

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT4807621

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
SHARP CORPORATION	09/30/2015
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	KONINKLIJKE PHILIPS N.V.
<b>Street Address:</b>	HIGH TECH CAMPUS 5
<b>City:</b>	EINDHOVEN
<b>State/Country:</b>	NETHERLANDS
<b>Postal Code:</b>	5656 AE
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	15887402
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(914)495-9540
<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>	914-495-9516
<b>Email:</b>	katelyn.mulroy@Philips.com
<b>Correspondent Name:</b>	PHILIPS INTELLECTUAL PROPERTY & STANDARD
<b>Address Line 1:</b>	465 COLUMBUS AVENUE
<b>Address Line 2:</b>	SUITE 340
<b>Address Line 4:</b>	VALHALLA, NEW YORK 10595
<b>ATTORNEY DOCKET NUMBER:</b>	2007P00407 US01
<b>NAME OF SUBMITTER:</b>	TAWFIK GOMA
<b>SIGNATURE:</b>	/Tawfik Goma/
<b>DATE SIGNED:</b>	02/02/2018
<b>Total Attachments: 24</b>	
source=Assignment-Sharp to KPNV#page1.tif	
source=Assignment-Sharp to KPNV#page2.tif	
source=Assignment-Sharp to KPNV#page3.tif	
source=Assignment-Sharp to KPNV#page4.tif	
source=Assignment-Sharp to KPNV#page5.tif	

source=Assignment-Sharp to KPNV#page6.tif  
source=Assignment-Sharp to KPNV#page7.tif  
source=Assignment-Sharp to KPNV#page8.tif  
source=Assignment-Sharp to KPNV#page9.tif  
source=Assignment-Sharp to KPNV#page10.tif  
source=Assignment-Sharp to KPNV#page11.tif  
source=Assignment-Sharp to KPNV#page12.tif  
source=Assignment-Sharp to KPNV#page13.tif  
source=Assignment-Sharp to KPNV#page14.tif  
source=Assignment-Sharp to KPNV#page15.tif  
source=Assignment-Sharp to KPNV#page16.tif  
source=Assignment-Sharp to KPNV#page17.tif  
source=Assignment-Sharp to KPNV#page18.tif  
source=Assignment-Sharp to KPNV#page19.tif  
source=Assignment-Sharp to KPNV#page20.tif  
source=Assignment-Sharp to KPNV#page21.tif  
source=Assignment-Sharp to KPNV#page22.tif  
source=Assignment-Sharp to KPNV#page23.tif  
source=Assignment-Sharp to KPNV#page24.tif

**ANNEX 2**  
**Deed of Assignment**

This Deed of Assignment is made between Sharp Corporation, also known as Sharp Kabushiki Kaisha, having its registered office in Osaka, Japan ("Assignor") and Koninklijke Philips N.V., having its registered office in Eindhoven, The Netherlands ("Assignee").

WHEREAS, Assignor and Assignee have agreed on the sale, transfer and assignment of Assignor's ownership interest in and to (a) the patents and patent applications specified in Annex A attached to this deed of assignment; (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, 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, or (iii) having a claim to priority to any patent or patent application from which any or all of the foregoing claims priority; (d) all foreign counterparts and patent and patent applications corresponding to any or all of the foregoing, and all utility models, design patents, certificates of invention, patent registration and equivalent rights worldwide, and (e) all rights of priority in relation to any of the foregoing (collectively: "the Patents");

NOW THEREFORE for 1 (one) Euro and other good and valuable consideration, receipt of which is hereby acknowledged, Assignor hereby confirms the sale, assignment and transfer to Assignee of all Assignor's worldwide right, title, and interest in and to the Patents, to be held and enjoyed by Assignee, in its full discretion, including but not limited to all rights to past, present and future damages and claims to lost profits resulting from infringement of the Patents and the right to sue for such damages and lost profits and for any other form of relief in connection with infringement of the Patents, as well as all rights to royalties under the Patents and the right to collect these royalties.

IN WITNESS WHEREOF, Assignor has executed this Deed of Assignment on the date below. The person signing this Deed of Assignment on behalf of Assignor represents that he/she is fully authorised to execute this Deed of Assignment on behalf of Assignor.

Sharp Corporation (aka Sharp Kabushiki Kaisha)

Signature: Kiyoshi Yonetsu  
Name: Kiyoshi Yonetsu  
Title: Division Deputy General Manager, Corporate R&D Division  
Effective Date: September 30, 2015

Accepted for and on behalf of:

Koninklijke Philips N.V.

Signature: K.J. ELEVELD  
Name: K.J. ELEVELD  
Title: HEAD OF IP LICENSING  
Date: 30 SEP 2015

**ANNEX A**  
**List of Patents**

Internal reference	Title	Filing date	Country	Application	Grant	Grant date	Expiry Date	Priority date
1998P00328	CN Rate Matching	1999-Jul-02	CN	200410339594.4	200410039594.4	2008-Oct-01	2019-Jul-02	1998-Jul-10
1998P00328	CN01	1999-Jul-02	CN	200410039595.9	100388817-C	2008-Apr-09	2019-Jul-02	
1998P00328	JP	1999-Jul-02	JP	06-180594	3894946	2006-Dec-22	2019-Jul-02	
1998P00328	JP01	1999-Jul-02	JP	06-180595	3894947	2006-Dec-22	2019-Jul-02	
1998P00328	KR	1999-Jul-02	KR	10-2004-7010434	0533582	2005-Nov-29	2019-Jul-02	
1998P00328	KR01	1999-Jul-02	KR	10-2004-7010435	0533594	2005-Nov-29	2019-Jul-02	
1998P00328	TW	1999-Jul-23	TW	88112536	NI-138892	2001-Dec-13	2019-Jul-02	
1998P00328	US	1999-Jul-07	US	09/348958	6671851	2003-Dec-30	2019-Jul-02	
1998P00328	WEDE	1999-Jul-02	DE	99336484.7	69908293.5	2003-May-28	2019-Jul-02	
1998P00328	WEDE01	1999-Jul-02	DE	02075866.0	69922707.0	2004-Dec-15	2019-Jul-02	
1998P00328	WEDE02	1999-Jul-02	DE	02075865.3	69916903.8	2004-Apr-28	2019-Jul-02	
1998P00328	WEFR	1999-Jul-02	FR	99336484.7	1044508	2003-May-28	2019-Jul-02	
1998P00328	WEFR01	1999-Jul-02	FR	02075866.0	1227596	2004-Dec-15	2019-Jul-02	
1998P00328	WEFR02	1999-Jul-02	FR	02075865.2	1241796	2004-Apr-28	2019-Jul-02	
1998P00328	WEG8	1999-Jul-02	GB	99336484.7	1044508	2003-May-28	2019-Jul-02	
1998P00328	WEG801	1999-Jul-02	GB	02075866.0	1227596	2004-Dec-15	2019-Jul-02	
1998P00328	WEG802	1999-Jul-02	GB	02075865.2	1241796	2004-Apr-28	2019-Jul-02	
1998P00328	WEIT	1999-Jul-02	IT	99336484.7	1044508	2003-May-28	2019-Jul-02	
1998P00328	WEIT01	1999-Jul-02	IT	02075866.0	1227596	2004-Dec-15	2019-Jul-02	
1998P00328	WEIT02	1999-Jul-02	IT	02075865.2	1241796	2004-Apr-28	2019-Jul-02	
1998P00328	WQCN	1999-Jul-02	CN	98031105.3	99801105.3	2004-Aug-11	2019-Jul-22	
1998P00328	WQJP	1999-Jul-02	JP	00-559644	3897982	2007-Jan-05	2019-Jul-02	
1998P00328	WQKR	1999-Jul-02	KR	10-2000-7002403	10-0561933	2006-Mar-10	2019-Jul-02	
1998P00328	WQSG	1999-Jul-02	SG	200001234.4	71522	2003-Jun-30	2019-Jul-02	
1998P00713	CN Power Control for Random Access	1999-Sep-20	CN	200410063804.2	200410063804.2	2007-Dec-05	2019-Sep-20	1998-Oct-28
1998P00713	HK	2005-Apr-13	HK	05103149.9	HK1070495	2008-Jul-18	2019-Sep-20	
1998P00713	KR	1999-Sep-20	KR	10-2004-7014348	10-0897711	2007-Mar-14	2019-Sep-20	
1998P00713	TW	1999-Sep-23	TW	88116373	NI-153785	2002-Jul-26	2019-Sep-23	
1998P00713	US	1999-Oct-20	US	09/421645	6678529	2004-Jan-13	2019-Oct-20	
1998P00713	US01	2003-Dec-05	US	10/729250	7177660	2007-Feb-13	2019-Oct-20	
1998P00713	US02	2003-Dec-05	US	10/729249	7174183	2007-Feb-05	2019-Oct-20	
1998P00713	US03	2003-Dec-05	US	11/670814	8233936	2012-Jul-31	2019-Oct-20	
1998P00713	WEDE	1999-Sep-20	DE	99371169.0	69335706.3	2007-Apr-04	2019-Sep-20	
1998P00713	WEFR	1999-Sep-20	FR	99371169.0	1044514	2007-Apr-04	2019-Sep-20	
1998P00713	WEG8	1999-Sep-20	GB	99371169.0	1044514	2007-Apr-04	2019-Sep-20	
1998P00713	WEIT	1999-Sep-20	IT	99371169.0	1044514	2007-Apr-04	2019-Sep-20	
1998P00713	WQCN	1999-Sep-20	CN	99803381.2	99803381.2	2005-Feb-09	2019-Sep-20	
1998P00713	WQJP	1999-Sep-20	JP	00-578925	4271374	2009-Mar-06	2019-Sep-20	
1998P00713	WQKR	1999-Sep-20	KR	10-2000-7007170	10-0995810	2007-Mar-09	2019-Sep-20	
1998P00298	TW Multiple Downlink Scrambling Codes	1999-Oct-14	TW	88117798	NI-131493	2001-Aug-28	2019-Oct-14	1998-Oct-29
1998P00298	US	1999-Oct-20	US	09/421644	6535495	2003-Mar-18	2019-Oct-20	
1998P00298	US01	2005-Feb-22	US	11/083224	RE49384	2012-May-15	2019-Oct-20	
1998P00298	WEDE	1999-Oct-05	EP	07103008.4			2019-Oct-05	
1998P00298	WEDE	1999-Oct-05	DE	99352529.8	69935303.2	2007-Feb-28	2019-Oct-05	
1998P00298	WEFR	1999-Oct-05	FR	99352529.8	1044519	2007-Feb-28	2019-Oct-05	
1998P00298	WEG8	1999-Oct-05	GB	99352529.8	1044519	2007-Feb-28	2019-Oct-05	
1998P00298	WEIT	1999-Oct-05	IT	99352529.8	1044519	2007-Feb-28	2019-Oct-05	
1998P00298	WQCN	1999-Oct-05	CN	99803437.1	99803437.1	2003-Aug-06	2019-Oct-05	
1998P00298	WQJP	1999-Oct-05	JP	00-580318	4248150	2008-Jan-23	2019-Oct-05	
1998P00298	WQKR	1999-Oct-05	KR	10-2000-7007167	10-0717634	2007-May-07	2019-Oct-05	
1999P00250	TW Power Control Preamble	1999-Dec-30	TW	081123336	NI-144491	2002-Mar-07	2019-Dec-29	1999-Jan-15
1999P00250	TW01	1999-Dec-30	TW	090110650	NI-168389	2003-Apr-16	2019-Dec-29	1999-May-20
1999P00250	US	2000-Jan-06	US	09/478467	7089028	2006-Aug-08	2021-Aug-25	1999-Jul-02
1999P00250	WEDE	1999-Dec-24	DE	99364682.1	69935715.2	2007-Apr-04	2019-Dec-24	1999-Sep-24
1999P00250	WEFR	1999-Dec-24	FR	99364682.1	1062743	2007-Apr-04	2019-Dec-24	
1999P00250	WEG8	1999-Dec-24	GB	99364682.1	1062743	2007-Apr-04	2019-Dec-24	
1999P00250	WEIT	1999-Dec-24	IT	99364682.1	1062743	2007-Apr-04	2019-Dec-24	
1999P00250	WQCN	1999-Dec-24	CN	99806254.5	99806254.5	2004-Jan-21	2019-Dec-24	
1999P00250	WQJP	1999-Dec-24	JP	00-594206	4481277	2010-Mar-26	2019-Dec-24	
1999P00250	WQKR	1999-Dec-24	KR	10-2000-7010140	10-0998969	2007-Mar-16	2019-Dec-24	
1999P00441	US Variable Power Control Step Size	2000-Jan-06	US	09/478338	6738640	2004-May-18	2020-Jan-06	1999-Jan-15
1999P00441	WEDE	1999-Dec-24	DE	99369233.8	69933654.6	2006-Oct-18	2019-Dec-24	1999-May-20
1999P00441	WEFR	1999-Dec-24	FR	99369233.8	1062745	2006-Oct-18	2019-Dec-24	1999-Jul-02
1999P00441	WEG8	1999-Dec-24	GB	99369233.8	1062745	2006-Oct-18	2019-Dec-24	1999-Sep-24
1999P00441	WEIT	1999-Dec-24	IT	99369233.8	1062745	2006-Oct-18	2019-Dec-24	
1999P00441	WQCN	1999-Dec-24	CN	99806219.7	99806219.7	2009-Feb-04	2019-Dec-24	
1999P00441	WQJP	1999-Dec-24	JP	00-593091	4508427	2010-May-14	2019-Dec-24	
1999P00441	WQKR	1999-Dec-24	KR	10-2000-7010138	10-0897708	2007-Mar-14	2019-Dec-24	

