

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

EPAS ID: PAT4609065

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT

**CONVEYING PARTY DATA**

Name	Execution Date
NOKIA SOLUTIONS AND NETWORKS BV	07/22/2017

**RECEIVING PARTY DATA**

<b>Name:</b>	WSOU INVESTMENTS, LLC
<b>Street Address:</b>	11150 SANTA MONICA BLVD.
<b>Internal Address:</b>	SUITE 1400
<b>City:</b>	LOS ANGELES
<b>State/Country:</b>	CALIFORNIA
<b>Postal Code:</b>	90025

**PROPERTY NUMBERS Total: 86**

Property Type	Number
Application Number:	09029758
Application Number:	09276127
Application Number:	08948402
Application Number:	09223366
Application Number:	09341735
Application Number:	09381270
Application Number:	09798371
Application Number:	09022109
Application Number:	09367606
Application Number:	09663575
Application Number:	09847814
Application Number:	09835427
Application Number:	09856367
Application Number:	09848751
Application Number:	09566066
Application Number:	09399562
Application Number:	09301037
Application Number:	09394331
Application Number:	09441091

PATENT

<b>Property Type</b>	<b>Number</b>
Application Number:	09563513
Application Number:	10795260
Application Number:	09700626
Application Number:	09763348
Application Number:	09697961
Application Number:	09888660
Application Number:	09983774
Application Number:	09742787
Application Number:	10311896
Application Number:	10221355
Application Number:	10343444
Application Number:	10475430
Application Number:	10450881
Application Number:	10291709
Application Number:	10398414
Application Number:	10380826
Application Number:	10258945
Application Number:	10257067
Application Number:	10238883
Application Number:	10398413
Application Number:	10283236
Application Number:	10275356
Application Number:	10499106
Application Number:	09859274
Application Number:	10083448
Application Number:	09939058
Application Number:	10401710
Application Number:	10159205
Application Number:	10292098
Application Number:	10060378
Application Number:	10461998
Application Number:	10748760
Application Number:	11652517
Application Number:	11113328
Application Number:	12225531
Application Number:	11699792
Application Number:	12226954
Application Number:	12302048

Property Type	Number
Application Number:	12303095
Application Number:	11486462
Application Number:	12680259
Application Number:	12934439
Application Number:	13054507
Application Number:	12998087
Application Number:	13120697
Application Number:	13123267
Application Number:	13131909
Application Number:	13265967
Application Number:	13266977
Application Number:	14057501
Application Number:	13505586
Application Number:	13577089
Application Number:	13634269
Application Number:	13805372
Application Number:	13821263
Application Number:	13825335
Application Number:	13885005
Application Number:	13879194
Application Number:	14002780
Application Number:	13327914
Application Number:	13332527
Application Number:	13314324
Application Number:	14039853
Application Number:	14615103
Application Number:	12516773
Application Number:	14699080
Application Number:	10485957

**CORRESPONDENCE DATA**

**Fax Number:**

*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.*

**Phone:** 9493656722

**Email:** DOCKETING@BURDICKPATENTS.COM

**Correspondent Name:** BURDICK PATENTS

**Address Line 1:** 2526 W. STATE STREET

**Address Line 4:** BOISE, IDAHO 83702

<b>ATTORNEY DOCKET NUMBER:</b>	NET
<b>NAME OF SUBMITTER:</b>	KRIS PANGAN
<b>SIGNATURE:</b>	/Kris Pangan/
<b>DATE SIGNED:</b>	09/25/2017

**Total Attachments: 11**

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## ASSIGNEE RECORDATION COVER SHEET

The following four documents attached hereto present evidence of legal transfer of title to the patent properties listed in “Exhibit A of Amended Schedule B2” from

**Nokia Solutions and Networks BV**

(“Assignor”)

to

**WSOU Investments, LLC**

(“Assignee”):

1. “PATENT ASSIGNMENT” as set forth in “AMENDED SCHEDULE B2: ASSIGNMENT OF PATENT RIGHTS BY NOKIA SOLUTIONS AND NETWORKS BV” (3 pp) of that certain “Patent Purchase Agreement” effective July 22, 2017 between (a) Alcatel Lucent, (b) Nokia Solutions and Networks BV, and (c) Nokia Technologies Oy (“SELLERS”), and (d) Wade and Company (“PURCHASER”), as amended by “Amendment to Patent Purchase Agreement” between SELLERS and PURCHASER effective August 2, 2017.
2. “ASSIGNMENT OF PATENT PURCHASE AGREEMENT” between (d) Wade and Company (“ASSIGNEE”) and WSOU Investments, LLC (“ASSIGNOR”) effective August 21, 2017 (1 page).
3. “RELEASE AND RELINQUISHMENT OF INTEREST IN WSOU INVESTMENTS, LLC” by WCFT Cayman, Ltd. effective August 21, 2017 (1 page).
4. “Exhibit A of AMENDED SCHEDULE B2 – Assigned Patents (NET Only Assets) of PPA” (5 pp).

**AMENDED SCHEDULE B2: ASSIGNMENT OF PATENT RIGHTS**

**BY NOKIA SOLUTIONS AND NETWORKS BV**

**PATENT ASSIGNMENT**

This **PATENT ASSIGNMENT**, including without limitation Exhibit A of Amended Schedule B2 hereto, ("**Assignment**") is made by:

- (1) **Nokia Solutions and Networks BV**, a company validly organized under the laws of Finland, having its principal office at Karaportti 3, 02610 Espoo, Finland ("**Assignor**"); to
- (2) **Wade and Company**, a company validly organized and existing under the laws of Ontario, Canada, having its principal address at 17 Prince Arthur, Toronto, ON M5R 1G4 CANADA, (the "**Assignee**"),

All references to the plural herein also mean the singular, and vice versa, unless the context otherwise requires.

**WHEREAS**, Assignor is the owner of certain patents and patent applications, as specified in Exhibit A hereto.

**DEFINITIONS**

"**Assigned Patents**" means (a) patent applications listed in Exhibit A of Amended Schedule B2 hereto; (b) all reissues, reexaminations, continuations, continuations-in-part, divisionals, renewals and extensions of such patents and patent applications (whether pending, issued, abandoned or filed prior to, on or after the Effective Date); (c) all patents and patent applications (i) to which any or all of the foregoing directly or indirectly claims priority to, or the benefit of, the filing date, or (ii) for which any or all of the foregoing directly or indirectly forms a basis for priority or otherwise provides the benefit of an earlier filing date; and (d) all foreign counterparts to any or all of the foregoing, and all utility models, certificates of invention, patent registrations and equivalent rights worldwide.

"**Assignment Date**" means August 2, 2017.

