONING FOR LTE-WLAN AGGREGATION
136	MUSI-17-002PCT-1-EP			2017-03-31	The method of PAPR Reduction in eLAA
137	MUSI-17-002PCT-EP			2017-02-08	PEAK TO AVERAGE POWER RATIO REDUCTION IN ELAA
138	MUSI-17-003PCT-EP			2017-02-16	Channel access procedure for uplink LAA
139	MUSI-17-004PCT-EP			2017-03-31	System design for low latency communications and ultra-low latency communications
140	MUSI-17-010PCT-EP			2017-02-16	LISTEN BEFORE TALK CHANNEL ACCESS PROCEDURE FOR UPLINK LAA
141	MUSI-17-027PCT-EP			2017-04-01	Physical Random Access Channel Design in eLAA
142	MUSI-17-028PCT-EP			2017-04-01	Control Channel Design for eLAA
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Patent Cooperation Treaty :42

No.	MTK Number	App. No.	Patent No.	Filed Date	App Title
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1	MTKI-15-441PCT	PCT/CN2016/073581		2016-02-05	METHOD AND APPARATUS OF LWA PDU ROUTING
2	MTKI-15-443PCT	PCT/CN2016/072154		2016-01-26	MAXIMUM TRANSMISSION UNIT SIZE REPORTING USING AT COMMANDS
3	MTKI-15-444PCT	PCT/CN2016/082199		2016-05-16	FINER CONTROL OF WLAN ASSOCIATION FOR NETWORK-CONTROLLED LTE/ WLAN INTERNETWORKING
4	MTKI-15-445PCT	PCT/CN2016/072153		2016-01-26	CONTROL OF MAXIMUM TRANSMISSION UNIT SIZE DISCOVERY USING AT COMMANDS
5	MTKI-15-S11PCT	PCT/CN2016/093163		2016-08-04	METHODS OF ENABLING MULTIUSER SUPERPOSITION TRANSMISSION
6	MTKI-15-S17PCT	PCT/CN2016/095227		2016-08-15	SIGNAL MODULATION AND DEMODULATION FOR MULTIUSER SUPERPOSITION TRANSMISSION SCHEME
7	MTKI-15-S21PCT	PCT/CN2016/078433		2016-03-16	METHODS OF BEACON TRANSMISSION FOR MEASUREMENTS IN OPPORTUNISTIC SPECTRUM ACCESS
8	MTKI-15-S22PCT	PCT/CN2016/079493		2016-04-15	METHODS OF LISTEN-BEFORE-TALK MECHANISM FOR OPPORTUNISTIC SPECTRUM ACCESS
9	MTKI-15-S50PCT	PCT/CN2016/074660		2016-02-26	UPLINK CONTENTION BASED MULTIPLE ACCESS FOR CELLULAR IOT
10	MTKI-15-608PCT	PCT/CN2016/082204		2016-05-16	METHOD AND APPARATUS OF LATENCY MEASUREMENT FOR LTE-WLAN AGGREGATION
11	MTKI-15-617PCT	PCT/CN2016/072152		2016-01-26	MAXIMUM TRANSMISSION UNIT SIZE REPORTING AND DISCOVERY BY A USER EQUIPMENT
12	MTKI-15-015PCT	PCT/CN2016/095226		2016-08-15	SIGNAL MODULATION AND DEMODULATION FOR MULTIUSER SUPERPOSITION TRANSMISSION SCHEME
13	MTKI-16-050PCT	PCT/CN2016/081760		2016-05-12	CHANNEL STATE FEEDBACK ENHANCEMENT IN DOWNLINK MULTIUSER SUPERPOSITION TRANSMISSION
14	MTKI-16-051PCT	PCT/CN2016/081855		2016-05-12	USE OF DIFFERENT PRECODERS FOR SUPERPOSED SIGNALS IN DOWNLINK MULTIUSER SUPERPOSITION TRANSMISSION
15	MTKI-16-070PCT	PCT/CN2016/078471		2016-04-15	METHODS OF LISTEN-BEFORE-TALK MECHANISM FOR OPPORTUNISTIC SPECTRUM ACCESS
16	MTKI-16-089PCT	PCT/CN2016/082033		2016-05-13	RATE ADAPTATION FOR LTE-WLAN AGGREGATION