Internal reference	Title	Filing date	Country	Application	Grant	Grant date	Expiry Date	Priority date
1999P00529 TW	Compressed Mode	1999-Dec-29	TW	088123207	149781	2002-May-23	2019-Dec-29	1999-Jan-16
1999P00529 US	Power Control	2000-Jan-06	US	09/478475	6754505	2004-Jun-22	2020-Jan-06	1999-May-20
1999P00529 US01		2004-Jun-17	US	10/871887	8195216	2012-Jun-05	2020-Feb-02	1999-Jul-02
1999P00529WEDE		1999-Dec-24	DE	99965566.5	69934577.4	2006-Dec-27	2019-Dec-24	1999-Sep-24
1999P00529WEFR		1999-Dec-24	FR	99965566.5	1062744	2006-Dec-27	2019-Dec-24	
1999P00529WEGB		1999-Dec-24	GB	99965566.5	1062744	2006-Dec-27	2019-Dec-24	
1999P00529WEIT		1999-Dec-24	IT	99965566.5	1062744	2006-Dec-27	2019-Dec-24	
1999P00529WOCN		1999-Dec-24	CN	99806205.7	99806205.7	2005-Apr-27	2019-Dec-24	
1999P00529WOIN		1999-Dec-24	IN	IN/PCT/00/00397	211041	2007-Oct-16	2019-Dec-24	
1999P00529WOJP		1999-Dec-24	JP	00-594207	4771593	2011-Jul-01	2019-Dec-24	
1999P00529WOKR		1999-Dec-24	KR	10-2000-7010141	10-0736755	2007-Jul-02	2019-Dec-24	
1999P01844 US	Wideband Speech Codec	2000-Nov-13	US	09/710916	6772114	2004-Aug-03	2022-Feb-11	1999-Nov-16
1999P01844WEDE		2000-Oct-19	DE	00975894.7	60019268.7	2005-Apr-06	2020-Oct-19	
1999P01844WEFR		2000-Oct-19	FR	00975894.7	1147514	2005-Apr-06	2020-Oct-19	
1999P01844WEGB		2000-Oct-19	GB	00975894.7	1147514	2005-Apr-06	2020-Oct-19	
1999P01844WOCN		2000-Oct-19	CN	00802758.7	00802758.7	2005-Mar-09	2020-Oct-19	
1999P01844WOJP		2000-Oct-19	JP	01-537725	5220254	2013-Mar-15	2020-Oct-19	
1999P01844WOKR		2000-Oct-19	KR	10-2001-7008931	10-0675309	2007-Jan-22	2020-Oct-19	
1999P01063 CN	RACH Access Request	2000-Apr-18	CN	03147667.8	03147667.8	2006-Jan-25	2020-Apr-18	1999-May-07
1999P01063 CN01		2000-Apr-18	CN	03147666.X	03147666.X	2005-Dec-21	2020-Apr-18	
1999P01063 CN02		2000-Apr-18	CN	03147665.1	03147665.1	2006-Jan-25	2020-Apr-18	
1999P01063 IN		2000-Apr-18	IN	03534/CHENP/05	230722	2009-Feb-27	2020-Apr-18	
1999P01063 IN01		2000-Apr-18	IN	03535/CHENP/05	237175	2009-Dec-09	2020-Apr-18	
1999P01063 IN02		2000-Apr-18	IN	03536/CHENP/05	237830	2010-Jan-18	2020-Apr-18	
1999P01063 TW		2000-Feb-21	TW	089102950	164433	2003-Feb-24	2020-Feb-20	
1999P01063 US		2000-May-04	US	09/564615	6804206	2004-Oct-12	2020-May-04	
1999P01063WEDE		2000-Apr-18	DE	00931074.9	60037862.4	2008-Jan-23	2020-Apr-18	
1999P01063WEFR		2000-Apr-18	FR	00931074.9	1095532	2008-Jan-23	2020-Apr-18	
1999P01063WEGB		2000-Apr-18	GB	00931074.9	1095532	2008-Jan-23	2020-Apr-18	
1999P01063WEIT		2000-Apr-18	IT	00931074.9	1095532	2008-Jan-23	2020-Apr-18	
1999P01063WOCN		2000-Apr-18	CN	00800794.2	00800794.2	2004-Apr-07	2020-Apr-18	
1999P01063WOIN		2000-Apr-18	IN	2001/00026/CHE	224628	2008-Oct-21	2020-Apr-18	
1999P01063WOJP		2000-Apr-18	JP	00-617678	5173091	2013-Jan-11	2020-Apr-18	
1999P01063WOKR		2000-Apr-18	KR	10-2001-7000076	10-0693930	2007-Mar-06	2020-Apr-18	
1999P00772 TW	Emulation of Small	2000-May-10	TW	089108913	148852	2002-May-08	2020-May-10	1999-May-26
1999P00772 US	Power Control Steps	2000-May-16	US	09/571457	6611690	2003-Aug-26	2020-May-16	1999-Jul-02
1999P00772 US01		2003-Jun-25	US	10/603706	7606589	2009-Oct-20	2023-Oct-28	
1999P00772 US02		2003-Jun-25	US	12/581260	8433358	2013-Apr-30	2020-May-16	
1999P00772 US03		2015-Apr-29	US	14/698942			2020-May-16	
1999P00772WEDE		2000-May-08	DE	00925274.3	60043685.3	2010-Jan-13	2020-May-08	
1999P00772WEFR		2000-May-08	FR	00925274.3	1101292	2010-Jan-13	2020-May-08	
1999P00772WEGB		2000-May-08	GB	00925274.3	1101292	2010-Jan-13	2020-May-08	
1999P00772WEIT		2000-May-08	IT	00925274.3	1101292	2010-Jan-13	2020-May-08	
1999P00772WOCN		2000-May-08	CN	00801307.1	00801307.1	2005-Jan-05	2020-May-08	
1999P00772WOIN		2000-May-08	IN	IN/PCT/01/00120	221703	2008-Jul-01	2020-May-08	
1999P00772WOJP		2000-May-08	JP	01-500454	4033674	2007-Nov-02	2020-May-08	
1999P00772WOKR		2000-May-08	KR	10-2001-7000944	10-0698467	2007-Mar-15	2020-May-08	
1999P00744 TW	Emulation of	2000-May-31	TW	089110576	NI-158111	2002-Oct-17	2020-May-31	1999-May-26
1999P00744 US	Unsupported Power	2000-May-22	US	09/575610	6556838	2003-Apr-29	2020-May-22	1999-Jul-02
1999P00744 US01	Control Steps	2003-Apr-21	US	10/420679	6826412	2004-Nov-30	2020-May-22	2000-May-09
1999P00744WEDE		2000-May-19	DE	00938666.5	60045236.0	2010-Nov-17	2020-May-19	
1999P00744WEFR		2000-May-19	FR	00938666.5	1101293	2010-Nov-17	2020-May-19	
1999P00744WEGB		2000-May-19	GB	00938666.5	1101293	2010-Nov-17	2020-May-19	
1999P00744WEIT		2000-May-19	IT	00938666.5	1101293	2010-Nov-17	2020-May-19	
1999P00744WOCN		2000-May-19	CN	00801463.9	00801463.9	2004-Feb-18	2020-May-19	
1999P00744WOIN		2000-May-19	IN	IN/PCT/01/00121	216416	2008-May-13	2020-May-19	
1999P00744WOJP		2000-May-19	JP	01-500455	3960799	2007-May-25	2020-May-19	
1999P00744WOKR		2000-May-19	KR	10-2001-7000945	10-0665589	2006-Dec-29	2020-May-19	
1999P00481 CN	CPCH Status Indicator	2000-Jul-24	CN	200410048974.3	200410048974.3	2007-Mar-07	2020-Jul-24	1999-Aug-03
1999P00481 CN01	Channel	2000-Jul-24	CN	200410048975.8	100381002	2008-Apr-09	2020-Jul-24	1999-Sep-14
1999P00481 IN		2000-Jul-24	IN	2923/CHENP/2005	228941	2009-Feb-13	2020-Jul-24	
1999P00481 IN01		2000-Jul-24	IN	2924/CHENP/05	229766	2009-Feb-20	2020-Jul-24	
1999P00481 TW		2000-Feb-29	TW	089103483	NI-183882	2003-Dec-17	2020-Feb-29	
1999P00481 US		2000-Aug-02	US	09/630896	8228939	2012-Jul-24	2021-Jul-31	
1999P00481WEDE		2000-Jul-24	DE	00956300.8	60037637.0	2008-Jan-02	2020-Jul-24	
1999P00481WEFR		2000-Jul-24	FR	00956300.8	1121823	2008-Jan-02	2020-Jul-24	
1999P00481WEGB		2000-Jul-24	GB	00956300.8	1121823	2008-Jan-02	2020-Jul-24	
1999P00481WEIT		2000-Jul-24	IT	00956300.8	1121823	2008-Jan-02	2020-Jul-24	
1999P00481WOCN		2000-Jul-24	CN	00802141.4	00802141.4	2005-Apr-06	2020-Jul-24	
1999P00481WOIN		2000-Jul-24	IN	IN/PCT/01/00470	215997	2008-Mar-05	2020-Jul-24	
1999P00481WOJP		2000-Jul-24	JP	01-513925	4446642	2010-Jan-29	2020-Jul-24	