**PATENT ASSIGNMENT**

Assignor hereby assigns, transfers, and conveys unto Assignee, all of Assignor's right, title, and interest in and to each of the Assigned Patents.

The assignment, transfer, and conveyance to Assignee set forth above will become effective on the Assignment Date and is made subject to certain encumbrances and retained rights for the Assigned Patents in favor of Assignor and/or its assignees and licensees.

IN WITNESS WHEREOF, the Assignor has caused this Assignment to be signed by its duly authorized officers.

ASSIGNOR:

NOKIA SOLUTIONS AND NETWORKS BV

By: [Signature]

Name: Seena Nurminen  
Authorized signatory

Title: \_\_\_\_\_

Date: 3 Aug 2017

ASSIGNOR:

NOKIA SOLUTIONS AND NETWORKS BV

By: [Signature]

Name: [Signature]

Title: \_\_\_\_\_

Date: 7 Aug 2017

ACKNOWLEDGED BY ASSIGNEE

ASSIGNEE:

WADE AND COMPANY

By: [Signature]

Name: Spert Shams

Title: Managing Director

Date: Aug. 2, 2017

**EXHIBIT A of AMENDED SCHEDULE B2 – ASSIGNED PATENTS**

Embedded Electronic File (5 Pages):



Exhibit A of  
AMENDED SCHEDULE

“Exhibit A of Amended Schedule B2 – Assigned Patents (NET Only Assets) of PPA”



## ASSIGNMENT OF PATENT PURCHASE AGREEMENT

WHEREAS, Wade and Company, on the one hand, and Alcatel Lucent, Nokia Solutions and Networks BV and Nokia Technologies Oy ("Nokia Parties"), on the other hand, entered into a Patent Purchase Agreement with an effective date as of July 22, 2017 ("Patent Purchase Agreement");

WHEREAS, Wade and Company and the Nokia Parties entered into an Amendment to the Patent Purchase Agreement with an effective date as of August 21, 2017 ("Amendment to Patent Purchase Agreement");

WHEREAS, the Amendment to the Patent Purchase Agreement permits Wade and Company to assign the whole of its interest in the Patent Purchase Agreement to WSOU Investments LLC, a company organized under the laws of Delaware;

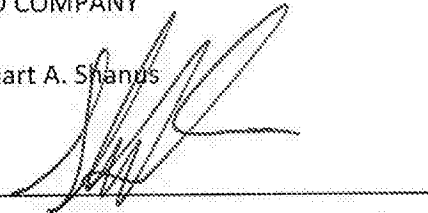
NOW, THEREFORE, Wade and Company wishes to assign the whole of its interest in the Patent Purchase Agreement to WSOU Investments LLC

Wade and Company hereby assigns to WSOU Investments LLC and WSOU Investments LLC hereby accepts the whole of the interest of Wade and Company in the Patent Purchase Agreement.

IN WITNESS WHEREOF, Wade and Company and WSOU Investments LLC, on behalf of themselves and their Affiliates, have caused this Agreement to be executed by their duly authorized representatives to become effective as of August 21, 2017.

WADE AND COMPANY

Name: Stuart A. Shands

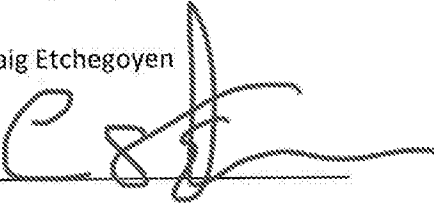
Signature: 

Title: General Counsel, Managing Partner

Date: August 21, 2017

WSOU INVESTMENTS LLC

Name: Craig Etchegoyen

Signature: 

Title: Member

Date: August 21, 2017

RELEASE AND RELINQUISHMENT OF INTEREST IN WSOU INVESTMENTS, LLC

WHEREAS, WCFT Cayman, a Cayman Islands company ("WCFT Cayman"), on the one hand and Orange Holdings, a Nevada corporation, on the other hand, had preliminary discussions concerning forming and operating WSOU Investments, LLC, a to be formed Delaware limited liability company;

WHEREAS, WSOU Investments, LLC was subsequently formed to purchase intellectual property from Alcatel Lucent, Nokia Solutions and Networks BV, Nokia Technologies Oy; and

WHEREAS, WCFT Cayman and Orange Holding never agreed to form WSOU Investments, LLC;

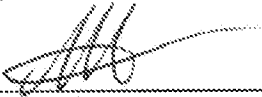
NOW, THEREFORE, to avoid any controversy or dispute concerning the fact that WCFT Cayman does not own and has never owned an interest in WSOU Investments, LLC:

WCFT Cayman hereby unequivocally avers that it owns no interest in WSOU Investments, LLC and to the extent it ever had any ownership stake, it hereby releases, relinquishes and disavows any ownership interest in WSOU Investments LLC it may have had.

IN WITNESS WHEREOF, WCFT Cayman itself and its Affiliates have caused this Release and Relinquishment of Interest to be executed by its duly authorized representative made effective as of August 21, 2017.

WCFT Cayman Ltd.