17	MTKI-16-151PCT	PCT/CN2016/100103		2016-09-28	ENHANCE AT COMMAND FOR BACKOFF TIMER CONTROL
18	MTKI-16-164PCT	PCT/CN2016/090616		2016-07-20	MEASUREMENT ENHANCEMENTS FOR LTE SYSTEMS
19	MTKI-16-150PCT	PCT/CN2016/095994		2016-08-19	A METHOD FOR LOAD REDISTRIBUTION IN MOBILE COMMUNICATION SYSTEMS
20	MTKI-16-199PCT	PCT/CN2016/095972		2016-08-19	A METHOD OF HIGH-EFFICIENCY CONNECTED MODE CELL RESELECTION
21	MTKI-16-210PCT	PCT/CN2016/101042		2016-09-30	POWER CONTROL SIGNALING FOR MULTIUSER SUPERPOSITION TRANSMISSION
22	MTKI-16-219PCT	PCT/CN2016/101044		2016-09-30	METHOD OF ENHANCED TIMER HANDLING FOR SIM OR USIM CHANGE
23	MTKI-16-321PCT	PCT/CN2016/104873		2016-11-07	A METHOD FOR EFFICIENT RELIABLE TRANSMISSION

24	MTKI-16-265PCT	PCT/CN2016/104623		2016-11-04	RESOURCE ELEMENT MAPPING FOR INTERFERENCE CANCELLATION FRIENDLY NEW AIR INTERFACE
25	MTKI-16-266PCT	PCT/CN2016/101217		2016-09-30	MULTIPLEXING DRS WITHIN A TRANSMISSION BURST FOR OPPORTUNISTIC SPECTRUM ACCESS
26	MTKI-16-303PCT	PCT/CN2016/104622		2016-11-04	RATE ASSIGNMENT WITH RATE SPLITTING FOR INTERFERENCE CANCELLATION FRIENDLY NEW AIR INTERFACE
27	MTKI-16-304PCT	PCT/CN2016/104664		2016-11-04	ASSISTANCE INFO AND UE FEEDBACK FOR INTERFERENCE CANCELLATION FRIENDLY NEW AIR INTERFACE
28	MTKI-16-355PCT	PCT/CN2017/072955		2017-02-06	MULTI-CARRIER OPERATION FOR NARROWBAND INTERNET OF THINGS
29	MTKI-16-356PCT	PCT/CN2017/082423		2017-04-28	CONNECTED MODE DISCONTINUOUS RECEPTION FOR NARROW BAND INTERNET OF THINGS
30	MUSI-14-045PCT	PCT/CN2015/077647		2015-04-28	ROBUST MOBILITY MEASUREMENTS AND INTER-CELL COORDINATION IN MMWAVE SMALL CELL
31	MUSI-15-087PCT	PCT/CN2016/095668		2016-08-17	METHODS OF DISTRIBUTED CONTROL ACHIEVING FAIR RADIO RESOURCE ACCESS
32	MUSI-15-118PCT	PCT/CN2016/082194		2016-05-16	Routing Solutions for LTE-WLAN Aggregation
33	MUSI-17-002PCT	PCT/CN2017/072954		2017-02-06	PEAK TO AVERAGE POWER RATIO REDUCTION IN ELAA
34	MUSI-17-002PCT-1	PCT/CN2017/078987		2017-03-31	PUCCH RESOURCE ALLOCATION AND PEAK TO AVERAGE POWER RATIO REDUCTION IN ELAA
35	MUSI-17-003PCT	PCT/CN2017/073796		2017-02-16	CHANNEL ACCESS PROCEDURE AND QOS PROVISIONING FOR UPLINK LAA
36	MUSI-17-004PCT	PCT/CN2017/079019		2017-03-31	WIRELESS COMMUNICATION SYSTEM DESIGN
37	MUSI-17-010PCT	PCT/CN2017/073756		2017-02-16	LISTEN BEFORE TALK CHANNEL ACCESS PROCEDURE FOR UPLINK LAA
38	MUSI-17-027PCT	PCT/CN2017/079290		2017-04-01	PHYSICAL RANDOM ACCESS CHANNEL DESIGN IN ELAA
39	MUSI-17-029PCT	PCT/CN2017/079199		2017-04-01	CONTROL CHANNEL DESIGN FOR ELAA
40	MUSI-17-030PCT	PCT/CN2017/079064		2017-03-31	EFFICIENT CONTROL AND DATA MULTIPLEXING IN COMMUNICATION SYSTEMS
41	MUSI-17-031PCT	PCT/CN2017/079918		2017-03-31	TRANSMISSION PREEMPTION AND ITS INDICATION
42	MUSI-17-032PCT	PCT/CN2017/084323		2017-05-15	UPLINK ROUTING FOR ENHANCED LWA