PATENT

REEL: 045252 FRAME: 0636

57

Internal reference	Title	Filing date	Country	Application	Grant	Grant date	Expiry Date	Priority date
1999P00724 US	CPCH Access with	2000-Aug-02	US	09/631353	6907015	2005-Jun-14	2022-Aug-24	1999-Aug-03
1999P00724WEDE	Channel Assignment	2000-Jul-21	DE	00945942.1	60027685.6	2006-May-03	2020-Jul-21	2000-Jan-07
1999P00724WEFR		2000-Jul-21	FR	00945942.1	1118236	2006-May-03	2020-Jul-21	
1999P00724WEGB		2000-Jul-21	GB	00945942.1	1118236	2006-May-03	2020-Jul-21	
1999P00724WEIT		2000-Jul-21	IT	00945942.1	1118236	2006-May-03	2020-Jul-21	
1999P00724WOCN		2000-Jul-21	CN	00802150.3	00802150.3	2004-Apr-21	2020-Jul-21	
1999P00724WOIN		2000-Jul-21	IN	IN/PCT/01/00469	201793	2006-Aug-29	2020-Jul-21	
1999P00724WOJP		2000-Jul-21	JP	01-513924	4446641	2010-Jan-29	2020-Jul-21	
1999P00724WOKR		2000-Jul-21	KR	10-2001-7004169	10-0723986	2007-May-25	2020-Jul-21	
1991P00885 CA	Communication Protocol	1992-Jul-07	CA	2073315	2073315	2001-Jan-23	2012-Jul-07	1991-Jul-08
1991P00885 JP	for Data Transmission	1992-Jul-02	JP	92-179982	3112346	2000-Sep-22	2012-Jul-02	
1991P00885 KR		1992-Jul-02	KR	92-12031	0296206	2001-May-08	2012-Jul-02	
1991P00885 TW		1992-Sep-30	TW	81107734	NI-078430	1996-Sep-21	2012-Sep-30	
1991P00885 US		1992-Jul-07	US	07/909899	5488611	1996-Jan-30	2012-Jul-07	
1991P00885EPDE01		1992-Jul-02	DE	92201993	69226050.1	1998-Jul-01	2012-Jul-02	
1991P00885EPFR01		1992-Jul-02	FR	92201993	0522636	1998-Jul-01	2012-Jul-02	
1991P00885EPGB01		1992-Jul-02	GB	92201993	0522636	1998-Jul-01	2012-Jul-02	
1991P00573 AU	Uplink Shared Channel	1992-Sep-09	AU	92-22849	657784	1995-Sep-25	2012-Sep-09	1991-Sep-11
1991P00573 HK		1992-Sep-08	HK	98106418.4	HK1007246	1999-Apr-01	2012-Sep-09	
1991P00573 HU		1992-Sep-07	HU	92-02866	215135	1998-Dec-08	2012-Sep-08	
1991P00573 JP		1992-Sep-08	JP	92-239093	3342514	2002-Aug-23	2012-Sep-09	
1991P00573 KR		1992-Sep-07	KR	92-16259	0272015	2000-Aug-22	2012-Sep-08	
1991P00573 SG		1992-Sep-08	SG	9609584.9	48425	2002-Jan-11	2012-Sep-09	
1991P00573 TW		1992-Sep-04	TW	81107027	64078	1994-Feb-05	2012-Sep-04	
1991P00573 US01		1994-Jun-08	US	08/255850	5533015	1996-Jul-02	2013-Jul-03	
1991P00573EPCH		1992-Sep-08	CH	92202707.3	0532103	1998-Jan-21	2012-Sep-09	
1991P00573EPDE		1992-Sep-08	DE	92202707.3	69224120	1998-Jan-21	2012-Sep-09	
1991P00573EPFR		1992-Sep-08	FR	92202707.3	0532103	1998-Jan-21	2012-Sep-09	
1991P00573EPGB		1992-Sep-08	GB	92202707.3	0532103	1998-Jan-21	2012-Sep-09	
1991P00573EPIT		1992-Sep-08	IT	92202707.3	0532103	1998-Jan-21	2012-Sep-09	
1992P00043 HK	Identification Codes	1993-Mar-10	HK	98114041.3	HK1012822	2000-Apr-28	2013-Mar-10	1992-Mar-11
1992P00043 JP		1993-Mar-11	JP	93-50523	3314098	2002-May-31	2013-Mar-11	
1992P00043 KR		1993-Mar-10	KR	93-3548	362068	2002-Nov-11	2013-Mar-10	
1992P00043 SG		1993-Mar-10	SG	9606187.4	44713	2001-Dec-12	2013-Mar-10	
1992P00043 TW		1993-Apr-10	TW	82102684	68080	1995-Feb-10	2013-Apr-10	
1992P00043 US		1993-Mar-10	US	08/029254	5448764	1995-Sep-05	2013-Mar-10	
1992P00043EPDE		1993-Mar-10	DE	93200682.8	59309622.3	1999-Jun-02	2013-Mar-10	
1992P00043EPFR		1993-Mar-10	FR	93200682.8	0569061	1999-Jun-02	2013-Mar-10	
1992P00043EPGB		1993-Mar-10	GB	93200682.8	0569061	1999-Jun-02	2013-Mar-10	
1992P00043EPIT		1993-Mar-10	IT	93200682.8	0569061	1999-Jun-02	2013-Mar-10	

5. 9.

Internal reference	Title	Filing date	Country	Application	Grant	Grant date	Expiry Date	Priority date
1993P00457	CN Compressed Mode	1994-Jun-16	CN	00126217.3	00126217.3	2004-Jul-07	2014-Jun-16	1993-Jun-16
1993P00457	JP	1994-Jun-16	JP	04-021829	4049747	2007-Dec-07	2014-Jun-16	
1993P00457	JP01	1994-Jun-16	JP	04-021830	4049748	2007-Dec-07	2014-Jun-16	
1993P00457	JP02	1994-Jun-16	JP	04-021831	4049749	2007-Dec-07	2014-Jun-16	
1993P00457	KR	2002-Apr-27	KR	10-2002-7005461	10-0562186	2006-Mar-13	2014-Jun-16	
1993P00457	KR01	2002-Apr-27	KR	10-2002-7005462	10-0559763	2006-Mar-06	2014-Jun-16	
1993P00457	KR02	2002-Apr-27	KR	10-2002-7005459	10-0562185	2006-Mar-13	2014-Jun-16	
1993P00457	KR03	2002-Apr-27	KR	10-2002-7005460	356976	2002-Oct-04	2014-Jun-16	
1993P00457	RU	1994-Jun-16	RU	2002113290	2287903	2006-Nov-20	2014-Jun-16	
1993P00457	RU01	1994-Jun-16	RU	2003104618	2315430	2008-Jan-20	2014-Jun-16	
1993P00457	TW	1994-Jul-14	TW	83106431	90724	1998-Mar-11	2014-Jul-14	
1993P00457	WEDE	1994-Jun-16	DE	94917129.2	69432782.4	2003-Jun-04	2014-Jun-16	
1993P00457	WEDE01	1994-Jun-16	DE	00111510.4	69435329.9	2010-Dec-08	2014-Jun-16	
1993P00457	WEDE02	1994-Jun-16	DE	03101044.0	1351422	2013-Sep-11	2014-Jun-16	
1993P00457	WEDE03	1994-Jun-16	DE	03101045.7	1333605	2013-Aug-28	2014-Jun-16	
1993P00457	WEDE04	1994-Jun-16	DE	03101046.5	1333602	2013-Sep-11	2014-Jun-16	
1993P00457	WEFR	1994-Jun-16	FR	94917129.2	0659317	2003-Jun-04	2014-Jun-16	
1993P00457	WEFR01	1994-Jun-16	FR	00111510.4	1035678	2010-Dec-08	2014-Jun-16	
1993P00457	WEFR02	1994-Jun-16	FR	03101044.0	1351422	2013-Sep-11	2014-Jun-16	
1993P00457	WEFR03	1994-Jun-16	FR	03101045.7	1333605	2013-Aug-28	2014-Jun-16	
1993P00457	WEFR04	1994-Jun-16	FR	03101046.5	1333602	2013-Sep-11	2014-Jun-16	
1993P00457	WEGB	1994-Jun-16	GB	94917129.2	0659317	2003-Jun-04	2014-Jun-16	
1993P00457	WEGB01	1994-Jun-16	GB	00111510.4	1035678	2010-Dec-08	2014-Jun-16	
1993P00457	WEGB02	1994-Jun-16	GB	03101044.0	1351422	2013-Sep-11	2014-Jun-16	
1993P00457	WEGB03	1994-Jun-16	GB	03101045.7	1333605	2013-Aug-28	2014-Jun-16	
1993P00457	WEGB04	1994-Jun-16	GB	03101046.5	1333602	2013-Sep-11	2014-Jun-16	
1993P00457	WEIT	1994-Jun-16	IT	94917129.2	0659317	2003-Jun-04	2014-Jun-16	
1993P00457	WEIT01	1994-Jun-16	IT	00111510.4	1035678	2010-Dec-08	2014-Jun-16	
1993P00457	WEIT02	1994-Jun-16	IT	03101044.0	1351422	2013-Sep-11	2014-Jun-16	
1993P00457	WEIT03	1994-Jun-16	IT	03101045.7	1333605	2013-Aug-28	2014-Jun-16	
1993P00457	WEIT04	1994-Jun-16	IT	03101046.5	1333602	2013-Sep-11	2014-Jun-16	
1993P00457	WOCN	1994-Jun-16	CN	94190376.1	94190376.1	2001-Jan-13	2014-Jun-16	
1993P00457	WOJP	1994-Jun-16	JP	95-501541	3685803	2005-Jun-10	2014-Jun-16	
1993P00457	WOKR	1994-Jun-16	KR	10-1995-0700583	383686	2003-Apr-29	2014-Jun-16	
1993P00457	WOSG	1994-Jun-16	SG	9608853.9	44858	2002-Jan-09	2014-Jun-16	
1993P00457	WOUS	1994-Jun-16	US	08/381997	5619491	1997-Apr-08	2014-Jun-16	
1994P00470	BR Paging Channel	1995-Apr-24	BR	PI9510761.4	PI9510761-4	2004-Sep-28	2015-Apr-24	1994-Apr-27
1994P00470	IN	1995-Apr-26	IN	473/CAL/95	182656	1999-Dec-17	2015-Apr-26	
1994P00470	KR	1995-Apr-24	KR	10-2002-7014397	384204	2003-May-02	2015-Apr-24	
1994P00470	TW	1995-May-15	TW	84104796	77770	1996-Aug-17	2015-May-15	
1994P00470	US	1995-Apr-27	US	08/430518	5737322	1998-Apr-07	2015-Apr-27	
1994P00470	WEDE	1995-Apr-24	DE	95914498.1	69531398.3	2003-Jul-30	2015-Apr-24	
1994P00470	WEDE01	1995-Apr-24	DE	02078983.0	69534169.3	2005-Apr-20	2015-Apr-24	
1994P00470	WEFR	1995-Apr-24	FR	95914498.1	0765583	2003-Jul-30	2015-Apr-24	
1994P00470	WEFR01	1995-Apr-24	FR	02078983.0	1298944	2005-Apr-20	2015-Apr-24	
1994P00470	WEGB	1995-Apr-24	GB	95914498.1	0765583	2003-Jul-30	2015-Apr-24	
1994P00470	WEGB01	1995-Apr-24	GB	02078983.0	1298944	2005-Apr-20	2015-Apr-24	
1994P00470	WEIT	1995-Apr-24	IT	95914498.1	0765583	2003-Jul-30	2015-Apr-24	
1994P00470	WEIT01	1995-Apr-24	IT	02078983.0	1298944	2005-Apr-20	2015-Apr-24	
1994P00470	WOBR	1995-Apr-24	BR	PI9507527.5	PI9507527-5	2005-Feb-01	2015-Apr-24	
1994P00470	WOCN	1995-Apr-24	CN	95193462.7	95193462.7	2003-Jan-01	2015-Apr-24	
1994P00470	WOJP	1995-Apr-24	JP	95-527505	3871340	2006-Oct-27	2015-Apr-24	
1994P00470	WOKR	1995-Apr-24	KR	96-706139	0379046	2003-Mar-25	2015-Apr-24	
1994P00470	WQRU	1995-Apr-24	RU	96122885	2178238	2002-Jan-10	2015-Apr-24	
1994P00470	WOSG	1995-Apr-24	SG	9611841.9	34834	1997-Jun-14	2015-Apr-24	