Name: Marc Wade

Signature:  \_\_\_\_\_

Title: Director

Date: August 21, 2017

Exhibit A of Amended Schedule B2 - Assigned Patents (NET Only Assets) of PPA

FAMILY	CASE REFERENCE	GRANT NUMBER	APPLICATION NUMBER	PUBLICATION NUMBER	COUNTRY	ISSUE DATE	EXPIRATION DATE	APPLICATION DATE	TITLE
199598048	1995P98048WOUS01	6109972	09/029758		US	29-Aug-2000	1-Oct-2019	1-Oct-1999	PLUG
199698012	1996P98012WOUS	6253086	09/276127		US	26-Jun-2001	26-Sep-2017	26-Sep-1997	MENETELMÄ ADAPTIVISEEN TAAJUUSUUNNITTELUUN SOLLUKOVERKKOJÄ RJESTELMÄSSÄ
199698014	1996P98014 US	6327268	08/948402		US	4-Dec-2001	10-Oct-2017	10-Oct-1997	HIGH SPEED DATA SERVICES FOR DECT/GSM INTERWORKING
199698042	1996P98042WOUS	6330230	09/223366		US	11-Dec-2001	3-Jul-2017	3-Jul-1997	DATA TRANSMISSION METHOD
199798046	1997P98046WOUS	6144572	09/341735		US	7-Nov-2000	6-Feb-2018	6-Feb-1998	OUTPUT VOLTAGE REGULATION OF A POWER SUPPLY MODULE
199898022	1998P98022WOUS	6418197	09/381270		US	9-Jul-2002	25-Jan-2019	25-Jan-1999	METHOD OF PLAYING ANNOUNCEMENTS IN TELECOMMUNICATION NETWORK EXCHANGE
199898033	1998P98033WOUS	6374339	09/798371		US	16-Apr-2002	27-Aug-2019	27-Aug-1999	METHOD FOR IMPLEMENTING A QUEUE IN A MEMORY, AND MEMORY ARRANGEMENT
199898037	1998P98037 US	6240304	09/022109		US	29-May-2001	11-Feb-2018	11-Feb-1998	MOBILE TERMINAL HAVING RF POWER CONSUMPTION OPTIMIZATION OF EXTENDED STANDBY MODE
199898051	1998P98051WOUS	6397065	09/367606		US	28-May-2002	17-Feb-2018	17-Feb-1998	Cellular radio access network and location updating in a cordless communications system
199898067	1998P98067WOUS	6463141	09/663575		US	8-Oct-2002	9-Apr-2019	9-Apr-1999	Distribution of services in telecommunications network
199898068	1998P98068WOUS	6463082	09/847814		US	8-Oct-2002	10-Dec-2018	10-Dec-1998	Packet transmission method and apparatus
199898069	1998P98069WOUS	6760425	09/835427	2001-0053217	US	6-Jul-2004	25-Oct-2019	25-Oct-1999	Interworking between services in telecommunications network
199898071	1998P98071WOUS	6865265	09/856367		US	8-Mar-2005	2-Dec-2019	2-Dec-1999	Call control in intelligent network
199898093	1998P98093WOUS	6631160	09/848751	2002-0024994	US	7-Oct-2003	18-Nov-2018	18-Nov-1998	A METHOD FOR IMPROVED CHANNEL IMPULSE RESPONSE ESTIMATION IN TDMA SYSTEMS
199904071	1999P04071 US	6891801	09/566,066		US	10-May-2005	5-May-2020	5-May-2000	Verfahren zum Betrieb eines Dateneübertragungssystems
199904071	1999P04071 DE	19921589	19921589.8	19921589	DE	24-Oct-2002	5-May-2019	5-May-1999	
199998012	1999P98012 US	6204727	09/399562		US	20-Mar-2001	20-Sep-2019	20-Sep-1999	PRECISION CONTROLLED RF POWER DETECTOR CIRCUIT
199998085	1999P98085 US	6349208	09/301037		US	19-Feb-2002	28-Apr-2019	28-Apr-1999	Apparatus, and associated method, for selectively...
199998110	1999P98110 US	6717926	09/394331		US	6-Apr-2004	13-Sep-2019	13-Sep-1999	APPARATUS AND ASSOCIATED METHOD, BY WHICH TO TRANSMIT BEACON SIGNALS IN A RADIO COMMUNICATION SYSTEM
199998157	1999P98157 US	6785287	09/441091		US	31-Aug-2004	16-Nov-2019	16-Nov-1999	INTEGRATED IP TELEPHONY AND CELLULAR COMMUNICATION SYSTEM AND METHOD OF OPERATION
200098081	2000P98081 US	6628923	09/563513		US	30-Sep-2003	3-May-2020	3-May-2000	Adaptive Phase And Amplitude Linearization Method and Apparatus
200398120	2003P98120 US01	7530096	10/795260	2005-0102504	US	5-May-2009	25-Oct-2025	9-Mar-2004	INTERMEDIATE NODE AWARE IP DATAGRAM GENERATION
200900940	2009P00940WE	2446552	09/779928.2	2446552	EP	10-Aug-2016	24-Jun-2029	24-Jun-2009	Network element for changing the timeslot type according to the received information
200900940	2009P00940WEDE	60 2009 040 297.8	09/779928.2	2446552	DE	10-Aug-2016	24-Jun-2029	24-Jun-2009	
200900940	2009P00940WEGB	2446552	09/779928.2	2446552	GB	10-Aug-2016	24-Jun-2029	24-Jun-2009	
200900940	2009P00940WOUS	8958358	13/380,582	2012-0093071	US	17-Feb-2015	10-Nov-2030	24-Jun-2009	
201100655	2011P00655WE	2767118	11/752561.8	2767118	EP	6-Apr-2016	9-Sep-2031	9-Sep-2011	MEASUREMENT CONFIGURATION MAP FOR MEASUREMENT EVENT REPORTING IN CELLULAR COMMUNICATIONS NETWORK
201100655	2011P00655WEDE	60 2011 024 963.0	11/752561.8	2767118	DE	6-Apr-2016	9-Sep-2031	9-Sep-2011	
201100655	2011P00655WEGB	2767118	11/752561.8	2767118	GB	6-Apr-2016	9-Sep-2031	9-Sep-2011	
201101518	2011P01518WE	2783531	11/790598.4	2783531	EP	24-Feb-2016	25-Nov-2031	25-Nov-2011	Method for handing over a mobile relay node
201101518	2011P01518WEDE	60 2011 023 462.5	11/790598.4	2783531	DE	24-Feb-2016	25-Nov-2031	25-Nov-2011	
201101518	2011P01518WEGB	2783531	11/790598.4	2783531	GB	24-Feb-2016	25-Nov-2031	25-Nov-2011	
199698014	1996P98014EPDE	69717762.9	97308039.3	0836339	DE	11-Dec-2002	10-Oct-2017	10-Oct-1997	HIGH SPEED DATA SERVICES FOR DECT/GSM INTERWORKING
199801760	1998P01760 US01	7415037	09/700,626		US	19-Aug-2008	7-May-2019	7-May-1999	Verfahren und Anordnung zur Echtzeit-Uebertragung von komprimierten Daten
199802345	1998P02345WOUS	6965670	09/763,348		US	15-Nov-2005	11-Aug-2019	11-Aug-1999	Verfahren zur Optimierung der Uebertragungseigenschaften und der Verlustleistung eines in eine Teilnehmeranschliessung zum Anschluss einer Teilnehmeranschliessung integrierten Hochvolteils
199898013	1998P98013WOCN	ZL9805542.5	99805542.5	1300512	CN	15-Sep-2004	28-Apr-2019	28-Apr-1999	METHOD OF CONNECTING NETWORK ELEMENTS TO A RADIO SYSTEM, AND RADIO SYSTEM
199898013	1998P98013WOUS	6977916	09/697961		US	20-Dec-2005	28-Apr-2019	28-Apr-1999	METHOD OF CONNECTING NETWORK ELEMENTS TO A RADIO SYSTEM, AND RADIO SYSTEM
199898097	1998P98097WOUS	6982957	09/888660		US	3-Jan-2006	30-Dec-2018	30-Dec-1998	PACKET TRANSMISSION METHOD AND APPARATUS
199904071	1999P04071 DE	19921589	19921589.8	19921589	DE	24-Oct-2002	5-May-2019	5-May-1999	Verfahren zum Betrieb eines Dateneübertragungssystems
199998060	1999P98060WEFR	1180310	00920781.2	1180310	FR	12-Mar-2008	25-Apr-2020	25-Apr-2000	Controlling intelligent network services
199998060	1999P98060WENL	1180310	00920781.2	1180310	NL	12-Mar-2008	25-Apr-2020	25-Apr-2000	Controlling intelligent network services
199998060	1999P98060WOJP	3682953	2000-614671		JP	3-Jun-2005	25-Apr-2020	25-Apr-2000	Controlling intelligent network services
199998060	1999P98060WOUS	6816586	09/983774	2002-0041670	US	9-Nov-2004	25-Apr-2020	25-Apr-2000	Controlling intelligent network services
199998147	1999P98147 US	7127489	09/742787		US	24-Oct-2006	20-Dec-2020	20-Dec-2000	A MESSAGING SERVICE
200012823	2000P12823WOUS	7136424	10/311,896	2004-0088639	US	14-Nov-2006	27-Jul-2023	29-Jun-2001	Verfahren bzw. Kommunikationssystem mit einer robusten Diversitäts-Kombinierung
200014670	2000P14670WOUS	6985577	10/221,355	2004-0058708	US	10-Jan-2006	31-Oct-2022	9-Jul-2001	Vorrichtung zur Optimierung der Durchschaltkapazität einer Vermittlungsstelle
200014741	2000P14741WEGB	1305905	01956344.4	1305905	GB	22-Sep-2004	19-Jul-2021	19-Jul-2001	Verfahren zur Fehlerkorrektur bei einer paketorientierten Datenübertragung
200014741	2000P14741WOUS	7251767	10/343,444		US	31-Jul-2007	11-Jan-2023	19-Jul-2001	Verfahren zur Fehlerkorrektur bei einer paketorientierten Datenübertragung