internal reference	Title	Filing date	Country	Application	Grant	Grant date	Expiry Date	Priority date
1994P00509 CN	RACH Power Ramping	1995-Oct-31	CN	02124490.1	02124490.1	2005-Nov-23	2015-Oct-31	1994-Nov-04
1994P00509 CN01		1995-Oct-31	CN	02124491.X	02124491.X	2005-Jan-05	2015-Oct-31	
1994P00509 HK		1995-Oct-31	HK	98114118.1	HK1013185	2003-Feb-07	2015-Oct-31	
1994P00509 IN		1995-Nov-06	IN	1391/CAL/95	185019	2001-Jan-01	2015-Nov-06	
1994P00509 JP02		1995-Oct-31	JP	06-120840	3970911	2007-Jun-15	2015-Oct-31	
1994P00509 JP03		1995-Oct-31	JP	06-120839	3970910	2007-Jun-15	2015-Oct-31	
1994P00509 KR		1995-Oct-31	KR	10-2003-7001556	395042	2003-Aug-05	2015-Oct-31	
1994P00509 KR01		1995-Oct-31	KR	10-2003-7001557	395041	2003-Aug-05	2015-Oct-31	
1994P00509 TW		1995-Nov-08	TW	84111831	NI-087379	1997-Oct-15	2015-Nov-08	
1994P00509 US		1995-Nov-02	US	08/552321	5872522	1999-Feb-16	2015-Nov-02	
1994P00509 WEDE		1995-Oct-31	DE	95934261.9	69527134.2	2002-Jun-19	2015-Oct-31	
1994P00509 WEFR		1995-Oct-31	FR	95934261.9	0738452	2002-Jun-19	2015-Oct-31	
1994P00509 WEGB		1995-Oct-31	GB	95934261.9	0738452	2002-Jun-19	2015-Oct-31	
1994P00509 WEIT		1995-Oct-31	IT	95934261.9	0738452	2002-Jun-19	2015-Oct-31	
1994P00509 WOBR		1995-Oct-31	BR	P19506448.6	P19506448.6	2002-Aug-06	2015-Oct-31	
1994P00509 WOCN		1995-Oct-31	CN	95191622.X	95191622.X	2003-Feb-05	2015-Oct-31	
1994P00509 WOJP		1995-Oct-31	JP	96-515163	3945818	2007-Apr-20	2015-Oct-31	
1994P00509 WOKR		1995-Oct-31	KR	96-703603	389972	2003-Jun-20	2015-Oct-31	
1994P00509 WOSG		1995-Oct-31	SG	9701845.1	40974	2004-Nov-30	2015-Oct-31	
1995P00756 US	Channel Locking on	1996-May-13	US	08/645441	5878076	1999-Mar-02	2016-May-13	1995-May-12
1995P00756 WEDE	Long PN Sequence	1996-May-07	DE	96910164.1	69625023.3	2002-Nov-27	2016-May-07	
1995P00756 WEFR		1996-May-07	FR	96910164.1	0770289	2002-Nov-27	2016-May-07	
1995P00756 WEGB		1996-May-07	GB	96910164.1	0770289	2002-Nov-27	2016-May-07	
1995P00756 WOCN		1996-May-07	CN	96190486.0	96190486.0	2003-Jan-01	2016-May-07	
1995P00756 WOJP		1996-May-07	JP	96-533917	3611331	2004-Oct-29	2016-May-07	
1995P00756 WOSG		1996-May-07	SG	9700307.3	36484	1999-Nov-16	2016-May-07	
1994P00385 AR	Blind Format Detection	1995-Aug-01	AR	332966	255445	2002-Mar-04	2017-Mar-04	1994-Jul-28
1994P00385 BR		1995-Jul-20	BR	P19510759.2	P19510759.2	2005-Jun-21	2015-Jul-20	1995-Jun-06
1994P00385 BR01		1995-Jul-20	BR	P19510760.6	P19510760.6	2005-Jun-21	2015-Jul-20	
1994P00385 CN		1995-Jul-20	CN	200310114208.8	100409603	2008-Aug-06	2015-Jul-20	
1994P00385 CN01		1995-Jul-20	CN	200310114209.2	100409604	2008-Aug-06	2015-Jul-20	
1994P00385 ID		1995-Jul-27	ID	P-951455	ID0020013	2007-Oct-30	2015-Jul-27	
1994P00385 ID01		1995-Jul-27	ID	P-00200200843	ID-0022423	2008-Dec-01	2015-Jul-27	
1994P00385 ID02		1995-Jul-27	ID	P-00200200842	ID-0022425	2008-Dec-01	2015-Jul-27	
1994P00385 IN		1995-Jul-27	IN	862CAL/95	184218	2001-Jan-19	2015-Jul-27	
1994P00385 JP02		1995-Jul-20	JP	05-289608	3862734	2006-Oct-06	2015-Jul-20	
1994P00385 JP03		1995-Jul-20	JP	05-289609	3862735	2006-Oct-06	2015-Jul-20	
1994P00385 MY		1995-Jul-26	MY	P195002147	MY113082-A	2001-Nov-30	2016-Nov-30	
1994P00385 TW		1995-Aug-29	TW	84108999	79323	1996-Nov-06	2015-Aug-29	
1994P00385 US		1995-Jul-24	US	08/505933	5721743	1998-Feb-24	2015-Jul-24	
1994P00385 WECH		1995-Jul-20	CH	95924476.5	0721714	2004-May-06	2015-Jul-20	
1994P00385 WEDE		1995-Jul-20	DE	95924476.5	69532987.1	2004-May-06	2015-Jul-20	
1994P00385 WEES		1995-Jul-20	ES	95924476.5	0721714	2004-May-06	2015-Jul-20	
1994P00385 WEFR		1995-Jul-20	FR	95924476.5	0721714	2004-May-06	2015-Jul-20	
1994P00385 WEGB		1995-Jul-20	GB	95924476.5	0721714	2004-May-06	2015-Jul-20	
1994P00385 WEIT		1995-Jul-20	IT	95924476.5	0721714	2004-May-06	2015-Jul-20	
1994P00385 WOAU		1995-Jul-20	AU	95-28970	695562	1998-Nov-26	2015-Jul-20	
1994P00385 WOBR		1995-Jul-20	BR	P19506289.0	P1-9506289.0	2005-Feb-15	2015-Jul-20	
1994P00385 WOCN		1995-Jul-20	CN	95190864.2	95190864.2	2004-Apr-14	2015-Jul-20	
1994P00385 WOCZ		1995-Jul-20	CZ	96-PV892	295328	2005-May-11	2015-Jul-20	
1994P00385 WOHU		1995-Jul-20	HU	P9600767	219941	2001-Jun-22	2015-Jul-20	
1994P00385 WOJP		1995-Jul-20	JP	96-505616	3778932	2006-Mar-10	2015-Jul-20	
1994P00385 WOKR		1995-Jul-20	KR	96-701729	345590	2002-Jul-10	2015-Jul-20	
1994P00385 WOPL		1995-Jul-20	PL	P314230	178432	2000-Apr-28	2015-Jul-20	
1994P00385 WORU		1995-Jul-20	RU	96107894	2144736	2000-Jan-20	2015-Jul-20	
1994P00385 WOSG		1995-Jul-20	SG	9700522.7	36766	1999-Mar-30	2015-Jul-20	



Internal reference	Title	Filing date	Country	Application	Grant	Grant date	Expiry Date	Priority date
1995P00920 KR	RACH Access Request	1996-Oct-18	KR	10-2004-7008268	0492646	2005-May-24	2016-Oct-18	1995-Oct-23
1995P00920 KR01		1996-Oct-18	KR	10-2004-7008269	0492647	2005-May-24	2016-Oct-18	
1995P00920 KR02		1996-Oct-18	KR	10-2004-7008277	0492649	2005-May-24	2016-Oct-18	
1995P00920 TW		1996-Dec-31	TW	85116308	NI-141830	2002-Jan-25	2016-Dec-30	
1995P00920 US		1996-Oct-23	US	08/735633	5917813	1999-Jun-29	2016-Oct-23	
1995P00920WEDE		1996-Oct-18	DE	96932768.3	69627630.5	2003-Apr-23	2016-Oct-18	
1995P00920WEDE01		1996-Oct-18	DE	02079531.6	69637981.3	2009-Jul-29	2016-Oct-18	
1995P00920WEDE02		1996-Oct-18	DE	02079530.8	69637980.5	2009-Jul-29	2016-Oct-18	
1995P00920WEFR		1996-Oct-18	FR	96932768.3	0799533	2003-Apr-23	2016-Oct-18	
1995P00920WEFR01		1996-Oct-18	FR	02079531.6	1309138	2009-Jul-29	2016-Oct-18	
1995P00920WEFR02		1996-Oct-18	FR	02079530.8	1309137	2009-Jul-29	2016-Oct-18	
1995P00920WEGB		1996-Oct-18	GB	96932768.3	0799533	2003-Apr-23	2016-Oct-18	
1995P00920WEGB01		1996-Oct-18	GB	02079531.6	1309138	2009-Jul-29	2016-Oct-18	
1995P00920WEGB02		1996-Oct-18	GB	02079530.8	1309137	2009-Jul-29	2016-Oct-18	
1995P00920WEIT		1996-Oct-18	IT	96932768.3	0799533	2003-Apr-23	2016-Oct-18	
1995P00920WEIT02		1996-Oct-18	IT	02079530.8	1309137	2009-Jul-29	2016-Oct-18	
1995P00920WOCN		1996-Oct-18	CN	96192036.X	96192036.X	2003-Apr-30	2016-Oct-18	
1995P00920WOJP		1996-Oct-18	JP	97-516431	3775605	2006-Mar-03	2016-Oct-18	
1995P00920WOKR		1996-Oct-18	KR	97-704296	0500174	2005-Jun-30	2016-Oct-18	
1995P00920WOSG		1996-Oct-18	SG	9704649.4	45728	2000-May-23	2016-Oct-18	
1995P01131 TW	Mixed Voice and Data	1996-Nov-13	TW	85113880	094327	1998-Aug-31	2016-Nov-13	1995-Nov-20
1995P01131 US	Communication	1996-Nov-15	US	08/749433	5892794	1999-Apr-06	2016-Nov-15	
1995P01131WEDE		1996-Nov-05	DE	96935222.8	69632575.6	2004-May-26	2016-Nov-05	
1995P01131WEFR		1996-Nov-05	FR	96935222.8	0804859	2004-May-26	2016-Nov-05	
1995P01131WEGB		1996-Nov-05	GB	96935222.8	0804859	2004-May-26	2016-Nov-05	
1995P01131WOCN		1996-Nov-05	CN	96191498.X	96191498.X	2004-Jan-14	2016-Nov-05	
1995P01131WOJP		1996-Nov-05	JP	97-519532	3801209	2006-May-12	2016-Nov-05	
1995P01131WOKR		1996-Nov-05	KR	10-1997-0704864	0463279	2004-Dec-15	2016-Nov-05	
1995P01131WOSG		1996-Nov-05	SG	9703116.5	43589	2002-Feb-02	2016-Nov-05	
1995P00590 TW	Cell Search Procedure	1996-Nov-27	TW	85114624	NI-100388	1999-May-21	2016-Nov-27	1995-Dec-15
1995P00590 US		1996-Nov-21	US	08/754663	5881092	1999-Mar-09	2016-Nov-21	
1995P00590WEDE		1996-Nov-25	DE	96937464.4	69631954.3	2004-Mar-24	2016-Nov-25	
1995P00590WEFR		1996-Nov-25	FR	96937464.4	0809892	2004-Mar-24	2016-Nov-25	
1995P00590WEGB		1996-Nov-25	GB	96937464.4	0809892	2004-Mar-24	2016-Nov-25	
1995P00590WOCN		1996-Nov-25	CN	96193083.7	96193083.7	2002-Dec-25	2016-Nov-25	
1995P00590WOJP		1996-Nov-25	JP	97-522614	3807746	2006-May-26	2016-Nov-25	
1995P00590WOKR		1996-Nov-25	KR	97-705609	0463463	2004-Dec-16	2016-Nov-25	
1998P01107 JP01	Adaptive Multi-Rate	1999-May-25	JP	2011-003741	5150739	2012-Dec-07	2019-May-25	1998-May-26
1998P01107 KR	Speech Service	1999-May-25	KR	10-2005-7025506	10-0753087	2007-Aug-22	2019-May-25	
1998P01107 TW		1998-May-29	TW	87108464	114463	2000-Aug-30	2018-May-29	
1998P01107 US		1999-May-24	US	09/316996	6460158	2002-Oct-01	2019-May-24	
1998P01107 US01		2002-Jul-22	US	10/200983	6643817	2003-Nov-04	2019-May-24	
1998P01107WEDE		1999-May-25	DE	99919484.8	69932482.3	2006-Jul-26	2019-May-25	
1998P01107WEFR		1999-May-25	FR	99919484.8	1000468	2006-Jul-26	2019-May-25	
1998P01107WEGB		1999-May-25	GB	99919484.8	1000468	2006-Jul-26	2019-May-25	
1998P01107WOCN		1999-May-25	CN	99800832.X	99800832.X	2004-Mar-24	2019-May-25	
1998P01107WOIN		1999-May-25	IN	IN/PCT/00/00008	211145	2007-Oct-17	2019-May-25	
1998P01107WOKR		1999-May-25	KR	10-2000-7000819	10-0714860	2007-Apr-27	2019-May-25	
1998P01107WOSG		1999-May-25	SG	200000370.7	70539	2003-Dec-31	2019-May-25	
1998P00259 TW	Channel Sharing System	1999-Jun-21	TW	88110320	NI-129187	2001-Jul-18	2019-Jun-21	1998-Jun-23
1998P00259 US		1999-Jun-18	US	09/335608	7403514	2008-Jul-22	2019-Jun-18	
1998P00259WEDE		1999-Jun-07	DE	99922423.1	69941676.0	2009-Nov-25	2019-Jun-07	
1998P00259WEFR		1999-Jun-07	FR	99922423.1	1034642	2009-Nov-25	2019-Jun-07	
1998P00259WEGB		1999-Jun-07	GB	99922423.1	1034642	2009-Nov-25	2019-Jun-07	
1998P00259WEIT		1999-Jun-07	IT	99922423.1	1034642	2009-Nov-25	2019-Jun-07	
1998P00259WOCN		1999-Jun-07	CN	99800991.1	99800991.1	2003-Oct-01	2019-Jun-07	
1998P00259WOKR		1999-Jun-07	KR	10-2000-7001744	10-0642212	2006-Oct-27	2019-Jun-07	
1998P00259WOSG		1999-Jun-07	SG	200000886.2	71282	2003-Dec-31	2019-Jun-07	

52.

Internal reference	Title	Filing date	Country	Application	Grant	Grant date	Expiry Date	Priority date
2001P00784 JP	ACK/NACK Power	2002-Oct-15	JP	09-112044	5000681	2012-May-25	2022-Oct-15	2001-Oct-19
2001P00784 TW	Offset for HSDPA	2002-Oct-21	TW	091124179	NI-202834	2004-Sep-24	2022-Oct-20	2001-Nov-05
2001P00784 US		2002-Sep-23	US	10/252981	7379434	2008-May-27	2025-Aug-11	
2001P00784WEAT		2002-Oct-15	AT	02775087.6	1440525	2012-May-09	2022-Oct-15	
2001P00784WEBE		2002-Oct-15	BE	02775087.6	1440525	2012-May-09	2022-Oct-15	
2001P00784WEBG		2002-Oct-15	BG	02775087.6	1440525	2012-May-09	2022-Oct-15	
2001P00784WECH		2002-Oct-15	CH	02775087.6	1440525	2012-May-09	2022-Oct-15	
2001P00784WECY		2002-Oct-15	CY	02775087.6	1440525	2012-May-09	2022-Oct-15	
2001P00784WECZ		2002-Oct-15	CZ	02775087.6	1440525	2012-May-09	2022-Oct-15	
2001P00784WEDE		2002-Oct-15	DE	02775087.6	1440525	2012-May-09	2022-Oct-15	
2001P00784WEDK		2002-Oct-15	DK	02775087.6	1440525	2012-May-09	2022-Oct-15	
2001P00784WEEE		2002-Oct-15	EE	02775087.6	1440525	2012-May-09	2022-Oct-15	
2001P00784WEES		2002-Oct-15	ES	02775087.6	1440525	2012-May-09	2022-Oct-15	
2001P00784WEFI		2002-Oct-15	FI	02775087.6	1440525	2012-May-09	2022-Oct-15	
2001P00784WEFR		2002-Oct-15	FR	02775087.6	1440525	2012-May-09	2022-Oct-15	
2001P00784WEGB		2002-Oct-15	GB	02775087.6	1440525	2012-May-09	2022-Oct-15	
2001P00784WEGR		2002-Oct-15	GR	02775087.6	1440525	2012-May-09	2022-Oct-15	
2001P00784WEIE		2002-Oct-15	IE	02775087.6	1440525	2012-May-09	2022-Oct-15	
2001P00784WEIT		2002-Oct-15	IT	02775087.6	1440525	2012-May-09	2022-Oct-15	
2001P00784WEU		2002-Oct-15	LI	02775087.6	1440525	2012-May-09	2022-Oct-15	
2001P00784WELU		2002-Oct-15	LU	02775087.6	1440525	2012-May-09	2022-Oct-15	
2001P00784WEMC		2002-Oct-15	MC	02775087.6	1440525	2012-May-09	2022-Oct-15	
2001P00784WENL		2002-Oct-15	NL	02775087.6	1440525	2012-May-09	2022-Oct-15	
2001P00784WEPT		2002-Oct-15	PT	02775087.6	1440525	2012-May-09	2022-Oct-15	
2001P00784WESE		2002-Oct-15	SE	02775087.6	1440525	2012-May-09	2022-Oct-15	
2001P00784WESK		2002-Oct-15	SK	02775087.6	1440525	2012-May-09	2022-Oct-15	
2001P00784WETR		2002-Oct-15	TR	02775087.6	1440525	2012-May-09	2022-Oct-15	
2001P00784WOCN		2002-Oct-15	CN	02820678.9	100379169	2008-Apr-02	2022-Oct-15	
2001P00784WOJP		2002-Oct-15	JP	03-537216	4782377	2011-Jul-15	2022-Oct-15	
2001P00784WOKR		2002-Oct-15	KR	10-2004-7005802	10-0978014	2010-Aug-19	2022-Oct-15	
2001P00990 JP	HARQ Postamble	2002-Oct-02	JP	09-094166	4898864	2012-Jan-06	2022-Oct-02	2001-Nov-16
2001P00990 US		2002-Oct-10	US	10/268471	7124343	2006-Oct-17	2024-Jan-31	2001-Nov-30
2001P00990WE		2002-Oct-02	EP	02775054.6			2022-Oct-02	2002-Apr-03
2001P00990WOCN		2002-Oct-02	CN	02822633.X	02822633.X	2012-Jul-11	2022-Oct-02	
2001P00990WOJP		2002-Oct-02	JP	03-544931	4372549	2009-Sep-11	2022-Oct-02	
2001P00990WOKR		2002-Oct-02	KR	10-2004-7007350	10-0942996	2010-Feb-10	2022-Oct-02	
2002P00568 AU	HARQ Preamble	2003-Jul-29	AU	2003249437	2003249437	2008-Sep-08	2023-Jul-29	2002-Aug-13
2002P00568 CA		2003-Jul-29	CA	2495074	2495074	2012-Jul-10	2023-Jul-29	2002-Aug-16
2002P00568 ID		2003-Jul-29	ID	W-00 2005 00347	ID0021650	2008-Jul-28	2023-Jul-29	
2002P00568 IN		2003-Jul-29	IN	165/CHENP/2005	220970	2008-Jun-11	2023-Jul-29	
2002P00568 JP		2003-Jul-29	JP	10-260230	5160624	2012-Dec-21	2023-Jul-29	
2002P00568 MX		2003-Jul-29	MX	PAA/2005/001626	263895	2008-Nov-04	2023-Jul-29	
2002P00568 RU		2003-Jul-29	RU	2005106865	2328827	2008-Jul-10	2023-Jul-29	
2002P00568 US01		2003-Jul-29	US	13/645916	9025548	2015-May-05	2024-Mar-02	
2002P00568 ZA		2003-Jul-29	ZA	2005/01222	2005/01222	2006-Jul-26	2023-Jul-29	
2002P00568WEAT		2003-Jul-29	AT	03784367.9	1530844	2011-Oct-05	2023-Jul-29	
2002P00568WEBE		2003-Jul-29	BE	03784367.9	1530844	2011-Oct-05	2023-Jul-29	
2002P00568WEBG		2003-Jul-29	BG	03784367.9	1530844	2011-Oct-05	2023-Jul-29	
2002P00568WECH		2003-Jul-29	CH	03784367.9	1530844	2011-Oct-05	2023-Jul-29	
2002P00568WECY		2003-Jul-29	CY	03784367.9	1530844	2011-Oct-05	2023-Jul-29	
2002P00568WECZ		2003-Jul-29	CZ	03784367.9	1530844	2011-Oct-05	2023-Jul-29	
2002P00568WEDE		2003-Jul-29	DE	03784367.9	60338670.9	2011-Oct-05	2023-Jul-29	
2002P00568WEDK		2003-Jul-29	DK	03784367.9	1530844	2011-Oct-05	2023-Jul-29	
2002P00568WEEE		2003-Jul-29	EE	03784367.9	1530844	2011-Oct-05	2023-Jul-29	
2002P00568WEES		2003-Jul-29	ES	03784367.9	1530844	2011-Oct-05	2023-Jul-29	
2002P00568WEFI		2003-Jul-29	FI	03784367.9	1530844	2011-Oct-05	2023-Jul-29	
2002P00568WEFR		2003-Jul-29	FR	03784367.9	1530844	2011-Oct-05	2023-Jul-29	
2002P00568WEGB		2003-Jul-29	GB	03784367.9	1530844	2011-Oct-05	2023-Jul-29	
2002P00568WEGR		2003-Jul-29	GR	03784367.9	1530844	2011-Oct-05	2023-Jul-29	
2002P00568WEHU		2003-Jul-29	HU	03784367.9	1530844	2011-Oct-05	2023-Jul-29	
2002P00568WEIE		2003-Jul-29	IE	03784367.9	1530844	2011-Oct-05	2023-Jul-29	
2002P00568WEIT		2003-Jul-29	IT	03784367.9	1530844	2011-Oct-05	2023-Jul-29	
2002P00568WELU		2003-Jul-29	LI	03784367.9	1530844	2011-Oct-05	2023-Jul-29	
2002P00568WEMC		2003-Jul-29	MC	03784367.9	1530844	2011-Oct-05	2023-Jul-29	
2002P00568WENL		2003-Jul-29	NL	03784367.9	1530844	2011-Oct-05	2023-Jul-29	
2002P00568WEPT		2003-Jul-29	PT	03784367.9	1530844	2011-Oct-05	2023-Jul-29	
2002P00568WERO		2003-Jul-29	RO	03784367.9	1530844	2011-Oct-05	2023-Jul-29	
2002P00568WESE		2003-Jul-29	SE	03784367.9	1530844	2011-Oct-05	2023-Jul-29	
2002P00568WESI		2003-Jul-29	SI	03784367.9	1530844	2011-Oct-05	2023-Jul-29	
2002P00568WESK		2003-Jul-29	SK	03784367.9	1530844	2011-Oct-05	2023-Jul-29	
2002P00568WETR		2003-Jul-29	TR	03784367.9	1530844	2011-Oct-05	2023-Jul-29	
2002P00568WOCN		2003-Jul-29	CN	03819219.5	03819219.5	2008-Oct-01	2023-Jul-29	
2002P00568WOUS		2003-Jul-29	US	10/523940	8315210	2012-PATENT	2023-Jul-08	

Internal reference	Title	Filing date	Country	Application	Grant	Grant date	Expiry Date	Priority date
2003P00853	US Fractional Dedicated Channel	2015-Apr-01	US	14/676153			2024-Nov-09	2003-Nov-12
2003P00853WEAT		2004-Nov-09	AT	04799088.2	1685659	2007-Oct-03	2024-Nov-09	
2003P00853WEBE		2004-Nov-09	BE	04799088.2	1685659	2007-Oct-03	2024-Nov-09	
2003P00853WEBG		2004-Nov-09	BG	04799088.2	1685659	2007-Oct-03	2024-Nov-09	
2003P00853WECH		2004-Nov-09	CH	04799088.2	1685659	2007-Oct-03	2024-Nov-09	
2003P00853WECY		2004-Nov-09	CY	04799088.2	1685659	2007-Oct-03	2024-Nov-09	
2003P00853WECZ		2004-Nov-09	CZ	04799088.2	1685659	2007-Oct-03	2024-Nov-09	
2003P00853WEDE		2004-Nov-09	DE	04799088.2	602004009340.8	2007-Oct-03	2024-Nov-09	
2003P00853WEDK		2004-Nov-09	DK	04799088.2	1685659	2007-Oct-03	2024-Nov-09	
2003P00853WEEE		2004-Nov-09	EE	04799088.2	1685659	2007-Oct-03	2024-Nov-09	
2003P00853WEES		2004-Nov-09	ES	04799088.2	1685659	2007-Oct-03	2024-Nov-09	
2003P00853WEFI		2004-Nov-09	FI	04799088.2	1685659	2007-Oct-03	2024-Nov-09	
2003P00853WEFR		2004-Nov-09	FR	04799088.2	1685659	2007-Oct-03	2024-Nov-09	
2003P00853WEGB		2004-Nov-09	GB	04799088.2	1685659	2007-Oct-03	2024-Nov-09	
2003P00853WEGR		2004-Nov-09	GR	04799088.2	1685659	2007-Oct-03	2024-Nov-09	
2003P00853WEHU		2004-Nov-09	HU	04799088.2	1685659	2007-Oct-03	2024-Nov-09	
2003P00853WEIE		2004-Nov-09	IE	04799088.2	1685659	2007-Oct-03	2024-Nov-09	
2003P00853WEIT		2004-Nov-09	IT	04799088.2	1685659	2007-Oct-03	2024-Nov-09	
2003P00853WELU		2004-Nov-09	LU	04799088.2	1685659	2007-Oct-03	2024-Nov-09	
2003P00853WEMC		2004-Nov-09	MC	04799088.2	1685659	2007-Oct-03	2024-Nov-09	
2003P00853WENL		2004-Nov-09	NL	04799088.2	1685659	2007-Oct-03	2024-Nov-09	
2003P00853WEPL		2004-Nov-09	PL	04799088.2	1685659	2007-Oct-03	2024-Nov-09	
2003P00853WEPT		2004-Nov-09	PT	04799088.2	1685659	2007-Oct-03	2024-Nov-09	
2003P00853WERO		2004-Nov-09	RO	04799088.2	1685659	2007-Oct-03	2024-Nov-09	
2003P00853WESE		2004-Nov-09	SE	04799088.2	1685659	2007-Oct-03	2024-Nov-09	
2003P00853WESI		2004-Nov-09	SI	04799088.2	1685659	2007-Oct-03	2024-Nov-09	
2003P00853WESK		2004-Nov-09	SK	04799088.2	1685659	2007-Oct-03	2024-Nov-09	
2003P00853WETR		2004-Nov-09	TR	04799088.2	1685659	2007-Oct-03	2024-Nov-09	
2003P00853WOUAU		2004-Nov-09	AU	2004310240	2004310240	2006-Jun-08	2024-Nov-09	
2003P00853WQBR		2004-Nov-09	BR	PI 0410152-9			2024-Nov-09	
2003P00853WOCA		2004-Nov-09	CA	2525060	2525060	2011-Jan-11	2024-Nov-09	
2003P00853WOCN		2004-Nov-09	CN	200480014762.1	200480014762.1	2009-Dec-23	2024-Nov-09	
2003P00853WOID		2004-Nov-09	ID	W-00 2005 03328	ID P 0024823 B	2009-Dec-23	2024-Nov-09	
2003P00853WOIN		2004-Nov-09	IN	163/CHENP/2006			2024-Nov-09	
2003P00853WOJP		2004-Nov-09	JP	06-508482	4018738	2007-Sep-28	2024-Nov-09	
2003P00853WOKR		2004-Nov-09	KR	2005-7023524	722013	2007-May-18	2024-Nov-09	
2003P00853WOMX		2004-Nov-09	MX	PA/A/05/012108	254602	2008-Feb-13	2024-Nov-09	
2003P00853WORU		2004-Nov-09	RU	2005135434	2310987	2007-Nov-20	2024-Nov-09	
2003P00853WOUS		2004-Nov-09	US	10/554376			2024-Nov-09	