Exhibit A of Amended Schedule B2 - Assigned Patents (NET Only Assets) of PPA

FAMILY	CASE REFERENCE	GRANT NUMBER	APPLICATION NUMBER	PUBLICATION NUMBER	COUNTRY	ISSUE DATE	EXPIRATION DATE	APPLICATION DATE	TITLE
200020470	2000P20470WOUS	7260211	10/475,430		US	21-Aug-2007	27-Feb-2022	27-Feb-2002	Verfahren und Schaltungsanordnung zur Impedanzanpassung einer analogen Telekommunikationsverbindung
200023441	2000P23441WEDE	50113674.6	01271777.3	1344423	DE	27-Feb-2008	12-Nov-2021	12-Nov-2001	Verfahren zum paketbasierten Anschluss von klassischen ISDN/PSTN-Teilnehmern an ein Vermittlungssystem
200023441	2000P23441WOUS	7372869	10/450,881	2004-0071156	US	13-May-2008	15-Nov-2024	12-Nov-2001	Verfahren zum paketbasierten Anschluss von klassischen ISDN/ PSTN-Teilnehmern an ein Vermittlungssystem
200098023	2000P98023WOUS	7203180	10/291,709	2003-0107995	US	10-Apr-2007	8-Apr-2024	10-May-2001	Initiating service logic
200098037	2000P98037WOUS	7181211	10/398414		US	20-Feb-2007	10-Oct-2020	10-Oct-2000	SERVICE DISCOVERY AND SERVICE PARTITIONING FOR A SUBSCRIBER TERMINAL BETWEEN DIFFERENT NETWORKS
200098043	2000P98043WOUS	7039388	10/380826	2004-0058667	US	2-May-2006	17-Sep-2021	17-Sep-2001	METHOD FOR PROVIDING A COLLECT CALL SERVICE IN A MOBILE COMMUNICATION SYSTEM
200098087	2000P98087WOUS	7277728	10/258,945		US	2-Oct-2007	5-May-2020	5-May-2000	BASE STATION OF A COMMUNICATION NETWORK, PREFERABLY OF A MOBILE TELECOMMUNICATION NETWORK
200098116	2000P98116WOUS	7205992	10/257,067	2003-0157940	US	17-Apr-2007	17-Jun-2022	11-Apr-2001	Method of Mapping into Triangles an Area of Wireless Lan and Portable Device thereof
200124059	2001P24059 US	6947863	10/238,883	2003-0135345	US	20-Sep-2005	1-Oct-2017	11-Sep-2002	Verfahren und Schaltungsanordnung zur Überwachung physikalischer Größen, insbesondere zum Einsatz in Telekommunikationseinrichtungen
200198019	2001P98019WOUS	7324827	10/398,413	2004-0033800	US	29-Jan-2008	19-Mar-2023	18-Oct-2001	METHOD AND SYSTEM FOR HARMONIZING AN OPERATION AREA FOR A MOBILE DEVICE IN A CELLULAR RADIO NETWORK
200198031	2001P98031 US01	7035213	10/283236		US	25-Apr-2006	30-Oct-2022	30-Oct-2002	METHOD AND PACKET SWITCHED COMMUNICATION NETWORK WITH ENHANCED SESSION ESTABLISHMENT
200198069	2001P98069WOJP	4290996	2002-590099	2004-537884	JP	10-Apr-2009	17-May-2021	17-May-2001	SMART ENVIRONMENT -A data network-
200198095	2001P98095WOCN	ZL01808549.0	01808549.0	1426665	CN	3-Aug-2005	5-Apr-2021	5-Apr-2001	ALLOCATION PERIOD DETERMINATION FOR PACKET DATA
200198095	2001P98095WOUS	7649864	10/275,356	2004-0038686	US	19-Jan-2010	17-Dec-2023	5-Apr-2001	ALLOCATION PERIOD DETERMINATION FOR PACKET DATA
200198109	2001P98109WOUS	7095290	10/499106	2005-0089118	US	22-Aug-2006	18-Dec-2021	18-Dec-2001	METHOD AND SYSTEM FOR GENERATING HIGHER ORDER MODULATIONS WITH QPSK MODULATOR
200198121	2001P98121 US	7007050	09/859274	2002-0172359	US	28-Feb-2006	17-May-2021	17-May-2001	A METHOD AND APPARATUS FOR IMPROVED PSEUDO-RANDOM NUMBER GENERATION
200198132	2001P98132 US01	7472269	10/083448	2002-0178358	US	30-Dec-2008	20-Apr-2025	25-Feb-2002	System and method for strong authentication achieved in a single round trip
200198147	2001P98147 US	6950663	09/939,058	2003-0040323	US	27-Sep-2005	28-Sep-2017	24-Aug-2001	METHOD OF LOCATING A MOBILE STATION BASED ON OBSERVED TIME DIFFERENCE
200200064	2002P00064 US	7039390	10/401,710		US	2-May-2006	21-Jun-2024	28-Mar-2003	Verfahren und Anordnung zum Übermitteln von Textnachrichten
200202328	2002P02328 US	7058170	10/159,205	2002-0196805	US	6-Jun-2006	2-May-2024	30-May-2002	Method For Operating And Apparatus For A Back-Plane Supporting Redundant Circuit Cards
200206039	2002P06039 US	7222298	10/292,098	2004-0093560	US	22-May-2007	12-Nov-2022	12-Nov-2002	Advanced Java Rich Text Format Generator
200216038	2002P16038WEDE	50307258.3	03798882.1	1543700	DE	9-May-2007	1-Sep-2023	1-Sep-2003	Verfahren zum Betrieb eines Mobilfunksystems, Mobilfunksystem, Mobilstation sowie Einrichtung zum Bestimmen einer Teilgruppe von benachbarten Funkzellen eines Mobilfunksystems
200216038	2002P16038WEGB	1543700	03798882.1	1543700	GB	9-May-2007	1-Sep-2023	1-Sep-2003	Verfahren zum Betrieb eines Mobilfunksystems, Mobilfunksystem, Mobilstation sowie Einrichtung zum Bestimmen einer Teilgruppe von benachbarten Funkzellen eines Mobilfunksystems
200216038	2002P16038WORU	2335097	2005112739		RU	27-Sep-2008	1-Sep-2023	1-Sep-2003	Verfahren zum Betrieb eines Mobilfunksystems, Mobilfunksystem, Mobilstation sowie Einrichtung zum Bestimmen einer Teilgruppe von benachbarten Funkzellen eines Mobilfunksystems
200298035	2002P98035WEDE	603 44 574.8	03748473.0	1543659	DE	24-Jul-2013	25-Sep-2023	25-Sep-2003	SERVICE LEVEL ALLOCATION FOR IP NETWORKS
200298035	2002P98035WEFR	1543659	03748473.0	1543659	FR	24-Jul-2013	25-Sep-2023	25-Sep-2003	SERVICE LEVEL ALLOCATION FOR IP NETWORKS
200298035	2002P98035WEGB	1543659	03748473.0	1543659	GB	24-Jul-2013	25-Sep-2023	25-Sep-2003	SERVICE LEVEL ALLOCATION FOR IP NETWORKS
200298035	2002P98035WESE	1543659	03748473.0	1543659	SE	24-Jul-2013	25-Sep-2023	25-Sep-2003	SERVICE LEVEL ALLOCATION FOR IP NETWORKS
200298035	2002P98035WOCN	03825415.8	03825415.8	1703877	CN	11-Apr-2007	25-Sep-2023	25-Sep-2003	SERVICE LEVEL ALLOCATION FOR IP NETWORKS
200298035	2002P98035WOKR	753662	7005295/2005		KR	23-Aug-2007	25-Sep-2023	25-Sep-2003	SERVICE LEVEL ALLOCATION FOR IP NETWORKS
200298044	2002P98044 US	6947750	10/060378	2003-0148768	US	20-Sep-2005	21-Sep-2017	1-Feb-2002	METHOD AND SYSTEM FOR SERVICE RATE ALLOCATION, TRAFFIC LEARNING PROCESS, AND QOS PROVISIONING MEASUREMENT OF TRAFFIC FLOWS
200308825	2003P08825 DE	10337445	10337445.0		DE	30-Jun-2005	14-Aug-2023	14-Aug-2003	Verfahren zum Betrieb eines Funkkommunikationssystems, Empfangsstation sowie Sendestation für ein Funkkommunikationssystem
200312514	2003P12514 DE	10350906	10350906.2	10350906	DE	1-Dec-2005	31-Oct-2023	31-Oct-2003	Verfahren zur Ermittlung eines Pfades in einem Adhoc-Funkkommunikationssystem
200398027	2003P98027 US01	7283020	10/461,998	2004-0176110	US	16-Oct-2007	5-Apr-2025	13-Jun-2003	Signal extracting arrangement
200398056	2003P98056 US	7321970	10/748,760	2005-0149723	US	22-Jan-2008	23-Jun-2025	30-Dec-2003	METHOD AND SYSTEM FOR AUTHENTICATION USING INFRASTRUCTURELESS CERTIFICATES
200414359	2004P14359EPDE	60 2004 018 636.8	04020157.6	1630979	DE	24-Dec-2008	25-Aug-2024	25-Aug-2004	Method and system for updating clocks in components of a communications network
200414359	2004P14359EPGB	1630979	04020157.6	1630979	GB	24-Dec-2008	25-Aug-2024	25-Aug-2004	Method and system for updating clocks in components of a communications network