5. 5L

Internal reference	Title	Filing date	Country	Application	Grant	Grant date	Expiry Date	Priority date
2003P00296 TW	Scaling of E-DPDCH	2004-Apr-30	TW	093112319	1357276	2012-Jan-21	2024-Apr-30	2003-May-03
2003P00296WEAT	Gain Factors	2004-Apr-20	AT	04728378.3	E356473	2007-Mar-07	2024-Apr-20	
2003P00296WEBE		2004-Apr-20	BE	04728378.3	1623511	2007-Mar-07	2024-Apr-20	
2003P00296WEBG		2004-Apr-20	BG	04728378.3	1623511	2007-Mar-07	2024-Apr-20	
2003P00296WECH		2004-Apr-20	CH	04728378.3	1623511	2007-Mar-07	2024-Apr-20	
2003P00296WECY		2004-Apr-20	CY	04728378.3	1623511	2007-Mar-07	2024-Apr-20	
2003P00296WECZ		2004-Apr-20	CZ	04728378.3	1623511	2007-Mar-07	2024-Apr-20	
2003P00296WEDE		2004-Apr-20	DE	04728378.3	602004005179.9	2007-Mar-07	2024-Apr-20	
2003P00296WEDK		2004-Apr-20	DK	04728378.3	1623511	2007-Mar-07	2024-Apr-20	
2003P00296WEEE		2004-Apr-20	EE	04728378.3	1623511	2007-Mar-07	2024-Apr-20	
2003P00296WEES		2004-Apr-20	ES	04728378.3	1623511	2007-Mar-07	2024-Apr-20	
2003P00296WEFI		2004-Apr-20	FI	04728378.3	1623511	2007-Mar-07	2024-Apr-20	
2003P00296WEFR		2004-Apr-20	FR	04728378.3	1623511	2007-Mar-07	2024-Apr-20	
2003P00296WEGB		2004-Apr-20	GB	04728378.3	1623511	2007-Mar-07	2024-Apr-20	
2003P00296WEGR		2004-Apr-20	GR	04728378.3	1623511	2007-Mar-07	2024-Apr-20	
2003P00296WEHU		2004-Apr-20	HU	04728378.3	E001728	2007-Mar-07	2024-Apr-20	
2003P00296WEIE		2004-Apr-20	IE	04728378.3	1623511	2007-Mar-07	2024-Apr-20	
2003P00296WEIT		2004-Apr-20	IT	04728378.3	1623511	2007-Mar-07	2024-Apr-20	
2003P00296WELU		2004-Apr-20	LU	04728378.3	1623511	2007-Mar-07	2024-Apr-20	
2003P00296WEMC		2004-Apr-20	MC	04728378.3	1623511	2007-Mar-07	2024-Apr-20	
2003P00296WENL		2004-Apr-20	NL	04728378.3	1623511	2007-Mar-07	2024-Apr-20	
2003P00296WEPL		2004-Apr-20	PL	04728378.3	1623511	2007-Mar-07	2024-Apr-20	
2003P00296WEPT		2004-Apr-20	PT	04728378.3	1623511	2007-Mar-07	2024-Apr-20	
2003P00296WERO		2004-Apr-20	RO	04728378.3	1623511	2007-Mar-07	2024-Apr-20	
2003P00296WESE		2004-Apr-20	SE	04728378.3	1623511	2007-Mar-07	2024-Apr-20	
2003P00296WESI		2004-Apr-20	SI	P200430321	1623511	2007-Mar-07	2024-Apr-20	
2003P00296WETR		2004-Apr-20	TR	2007/03585	1623511	2007-Mar-07	2024-Apr-20	
2003P00296WOAU		2004-Apr-20	AU	2004237463	2004237463	2008-Oct-02	2024-Apr-20	
2003P00296WOBR		2004-Apr-20	BR	PI 0409908-7			2024-Apr-20	
2003P00296WOCA		2004-Apr-20	CA	2524516	2524516	2008-Jun-17	2024-Apr-20	
2003P00296WOCN		2004-Apr-20	CN	200480011939.2	200480011939.2	2010-Sep-29	2024-Apr-20	
2003P00296WOID		2004-Apr-20	ID	W-00 2005 02942	W-09-0023020	2009-Mar-16	2024-Apr-20	
2003P00296WOIN		2004-Apr-20	IN	2855/CHENP/2005	228133	2009-Jan-28	2024-Apr-20	
2003P00296WOJP		2004-Apr-20	JP	06-506550	3980049	2007-Jul-06	2024-Apr-20	
2003P00296WOKR		2004-Apr-20	KR	2005-7020877	1085993	2011-Nov-22	2024-Apr-20	
2003P00296WOMX		2004-Apr-20	MX	05/011790	254603	2008-Feb-13	2024-Apr-20	
2003P00296WOPH		2004-Apr-20	PH	1-2005-501964	1-2005-501964	2009-Sep-30	2024-Apr-20	
2003P00296WORU		2004-Apr-20	RU	2005137694	2321948	2008-Apr-10	2024-Apr-20	
2003P00296WOSG		2004-Apr-20	SG	200506898.6	116387	2007-Oct-31	2024-Apr-20	
2003P00296WOUA		2004-Apr-20	UA	2005 10352	86933	2009-Jun-10	2024-Apr-20	
2003P00296WOUS		2004-Apr-20	US	10/555018	8134929	2012-Mar-13	2026-Sep-10	
2003P00296WOVN		2004-Apr-20	VN	1-2005-01778	6710	2007-Nov-19	2024-Apr-20	
2003P00296WOZA		2004-Apr-20	ZA	2005/08893	2005/08893	2007-Mar-28	2024-Apr-20	
2003P00580 TW	Scaling of Output Power	2004-Aug-06	TW	093123727	1455506	2014-Oct-01	2024-Aug-06	2003-Aug-11
2003P00580WEDE	for ACK/NACK	2004-Aug-04	DE	04744263.7	602004019788.2	2009-Mar-04	2024-Aug-04	
2003P00580WEES	Transmission	2004-Aug-04	ES	04744263.7	1656746	2009-Mar-04	2024-Aug-04	
2003P00580WEFR		2004-Aug-04	FR	04744263.7	1656746	2009-Mar-04	2024-Aug-04	
2003P00580WEGB		2004-Aug-04	GB	04744263.7	1656746	2009-Mar-04	2024-Aug-04	
2003P00580WEIT		2004-Aug-04	IT	04744263.7	1656746	2009-Mar-04	2024-Aug-04	
2003P00580WENL		2004-Aug-04	NL	04744263.7	1656746	2009-Mar-04	2024-Aug-04	
2003P00580WEPL		2004-Aug-04	PL	04744263.7	1656746	2009-Mar-04	2024-Aug-04	
2003P00580WERO		2004-Aug-04	RO	04744263.7	1656746	2009-Mar-04	2024-Aug-04	
2003P00580WETR		2004-Aug-04	TR	04744263.7	2009/03697	2009-Mar-04	2024-Aug-04	
2003P00580WOCN		2004-Aug-04	CN	200480022927.X	200480022927.X	2012-Jan-11	2024-Aug-04	
2003P00580WOJP		2004-Aug-04	JP	2006-523078	4543037	2010-Jul-02	2024-Aug-04	
2003P00580WOKR		2004-Aug-04	KR	2006-7002792	1160604	2012-Jun-21	2024-Aug-04	
2003P00580WOUS		2004-Aug-04	US	10/567042	7831271	2010-Nov-09	2027-Sep-30	
1999P00861 TW	Low Overhead Power	1999-Sep-29	TW	88116756	142204	2002-Feb-01	2019-Sep-29	1999-Jan-16
1999P00861 US	Control Channel	2000-Jan-06	US	09/478468	6668168	2003-Dec-23	2020-Jan-06	
1999P00861 US01		2003-Oct-27	US	10/694555	7127247	2006-Oct-24	2020-Jan-06	
1999P00861WEDE		1999-Dec-24	DE	99967985.5	69932707.5	2006-Aug-09	2019-Dec-24	
1999P00861WEFR		1999-Dec-24	FR	99967985.5	1062830	2006-Aug-09	2019-Dec-24	
1999P00861WEGB		1999-Dec-24	GB	99967985.5	1062830	2006-Aug-09	2019-Dec-24	
1999P00861WEIT		1999-Dec-24	IT	99967985.5	1062830	2006-Aug-09	2019-Dec-24	
1999P00861WOCN		1999-Dec-24	CN	99806256.1	99806256.1	2004-Aug-04	2019-Dec-24	
1999P00861WOJP		1999-Dec-24	JP	00-594282	4637364	2010-Dec-03	2019-Dec-24	
1999P00861WOKR		1999-Dec-24	KR	10-2000-7010124	10-0888033	2009-Mar-03	2019-Dec-24	

5. 7c.