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FAMILY	CASE REFERENCE	GRANT NUMBER	APPLICATION NUMBER	PUBLICATION NUMBER	COUNTRY	ISSUE DATE	EXPIRATION DATE	APPLICATION DATE	TITLE
200421450	2004P21450WOIN	263709	5616/DELNP/2007	5616/DELNP/2007	IN	17-Nov-2014	26-Jan-2025	26-Jan-2005	Mobilfunknetz, Verfahren zum Betreiben eines Endgerätes in einem solchen und Endgerät für ein solches
200421450	2004P21450WOKR	0915043	2007-7019277	2007-0107059	KR	25-Aug-2009	26-Jan-2025	26-Jan-2005	Mobilfunknetz, Verfahren zum Betreiben eines Endgerätes in einem solchen und Endgerät für ein solches
200522836	2005P22836 US	8010160	11/652,517	2007-0184876	US	30-Aug-2011	22-Nov-2028	12-Jan-2007	Anordnung zur Kombination von Ausgangssignalen zweier Basisstationen
200522836	2005P22836EPDE01	50 2007 011 483.9	07100024.4	1809054	DE	20-Mar-2013	2-Jan-2027	2-Jan-2007	Anordnung zur Kombination von Ausgangssignalen zweier Basisstationen
200522836	2005P22836EPFR01	1809054	07100024.4	1809054	FR	20-Mar-2013	2-Jan-2027	2-Jan-2007	Anordnung zur Kombination von Ausgangssignalen zweier Basisstationen
200522836	2005P22836EPGB01	1809054	07100024.4	1809054	GB	20-Mar-2013	2-Jan-2027	2-Jan-2007	Anordnung zur Kombination von Ausgangssignalen zweier Basisstationen
200598057	2005P98057 US	7346323	11/113,328	2006-0229049	US	18-Mar-2008	26-Aug-2026	25-Apr-2005	DIVERSITY RECEPTION FOR CO-SITING BASE STATIONS
200598057	2005P98057WOCN	804133	200680011405.9	101156279	CN	6-Jul-2011	6-Apr-2026	6-Apr-2006	DIVERSITY RECEPTION FOR CO-SITING BASE STATIONS
200601758	2006P01758 DE	10 2006 013 769	10 2006 013 769.8	10 2006 013 769	DE	27-Mar-2008	25-Sep-2017	24-Mar-2006	Netzwerk und Verfahren zum rechnergestützten Betreiben eines autonomen Netzwerks mit einer Mehrzahl an autonomen Endgeräten
200601758	2006P01758WOCN	1258283	200780010472.3	101473606	CN	21-Aug-2013	21-Sep-2017	20-Mar-2007	Netzwerk und Verfahren zum rechnergestützten Betreiben eines autonomen Netzwerks mit einer Mehrzahl an autonomen Endgeräten
200601758	2006P01758WOUS	8619625	12/225,531	2009-0225678	US	31-Dec-2013	8-Jun-2029	20-Mar-2007	Netzwerk und Verfahren zum rechnergestützten Betreiben eines autonomen Netzwerks mit einer Mehrzahl an autonomen Endgeräten
200608756	2006P08756 US01	7941724	11/699,792	2007-0253423	US	10-May-2011	11-Mar-2030	30-Jan-2007	Embedded Retransmission Scheme with Cross-Packet Coding
200608927	2006P08927EPDE	50 2006 012 396.7	06009177.4	1853079	DE	9-Jan-2013	3-May-2026	3-May-2006	Funkressourcenverwaltung in einem Mobilfunkkommunikationssystem
200608927	2006P08927EPGB	1853079	06009177.4	1853079	GB	9-Jan-2013	3-May-2026	3-May-2006	Funkressourcenverwaltung in einem Mobilfunkkommunikationssystem
200608927	2006P08927WOIN	259766	2316/MUMNP/2008	2316/MUMNP/2008	IN	27-Mar-2014	26-Apr-2027	26-Apr-2007	Funkressourcenverwaltung in einem Mobilfunkkommunikationssystem
200608927	2006P08927WOUS	8121606	12/226,954	2009-0221294	US	21-Feb-2012	14-Feb-2029	26-Apr-2007	Funkressourcenverwaltung in einem Mobilfunkkommunikationssystem
200609408	2006P09408EPDE	50 2006 013 190.0	06114404.4	1860819	DE	11-Sep-2013	23-May-2026	23-May-2006	Verfahren und Vorrichtung zum dynamischen Aufbau und zur Steuerung von kurzzeitig gebildeten Kommunikationsgruppen mit gesicherter Übertragung
200609408	2006P09408EPES	1860819	06114404.4	1860819	ES	11-Sep-2013	23-May-2026	23-May-2006	Verfahren und Vorrichtung zum dynamischen Aufbau und zur Steuerung von kurzzeitig gebildeten Kommunikationsgruppen mit gesicherter Übertragung
200609408	2006P09408EPFR	1860819	06114404.4	1860819	FR	11-Sep-2013	23-May-2026	23-May-2006	Verfahren und Vorrichtung zum dynamischen Aufbau und zur Steuerung von kurzzeitig gebildeten Kommunikationsgruppen mit gesicherter Übertragung
200609408	2006P09408EPGB	1860819	06114404.4	1860819	GB	11-Sep-2013	23-May-2026	23-May-2006	Verfahren und Vorrichtung zum dynamischen Aufbau und zur Steuerung von kurzzeitig gebildeten Kommunikationsgruppen mit gesicherter Übertragung
200609408	2006P09408WOCN	986902	200780018551.9	101536405	CN	4-Jul-2012	9-May-2027	9-May-2007	Verfahren und Vorrichtung zum dynamischen Aufbau und zur Steuerung von kurzzeitig gebildeten Kommunikationsgruppen mit gesicherter Übertragung
200609408	2006P09408WOKR	1403625	2008-7031286	2009-0018661	KR	28-May-2014	9-May-2027	9-May-2007	Verfahren und Vorrichtung zum dynamischen Aufbau und zur Steuerung von kurzzeitig gebildeten Kommunikationsgruppen mit gesicherter Übertragung
200609408	2006P09408WOUS	8130689	12/302,048		US	6-Mar-2012	30-Aug-2028	9-May-2007	Verfahren und Vorrichtung zum dynamischen Aufbau und zur Steuerung von kurzzeitig gebildeten Kommunikationsgruppen mit gesicherter Übertragung
200611436	2006P11436 DE01	10 2006 036 109	10 2006 036 109.1	10 2006 036 109	DE	19-Jun-2008	2-Aug-2026	2-Aug-2006	Verfahren und System zum Bereitstellen eines Mesh-Schlüssels
200611436	2006P11436WEDE		07729627.5		DE			29-May-2007	Verfahren und System zum Bereitstellen eines Mesh-Schlüssels
200611436	2006P11436WEES		07729627.5		ES			29-May-2007	Verfahren und System zum Bereitstellen eines Mesh-Schlüssels
200611436	2006P11436WEFR		07729627.5		FR			29-May-2007	Verfahren und System zum Bereitstellen eines Mesh-Schlüssels
200611436	2006P11436WEGB		07729627.5		GB			29-May-2007	Verfahren und System zum Bereitstellen eines Mesh-Schlüssels
200611436	2006P11436WEIT		07729627.5		IT			29-May-2007	Verfahren und System zum Bereitstellen eines Mesh-Schlüssels
200611436	2006P11436WOUS	8959333	12/303,095	2009-0307483	US	17-Feb-2015	10-Aug-2031	29-May-2007	Verfahren und System zum Bereitstellen eines Mesh-Schlüssels
200698024	2006P98024 US	8958421	11/486,462	2007-0253444	US	17-Feb-2015	15-Jul-2031	14-Jul-2006	COMMUNICATIONS IN RELAY NETWORKS
200698024	2006P98024WOKR	1018891	2008-7028916	09-8416	KR	23-Feb-2011	10-Apr-2027	10-Apr-2007	COMMUNICATIONS IN RELAY NETWORKS
200703530	2007P03530WOUS	8989065	12/680,259	2010-0214930	US	24-Mar-2015	11-Feb-2028	1-Oct-2007	RELAYING DATA IN A COMMUNICATION SYSTEM
200800717	2008P00717WOUS	8923875	12/934,439	2011-0053601	US	30-Dec-2014	16-Jul-2030	24-Mar-2009	Cell Configuration for Self-Organized Networks with Flexible Spectrum Usage
200801701	2008P01701WEDE	60 2008 039 952.4	08775165.7	2314118	DE	2-Sep-2015	17-Jul-2028	17-Jul-2008	Selection of Connection Type in Cellular Telecommunications System
200801701	2008P01701WEGB	2314118	08775165.7	2314118	GB	2-Sep-2015	17-Jul-2028	17-Jul-2008	Selection of Connection Type in Cellular Telecommunications System

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200801701	2008P01701WOUS	8825040	13/054,507	2011-0117907	US	2-Sep-2014	17-Jul-2028	17-Jul-2008	Selection of Connection Type in Cellular System
200802301	2008P02301WOUS	8971822	12/998,087	2011-0165871	US	3-Mar-2015	15-Sep-2030	18-Sep-2008	Inter-Cell Coordination for feeding Relay Nodes
200802334	2008P02334WEDE	60 2008 030 904.5	08875145.8	2351456	DE	12-Mar-2014	26-Sep-2028	26-Sep-2008	Control Signaling in System Supporting Relayed Connections
200802334	2008P02334WEGB	2351456	08875145.8	2351456	GB	12-Mar-2014	26-Sep-2028	26-Sep-2008	Control Signaling in System Supporting Relayed Connections
200802334	2008P02334WENL	2351456	08875145.8	2351456	NL	12-Mar-2014	26-Sep-2028	26-Sep-2008	Control Signaling in System Supporting Relayed Connections
200802334	2008P02334WESE	2351456	08875145.8	2351456	SE	12-Mar-2014	26-Sep-2028	26-Sep-2008	Control Signaling in System Supporting Relayed Connections
200802334	2008P02334WOUS	9030972	13/120,697	2011-0194485	US	12-May-2015	28-Jul-2029	26-Sep-2008	Control Signaling in System Supporting Relayed Connections
200802426	2008P02426WOUS	8971262	13/123,267	2011-0194526	US	3-Mar-2015	28-Aug-2029	10-Oct-2008	Apparatuses, System, Methods, and Computer Program Products for Network Control
200802880	2008P02880WOUS	8971798	13/131,909	2011-0281590	US	3-Mar-2015	5-Apr-2031	1-Dec-2008	Establishment of New Base Station in Cellular Network
200900554	2009P00554WEDE	60 2009 042 290.1	09779355.8	2422545	DE	9-Nov-2016	24-Apr-2029	24-Apr-2009	Partitioning resources on a target side of a handover of a user equipment based on data traffic indication
200900554	2009P00554WEGB	2422545	09779355.8	2422545	GB	9-Nov-2016	24-Apr-2029	24-Apr-2009	Partitioning resources on a target side of a handover of a user equipment based on data traffic indication
200900554	2009P00554WOUS	8855640	13/265,967	2012-0083199	US	7-Oct-2014	25-Jun-2030	24-Apr-2009	Partitioning resources on a target side of a handover of a user equipment based on data traffic indication
200900710	2009P00710WEDE	60 2009 022 633.9	09779372.3	2425650	DE	19-Mar-2014	28-Apr-2029	28-Apr-2009	Self-Optimization of Cell Overlap
200900710	2009P00710WEGB	2425650	09779372.3	2425650	GB	19-Mar-2014	28-Apr-2029	28-Apr-2009	Self-Optimization of Cell Overlap
200900710	2009P00710WOUS	8594660	13/266,977	2012-0108232	US	26-Nov-2013	25-Apr-2029	28-Apr-2009	Self-Optimization of Cell Overlap
200900710	2009P00710WOUS01		14/057,501	2014-0051431	US			18-Oct-2013	Self-Optimization of Cell Overlap
200901537	2009P01537WOUS	8953476	13/505,586	2012-0250526	US	10-Feb-2015	15-Aug-2030	3-Nov-2009	Method and Apparatuses for Data transfer within a relay enhanced telecommunication network
200902002	2009P02002WEDE	60 2010 028 747.5	10703442.3	2532186	DE	4-Nov-2015	3-Feb-2030	3-Feb-2010	Coordinating radio resource partitioning in a relay enhanced telecommunication network
200902002	2009P02002WEGB	2532186	10703442.3	2532186	GB	4-Nov-2015	3-Feb-2030	3-Feb-2010	Coordinating radio resource partitioning in a relay enhanced telecommunication network
200902002	2009P02002WOUS	8781489	13/577,089	2013-0115968	US	15-Jul-2014	11-Mar-2030	3-Feb-2010	Coordinating radio resource partitioning in a relay enhanced telecommunication network
200902267	2009P02267WOUS	9026122	13/634,269	2013-0109399	US	5-May-2015	21-Feb-2031	12-Mar-2010	Relay Node operable with different spatial characteristic antenna patterns
201000594	2010P00594WOUS	9294939	13/805,372	2013-0137364	US	22-Mar-2016	7-Mar-2031	21-Jun-2010	Method and apparatus for reducing interference
201000741	2010P00741WOUS	9107096	13/821,263	2013-0194915	US	11-Aug-2015	21-Feb-2031	8-Sep-2010	Radio Access Parameter Tuning
201000798	2010P00798 GB	2479934	1007260.1		GB	1-Oct-2014	30-Apr-2030	30-Apr-2010	HANDOVER PREPARATIONS