Internal reference	Title	Filing date	Country	Application	Grant	Grant date	Expiry Date	Priority date
2000P00589 US	Power Change in	2001-Sep-13	US	09/951638	7715858	2010-May-11	2026-Feb-20	2000-Sep-15
2000P00589WEDE	Soft Handover	2001-Sep-03	DE	01978336.4	60113641.1	2005-Sep-28	2021-Sep-03	
2000P00589WEFR		2001-Sep-03	FR	01978336.4	1234390	2005-Sep-28	2021-Sep-03	
2000P00589WEGB		2001-Sep-03	GB	01978336.4	1234390	2005-Sep-28	2021-Sep-03	
2000P00589WEIT		2001-Sep-03	IT	01978336.4	1234390	2005-Sep-28	2021-Sep-03	
2000P00589WOCN		2001-Sep-03	CN	01803711.9	01803711.9	2006-Jan-11	2021-Sep-03	
2000P00589WOJP		2001-Sep-03	JP	02-527085	4931324	2012-Feb-24	2021-Sep-03	
2000P00589WOKR		2001-Sep-03	KR	10-2002-7006242	10-0810925	2008-Feb-29	2021-Sep-03	
2000P00523 JP01	Allocation of	2001-Sep-05	JP	2012-112292	5128714	2012-Nov-09	2022-Nov-24	2000-Sep-15
2000P00523 US	Multipath Signals	2001-Sep-13	US	09/951946	7162243	2007-Jan-09	2022-Nov-24	
2000P00523 US01		2001-Sep-13	US	11/616343	8112086	2012-Feb-07	2021-Sep-13	
2000P00523WEDE		2001-Sep-05	DE	01978342.2	60107530.7	2004-Dec-01	2021-Sep-05	
2000P00523WEFR		2001-Sep-05	FR	01978342.2	1232578	2004-Dec-01	2021-Sep-05	
2000P00523WEGB		2001-Sep-05	GB	01978342.2	1232578	2004-Dec-01	2021-Sep-05	
2000P00523WOCN		2001-Sep-05	CN	01803648.1	01803648.1	2005-Sep-07	2021-Sep-05	
2000P00523WOJP		2001-Sep-05	JP	02-527088	5301068	2013-Jun-28	2021-Sep-05	
2000P00523WOKR		2001-Sep-05	KR	10-2002-7006148	10-0826686	2008-Apr-24	2021-Sep-05	
2001P00098 TW	ARQ in MIMO Systems	2002-Apr-19	TW	091108131	NI-197479	2004-Jun-17	2022-Apr-19	2001-Apr-25
2001P00098 US		2002-Apr-23	US	10/128636			2022-Apr-23	
2001P00098 US01								
2001P00098WEDE		2002-Apr-12	DE	02724544.8	60229230.1	2008-Oct-08	2022-Apr-12	
2001P00098WEFR		2002-Apr-12	FR	02724544.8	1386422	2008-Oct-08	2022-Apr-12	
2001P00098WEGB		2002-Apr-12	GB	02724544.8	1386422	2008-Oct-08	2022-Apr-12	
2001P00098WEIT		2002-Apr-12	IT	02724544.8	1386422	2008-Oct-08	2022-Apr-12	
2001P00098WOCN		2002-Apr-12	CN	02801341.7	02801341.7	2009-May-20	2022-Apr-12	
2001P00098WOIN		2002-Apr-12	IN	IN/PCT/02/02140	224282	2008-Oct-10	2022-Apr-12	
2001P00098WOJP		2002-Apr-12	JP	02-584499	4229705	2008-Dec-12	2022-Apr-12	
2001P00098WOKR		2002-Apr-12	KR	10-2002-7017661	10-0918011	2009-Sep-11	2022-Apr-12	
2001P00098WOMX		2002-Apr-12	MX	02-012784			2022-Apr-12	
2003P00729 TW	Reporting of	2004-May-10	TW	093113090	1367041	2012-Jun-21	2024-May-10	2003-May-13
2003P00729WEDE	Channel Quality	2004-May-06	DE	04731427.3	602004005327.9	2007-Mar-14	2024-May-06	2003-Oct-03
2003P00729WEFR		2004-May-06	FR	04731427.3	1625673	2007-Mar-14	2024-May-06	
2003P00729WEGB		2004-May-06	GB	04731427.3	1625673	2007-Mar-14	2024-May-06	
2003P00729WOCN		2004-May-06	CN	200480012993.9	200480012993.9	2009-Dec-23	2024-May-06	
2003P00729WOJP		2004-May-06	JP	2006-530646	4415017	2009-Nov-27	2024-May-06	
2003P00729WOKR		2004-May-06	KR	2005-7021448	10-1011665	2011-Jan-24	2024-May-06	
2003P00729WOUS		2004-May-06	US	10/556007	7760679	2010-Jul-20	2027-Jul-04	
2006P02132 US	CQI Signalling	2015-Jul-01	US	14/789191			2027-Aug-28	2006-Aug-28
2006P02132WE		2007-Aug-28	EP	07826159.1			2027-Aug-28	2006-Sep-15
2006P02132WOCN		2007-Aug-28	CN	200780032521.3	200780032521.3	2013-Sep-18	2027-Aug-28	
2006P02132WOIN		2007-Aug-28	IN	1196/CHENP/2009			2027-Aug-28	
2006P02132WOJP		2007-Aug-28	JP	09-526237	5474549	2014-Feb-14	2027-Aug-28	
2006P02132WOKR		2007-Aug-28	KR	10-2009-7003777	10-1483666	2015-Jan-12	2027-Aug-28	
2006P02132WOUS		2007-Aug-28	US	12/439001	8542757	2013-Sep-24	2029-Jul-02	
2006P02606 TW	Code allocation	2007-Dec-11	TW	096147325	1440379	2014-Jun-01	2027-Dec-11	2006-Dec-14
2006P02606WEDE	for HSDPA	2007-Dec-06	DE	07857262.5	2095578	2015-Aug-26	2027-Dec-06	2007-Jan-15
2006P02606WEES		2007-Dec-06	ES	07857262.5	2095578	2015-Aug-26	2027-Dec-06	
2006P02606WEFR		2007-Dec-06	FR	07857262.5	2095578	2015-Aug-26	2027-Dec-06	
2006P02606WEGB		2007-Dec-06	GB	07857262.5	2095578	2015-Aug-26	2027-Dec-06	
2006P02606WEIS		2007-Dec-06	IS	07857262.5	2095578	2015-Aug-26	2027-Dec-06	
2006P02606WEIT		2007-Dec-06	IT	07857262.5	2095578	2015-Aug-26	2027-Dec-06	
2006P02606WEMT		2007-Dec-06	MT	07857262.5	2095578	2015-Aug-26	2027-Dec-06	
2006P02606WENL		2007-Dec-06	NL	07857262.5	2095578	2015-Aug-26	2027-Dec-06	
2006P02606WEPL		2007-Dec-06	PL	07857262.5	2095578	2015-Aug-26	2027-Dec-06	
2006P02606WETR		2007-Dec-06	TR	07857262.5	2095578	2015-Aug-26	2027-Dec-06	
2006P02606WOCN		2007-Dec-06	CN	200780046206.6			2027-Dec-06	
2006P02606WOJP		2007-Dec-06	JP	09-540724	5455640	2014-Jan-17	2027-Dec-06	
2006P02606WOUS		2007-Dec-06	US	12/518300			2027-Dec-06	
1981P00661 US	Random Access	1992-Aug-12	US	06/407691	5088094	1992-Feb-11	2006-Mar-21	1981-Aug-22
1981P00661 US01	Mechanism in Mobile	1986-Jul-15	US	06/885764	4815073	1989-Mar-21	2006-Mar-21	
1984P00412 CA	User Authentication	1985-Mar-21	CA	477182	1242501	1988-Sep-27	2005-Sep-27	1984-Mar-24
1984P00412 DE01		1984-Mar-24	DE	P3448393.4	3448393	1991-Aug-13	2004-Mar-24	
1984P00412 FR		1985-Mar-22	FR	8504295	2561841	1991-Apr-01	2005-Mar-22	
1984P00412 JP		1985-Mar-25	JP	85-60508	2130818	1997-Jul-18	2005-Mar-25	
1984P00412 JP01		1993-Jan-28	JP	93-12468	2759732	1998-Mar-20	2005-Mar-25	

7.7

Internal reference	Title	Filing date	Country	Application	Grant	Grant date	Expiry Date	Priority date
1984P00127 AU	CPCH Access Procedure	1985-Sep-24	AU	85-47818	577000	1989-Jan-24	2005-Sep-24	1984-Sep-26
1984P00127 CA		1985-Sep-17	CA	490935	1242537	1988-Sep-27	2005-Sep-27	
1984P00127 DK		1985-Sep-23	DK	85-4306	167888	1993-Dec-27	2005-Sep-23	
1984P00107 HK		1985-Sep-20	HK		0930541	1993-Jun-03	2005-Sep-20	
1984P00117 JP		1985-Sep-24	JP	85-210878	1957590	1995-Aug-10	2005-Sep-24	
1994G00107 US		1995-Aug-26	US	06/769282	4672608	1987-Jun-09	2005-Aug-26	
1984P00127EPBE		1985-Sep-20	BE	85201509.8	0177094	1991-Dec-27	2005-Sep-20	
1984P00127EPBE01		1989-Mar-09	BE	89200593.5	0321454	1993-Jan-27	2005-Sep-20	
1984P00127EPCH		1985-Sep-20	CH	85201509.8	0177094	1991-Dec-27	2005-Sep-20	
1984P00127EPCH01		1989-Mar-09	CH	89200593.5	0321454	1993-Jan-27	2005-Sep-20	
1984P00127EPDE		1985-Sep-20	DE	85201509.8	3585012	1991-Dec-27	2005-Sep-20	
1984P00127EPDE01		1989-Mar-09	DE	89200593.5	3587049	1993-Jan-27	2005-Sep-20	
1984P00127EPFR		1985-Sep-20	FR	85201509.8	0177094	1991-Dec-27	2005-Sep-20	
1984P00127EPFR01		1989-Mar-09	FR	89200593.5	0321454	1993-Jan-27	2005-Sep-20	
1984P00127EPGB		1985-Sep-20	GB	85201509.8	0177094	1991-Dec-27	2005-Sep-20	
1984P00127EPGB01		1989-Mar-09	GB	89200593.5	0321454	1993-Jan-27	2005-Sep-20	
1984P00127EPIT		1985-Sep-20	IT	85201509.8	0177094	1991-Dec-27	2005-Sep-20	
1984P00127EPIT01		1989-Mar-09	IT	89200593.5	0321454	1993-Jan-27	2005-Sep-20	
1984P00127EPSE		1985-Sep-20	SE	85201509.8	0177094	1991-Dec-27	2005-Sep-20	
1984P00127EPSE01		1989-Mar-09	SE	89200593.5	0321454	1993-Jan-27	2005-Sep-20	
1985P00297 AU	Supported Services	1986-May-02	AU	86-57048	587616	1989-Dec-14	2006-May-02	1995-May-04
1985P00297 DK		1986-May-01	DK	86-2006	170869	1996-Feb-19	2006-May-01	
1985P00297 JP		1986-May-01	JP	86-99522	2583489	1996-Nov-21	2006-May-01	
1985P00297 JP01		1995-Mar-20	JP	95-61236	2637380	1997-Apr-25	2006-May-01	
1985P00297 US		1986-Apr-28	US	06/855916	4748681	1988-May-31	2006-Apr-28	
1985P00297EPAT		1986-Apr-29	AT	86200724.2	E91210	1993-Jun-30	2006-Apr-29	
1985P00297EPCH		1986-Apr-29	CH	86200724.2	0201126	1993-Jun-30	2006-Apr-29	
1985P00297EPDE		1986-Apr-29	DE	86200724.2	3688635.1	1993-Jun-30	2006-Apr-29	
1985P00297EPFR		1986-Apr-29	FR	86200724.2	0201126	1993-Jun-30	2006-Apr-29	
1985P00297EPGB		1986-Apr-29	GB	86200724.2	0201126	1993-Jun-30	2006-Apr-29	
1985P00297EPIT		1986-Apr-29	IT	86200724.2	0201126	1993-Jun-30	2006-Apr-29	
1985P00297EPSE		1986-Apr-29	SE	86200724.2	0201126	1993-Jun-30	2006-Apr-29	
1985P00349 JP	Variable Time Slot	1986-Jul-28	JP	86-175839	2737873	1998-Jan-16	2006-Jul-28	1985-Jul-31
1985P00349 US	Duration	1986-Jul-30	US	06/891982	4763322	1988-Aug-09	2006-Jul-30	
1985P00349EPCH		1986-Jul-21	CH	86201267.1	0210698	1993-Jul-07	2006-Jul-21	
1985P00349EPDE		1986-Jul-21	DE	86201267.1	3688661.0	1993-Jul-07	2006-Jul-21	
1985P00349EPFR		1986-Jul-21	FR	86201267.1	0210698	1993-Jul-07	2006-Jul-21	
1985P00349EPGB		1986-Jul-21	GB	86201267.1	0210698	1993-Jul-07	2006-Jul-21	
1985P00349EPIT		1986-Jul-21	IT	86201267.1	0210698	1993-Jul-07	2006-Jul-21	
1986P00055 CA	Co-channel	1987-Mar-05	CA	531224	1272816	1990-Aug-14	2007-Aug-14	1986-Mar-08
1986P00055 FI	Measurements for	1987-Mar-05	FI	870968	85788	1992-May-25	2007-Mar-05	
1986P00055 JP	Handover	1987-Mar-05	JP	87-49010	2532865	1996-Jun-27	2007-Mar-05	
1986P00055 US		1987-Mar-03	US	07/021105	4765753	1988-Aug-23	2007-Mar-03	
1986P00055EPDE		1987-Feb-25	DE	87200316.5	3787916.2	1993-Oct-27	2007-Feb-25	
1986P00055EPFR		1987-Feb-25	FR	87200316.5	0241954	1993-Oct-27	2007-Feb-25	
1986P00055EPGB		1987-Feb-25	GB	87200316.5	0241954	1993-Oct-27	2007-Feb-25	
1986P00514 AU	Two Stage Channel	1987-Apr-02	AU	87-70993	599967	1991-Jan-15	2007-Apr-02	1986-Apr-04
1986P00514 CA	Selection Method	1987-Apr-02	CA	533695	1274280	1990-Jan-18	2009-Apr-16	
1986P00514 DE		1986-Apr-04	DE	P3611301.8	3611301	1997-Jun-02	2006-Apr-04	
1986P00514 JP		1987-Apr-01	JP	87-77653	2735545	1998-Jan-09	2007-Apr-01	
1986P00514 US		1987-Mar-30	US	07/032416	4850033	1989-Jul-18	2007-Mar-30	
1986P00514EPAT		1987-Mar-25	AT	87200545.9	E85741	1993-Feb-10	2007-Mar-25	
1986P00514EPCH		1987-Mar-25	CH	87200545.9	0240073	1993-Feb-10	2007-Mar-25	
1986P00514EPDE		1987-Mar-25	DE	87200545.9	3784087.8	1993-Feb-10	2007-Mar-25	
1986P00514EPES		1987-Mar-25	ES	87200545.9	2039425	1993-Feb-10	2007-Mar-25	
1986P00514EPFR		1987-Mar-25	FR	87200545.9	0240073	1993-Feb-10	2007-Mar-25	
1986P00514EPGB		1987-Mar-25	GB	87200545.9	0240073	1993-Feb-10	2007-Mar-25	
1986P00514EPIT		1987-Mar-25	IT	87200545.9	0240073	1993-Feb-10	2007-Mar-25	
1986P00514EPSE		1987-Mar-25	SE	87200545.9	0240073	1993-Feb-10	2007-Mar-25	