201000798	2010P00798 GB01	2504862	1316938.8		GB	8-Oct-2014	30-Apr-2030	24-Sep-2013	HANDOVER PREPARATIONS
201000798	2010P00798 GB02	2507437	1401843.6		GB	8-Oct-2014	24-Sep-2033	24-Sep-2013	HANDOVER PREPARATIONS
201000798	2010P00798WEDE	60 2011 035 397.7	11716558.9	2564636	DE	1-Mar-2017	28-Apr-2031	28-Apr-2011	HANDOVER PREPARATIONS
201000798	2010P00798WEGB	2564636	11716558.9	2564636	GB	1-Mar-2017	28-Apr-2031	28-Apr-2011	HANDOVER PREPARATIONS
201000896	2010P00896WOUS	9008648	13/825,335	2013-0281082	US	14-Apr-2015	10-Dec-2030	22-Sep-2010	Automated Configuration of Base Stations
201001230	2010P01230WODE		11 2011 101 620.4	11 2011 101 620	DE		23-Sep-2017	22-Mar-2011	Data Display
201001231	2010P01231WODE		11 2011 101 603.4	11 2011 101 603	DE		1-Oct-2017	22-Mar-2011	Data Processor
201002003	2010P02003WOUS	9521681	13/885,005	2013-0258979	US	13-Dec-2016	5-Nov-2031	7-Jan-2011	Spectrum Sharing
201002123	2010P02123WOCN01		201180060173.7	103493566	CN		6-Oct-2031	6-Oct-2011	Base station, radio device, and methods for transmitting data in a radio communications system
201002123	2010P02123WOUS01		13/879,194	2013-0294319	US			6-Oct-2011	Base station, radio device, and methods for transmitting data in a radio communications system
201002552	2010P02552WOUS	9503174	14/002,780	2013-0344801	US	22-Nov-2016	4-Mar-2031	4-Mar-2011	Divide-and-conquer approach to mitigating Relay-to-Relay Interference
201100010	2011P00010WEDE	60 2011 019 809.2	11708270.1	2687040	DE	16-Sep-2015	1-Oct-2017	15-Mar-2011	Methods and devices for estimating terminals' interest in services
201100010	2011P00010WEGB	2687040	11708270.1	2687040	GB	16-Sep-2015	1-Oct-2017	15-Mar-2011	Methods and devices for estimating terminals' interest in services
201100655	2011P00655WEDE	60 2011 024 963.0	11752561.8	2767118	DE	6-Apr-2016	9-Sep-2031	9-Sep-2011	MEASUREMENT CONFIGURATION MAP FOR MEASUREMENT EVENT REPORTING IN CELLULAR COMMUNICATIONS NETWORK
201100655	2011P00655WEGB	2767118	11752561.8	2767118	GB	6-Apr-2016	9-Sep-2031	9-Sep-2011	MEASUREMENT CONFIGURATION MAP FOR MEASUREMENT EVENT REPORTING IN CELLULAR COMMUNICATIONS NETWORK
201101518	2011P01518WEDE	60 2011 023 462.5	11790598.4	2783531	DE	24-Feb-2016	25-Nov-2031	25-Nov-2011	Method for handing over a mobile relay node
201101518	2011P01518WEGB	2783531	11790598.4	2783531	GB	24-Feb-2016	25-Nov-2031	25-Nov-2011	Method for handing over a mobile relay node
201101558	2011P01558 US	8897798	13/327,914	2013-0072213	US	25-Nov-2014	16-Dec-2031	16-Dec-2011	METHODS AND APPARATUS FOR RADIO RESOURCE ALLOCATION
201101703	2011P01703 US01	9173140	13/332,527	2013-0084864	US	27-Oct-2015	11-Aug-2033	21-Dec-2011	METHODS AND APPARATUS FOR HANDOVER MANAGEMENT
201101703	2011P01703WOJP	5964434	2014-532484	2014-531846	JP	8-Jul-2016	21-Dec-2031	21-Dec-2011	HANDOVER MANAGEMENT BASED ON LOAD
201101703	2011P01703WOKR	1587434	2014-7011676	2014-0073550	KR	15-Jan-2016	21-Dec-2031	21-Dec-2011	HANDOVER MANAGEMENT BASED ON LOAD
201101712	2011P01712 US	8978056	13/314324	2013-0152115	US	10-Mar-2015	8-Dec-2031	8-Dec-2011	VIDEO LOADING CONTROL
201101772	2011P01772 CN		201210066541.5		CN		14-Mar-2032	14-Mar-2012	A method for spectrum allocation in dynamic home base station networks
201200595	2012P00595WEDE	60 2012 025 410.6	12715365.8	2837102	DE	16-Nov-2016	12-Apr-2032	12-Apr-2012	Method of reporting channel state information
201200595	2012P00595WEGB	2837102	12715365.8	2837102	GB	16-Nov-2016	12-Apr-2032	12-Apr-2012	Method of reporting channel state information
201201678	2012P01678 US01	9553685	14/039,853	2014-0092789	US	24-Jan-2017	30-Jul-2034	27-Sep-2013	PHICH-less Operation for Uplink-Downlink Configuration Zero
201401525	2014P01525 US	9490590	14/615,103	2016-0233623	US	8-Nov-2016	28-Jun-2035	5-Feb-2015	ANTENNA CONNECTOR SEALING NUT HAVING A MECHANICAL ENCLOSURE HOUSING A RADIO FREQUENCY CONNECTOR (AS AMENDED)

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201402271	2014P02271 JP	4157578	2006-324687	2008-141408	JP	18-Jul-2008	30-Nov-2026	30-Nov-2006	Extension subordinate machine system and signal relaying method
201402271	2014P02271WOCN	101536361	200780042422.3	101536361	CN	28-Aug-2013	22-Nov-2027	22-Nov-2007	Extension subordinate machine system and signal relaying method
201402271	2014P02271WOKR	1055873	2009-7011139	2009-0088385	KR	3-Aug-2011	22-Nov-2027	22-Nov-2007	Extension subordinate machine system and signal relaying method
201402271	2014P02271WOUS	8081594	12/516,773	2010-0067429	US	20-Dec-2011		22-Nov-2007	Extension subordinate machine system and signal relaying method
201402277	2014P02277 JP	4535847	2004-326889	2006-140635	JP	25-Jun-2010	10-Nov-2024	10-Nov-2004	BASE STATION DEVICE AND UP PACKET RATE CONTROL METHOD
201402281	2014P02281WOJP	5825609	2012-537592		JP	23-Oct-2015	5-Oct-2031	5-Oct-2011	WIRELESS COMMUNICATION APPARATUS
201402283	2014P02283 JP	5373690	2010-95184	2011-228853	JP	27-Sep-2013	16-Apr-2030	16-Apr-2010	COMMUNICATION SYSTEM, MAIN UNIT, WIRELESS ACCESS UNIT AND COMMUNICATION METHOD
201402283	2014P02283WOUS01	9485023	14/699,080	2015-0236786	US	1-Nov-2016	5-Sep-2032	12-Apr-2011	COMMUNICATION SYSTEM, MAIN UNIT, RADIO ACCESS UNIT AND COMMUNICATION METHOD
201402286	2014P02286 JP		2002-220318		JP		29-Jul-2022	29-Jul-2002	Radio apparatus and base station apparatus
201402286	2014P02286WEDE	603 39 960.6	03771264.3	1526670	DE	8-Feb-2012		14-Jul-2003	Radio apparatus and base station apparatus
201402286	2014P02286WEFR	1526670	03771264.3	1526670	FR	8-Feb-2012		14-Jul-2003	Radio apparatus and base station apparatus
201402286	2014P02286WEGB	1526670	03771264.3	1526670	GB	8-Feb-2012		14-Jul-2003	Radio apparatus and base station apparatus
201402286	2014P02286WOCN	1656720	2003812332.0	1656720	CN	8-Dec-2008	14-Jul-2023	14-Jul-2003	Radio apparatus and base station apparatus
201402286	2014P02286WOJP	4291774	20040-524109		JP	10-Apr-2009	14-Jul-2023	14-Jul-2003	Radio apparatus and base station apparatus
201402286	2014P02286WOKR	679799	20047019180	2005-0000432	KR	6-Feb-2007	14-Jul-2023	14-Jul-2003	Radio apparatus and base station apparatus
201402286	2014P02286WOUS	7248606	10/485,957	2004-0235501	US	24-Jul-2007		14-Jul-2003	Radio apparatus and base station apparatus