7.76.

Internal reference	Title	Filing date	Country	Application	Grant	Grant date	Expiry Date	Priority date
1986P00316 AU	Storage of Cell	1987-Sep-15	AU	87-78404	604500	1991-Apr-12	2007-Sep-15	1986-Sep-18
1986P00316 CA	Information	1987-Sep-16	CA	547066	1276681	1990-Nov-20	2007-Nov-20	
1986P00316 DK		1987-Sep-15	DK	87-4831	172965	1999-Oct-25	2007-Sep-15	
1986P00316 FI		1987-Sep-15	FI	874018	84120	1991-Oct-10	2007-Sep-15	
1986P00316 GB		1986-Sep-18	GB	8622506	2195513	1990-Dec-19	2006-Sep-18	
1986P00316 JP		1987-Sep-18	JP	87-232685	2556868	1996-Sep-05	2007-Sep-18	
1986P00316 NZ		1987-Sep-15	NZ	221809	221809	1990-Aug-14	2007-Sep-15	
1986P00316 US		1987-Sep-16	US	07/098443	4876738	1989-Oct-24	2007-Sep-16	
1986P00316EPCH		1987-Sep-17	CH	87201769.4	0260763	1995-May-31	2007-Sep-17	
1986P00316EPCH01		1987-Sep-17	CH	93201983.9	0569106	1998-May-20	2007-Sep-17	
1986P00316EPDE		1987-Sep-17	DE	87201769.4	3751327.3	1995-May-31	2007-Sep-17	
1986P00316EPDE01		1987-Sep-17	DE	93201983.9	3752192	1998-May-20	2007-Sep-17	
1986P00316EPFR		1987-Sep-17	FR	87201769.4	0260763	1995-May-31	2007-Sep-17	
1986P00316EPFR01		1987-Sep-17	FR	93201983.9	0569106	1998-May-20	2007-Sep-17	
1986P00316EPGB		1987-Sep-17	GB	87201769.4	0260763	1995-May-31	2007-Sep-17	
1986P00316EPGB01		1987-Sep-17	GB	93201983.9	0569106	1998-May-20	2007-Sep-17	
1986P00316EPIT		1987-Sep-17	IT	87201769.4	0260763	1995-May-31	2007-Sep-17	
1986P00316EPIT01		1987-Sep-17	IT	93201983.9	0569106	1998-May-20	2007-Sep-17	
1986P00316EPSE		1987-Sep-17	SE	87201769.4	0260763	1995-May-31	2007-Sep-17	
1986P00316EPSE01		1987-Sep-17	SE	93201983.9	0569106	1998-May-20	2007-Sep-17	
1982P00658 AU	Control Channel	1983-Dec-15	AU	83-22438	574055	1988-Oct-12	2003-Dec-15	1982-Dec-17
1982P00658 CA	Selection	1983-Dec-15	CA	443365	1230384	1987-Dec-15	2004-Dec-15	
1982P00658 JP		1983-Dec-16	JP	83-236508	2879056	1999-Jan-29	2003-Dec-16	
1982P00658 US		1983-Dec-16	US	06/562383	4633509	1986-Dec-30	2003-Dec-30	
1982P00658EPBE		1983-Dec-14	BE	83201767.7	0111972	1989-May-31	2003-Dec-14	
1982P00658EPDE		1983-Dec-14	DE	83201767.7	3380016.2	1989-May-31	2003-Dec-14	
1982P00658EPFR		1983-Dec-14	FR	83201767.7	0111972	1989-May-31	2003-Dec-14	
1982P00658EPGB		1983-Dec-14	GB	83201767.7	0111972	1989-May-31	2003-Dec-14	
1982P00658EPSE		1983-Dec-14	SE	83201767.7	0111972	1989-May-31	2003-Dec-14	
1982P00529 CA	Radio Link Monitoring	1983-Dec-15	CA	443364	1241379	1988-Aug-30	2005-Aug-30	1982-Dec-18
1982P00529 ES		1983-Dec-16	ES	528102	528102	1984-May-21	2004-May-21	
1982P00529 FI		1983-Dec-15	FI	834625	76657	1988-Nov-10	2003-Dec-15	
1982P00529 JP		1983-Dec-15	JP	83-235209	1957562	1995-Aug-10	2003-Dec-15	
1982P00529 NO		1983-Dec-16	NO	19834670	162989	1990-Mar-14	2003-Dec-16	
1982P00529 ZA		1983-Dec-09	ZA	83-9204	83-9204	1985-Jul-31	2003-Dec-09	
1982P00529EPAT		1983-Dec-14	AT	83201768.5	646802	1989-Sep-27	2003-Dec-14	
1982P00529EPBE		1983-Dec-14	BE	83201768.5	0111973	1989-Sep-27	2003-Dec-14	
1982P00529EPCH		1983-Dec-14	CH	83201768.5	0111973	1989-Sep-27	2003-Dec-14	
1982P00529EPDE		1983-Dec-14	DE	83201768.5	3380660.8	1989-Sep-27	2003-Dec-14	
1982P00529EPFR		1983-Dec-14	FR	83201768.5	0111973	1989-Sep-27	2003-Dec-14	
1982P00529EPGB		1983-Dec-14	GB	83201768.5	0111973	1989-Sep-27	2003-Dec-14	
1982P00529EPIT		1983-Dec-14	IT	83201768.5	0111973	1989-Sep-27	2003-Dec-14	
1982P00529EPNL		1983-Dec-14	NL	83201768.5	0111973	1989-Sep-27	2003-Dec-14	
1982P00529EPSE		1983-Dec-14	SE	83201768.5	0111973	1989-Sep-27	2003-Dec-14	
2005P01364WE	Physical layer	2006-May-10	EP	06744898.5			2026-May-10	2005-May-18
2005P01364WOCN	configuration and the	2006-May-10	CN	200680016766.2	200680016766.2	2011-Sep-07	2026-May-10	
2005P01364WOIN	relevant schemes	2006-May-10	IN	5234/CHENP/2007			2026-May-10	
2005P01364WOJP	proposed for EUL in TDD	2006-May-10	JP	08-511833	4986998	2012-May-11	2026-May-10	
2005P01364WOKR	CDMA cellular system	2006-May-10	KR	10-2007-7026510	10-1340907	2013-Dec-06	2026-May-10	
2005P01364WOUS		2006-May-10	US	11/914761	8488453	2013-Jul-16	2028-Dec-17	
2005P01882WE	Power allocation	2006-Sep-27	EP	06821153.1			2026-Sep-27	2005-Sep-28
2005P01882WOKR	between multiple	2006-Sep-27	KR	10-2008-7007160			2026-Sep-27	
2005P01882WOUS	channels	2006-Sep-27	US	12/067984			2026-Sep-27	
2005P02006 TW	A Non-Linear	2006-Jul-07	TW	095124927	1394387	2013-Apr-21	2026-Jul-07	2005-Jul-08
2005P02006WEDE	Coordinated Encoding	2006-Jul-06	DE	06766025.8	602006019431.5	2011-Jan-05	2026-Jul-06	
2005P02006WEES	Scheme for the MIMO	2006-Jul-06	ES	06766025.8	1905171	2011-Jan-05	2026-Jul-06	
2005P02006WEFR	Downlink	2006-Jul-06	FR	06766025.8	1905171	2011-Jan-05	2026-Jul-06	
2005P02006WEGB		2006-Jul-06	GB	06766025.8	1905171	2011-Jan-05	2026-Jul-06	
2005P02006WEIT		2006-Jul-06	IT	06766025.8	1905171	2011-Jan-05	2026-Jul-06	
2005P02006WOCN		2006-Jul-06	CN	200680024741.7	200680024741.7	2011-Oct-05	2026-Jul-06	
2005P02006WOIN		2006-Jul-06	IN	129/CHENP/2008			2026-Jul-06	
2005P02006WOJP		2006-Jul-06	JP	08-520049	4959698	2012-Mar-30	2026-Jul-06	
2005P02006WOKR		2006-Jul-06	KR	10-2008-7000135	10-1311185	2013-Sep-26	2026-Jul-06	
2005P02006WOUS		2006-Jul-06	US	11/994665	8116702	2012-Feb-14	2026-Oct-15	

78.

Internal reference	Title	Filing date	Country	Application	Grant	Grant date	Expiry Date	Priority date
2005P02351 TW	Control Channel Format	2006-Aug-11	TW	095129478	1413367	2013-Oct-21	2026-Aug-11	2005-Aug-16
2005P02351 U501		2013-Oct-21	US	14/134261			2026-Aug-10	2006-Aug-01
2005P02351 WEDE		2006-Aug-10	DE	06780346.0	1917726	2015-Oct-21	2026-Aug-10	
2005P02351 WEES		2006-Aug-10	ES	06780346.0	1917726	2015-Oct-21	2026-Aug-10	
2005P02351 WEFR		2006-Aug-10	FR	06780346.0	1917726	2015-Oct-21	2026-Aug-10	
2005P02351 WEGB		2006-Aug-10	GB	06780346.0	1917726	2015-Oct-21	2026-Aug-10	
2005P02351 WEIT		2006-Aug-10	IT	06780346.0	1917726	2015-Oct-21	2026-Aug-10	
2005P02351 WENL		2006-Aug-10	NL	06780346.0	1917726	2015-Oct-21	2026-Aug-10	
2005P02351 WEPL		2006-Aug-10	PL	06780346.0	1917726	2015-Oct-21	2026-Aug-10	
2005P02351 WERO		2006-Aug-10	RO	06780346.0	1917726	2015-Oct-21	2026-Aug-10	
2005P02351 WETR		2006-Aug-10	TR	06780346.0	1917726	2015-Oct-21	2026-Aug-10	
2005P02351 WO CN		2006-Aug-10	CN	200680029724.2	200680029724.2	2011-Dec-14	2026-Aug-10	
2005P02351 WO IN		2006-Aug-10	IN	791/CHENP/2008			2026-Aug-10	
2005P02351 WO JP	2006-Aug-10	JP	08-526588	4913813	2012-Jan-27	2026-Aug-10		
2005P02351 WO KR	2006-Aug-10	KR	10-2008-7003528	10-1315047	2013-Sep-30	2026-Aug-10		
2005P02351 WO US	2006-Aug-10	US	12/063593	8644266	2014-Feb-04	2029-Jun-24		
2005P02438 U501	Antenna Rate Control for MIMO	2013-Jul-30	US	13/953812			2026-Dec-07	2005-Dec-09
2005P02438 WE		2006-Dec-07	EP	6832139.7			2026-Dec-07	
2005P02438 WO CN		2006-Dec-07	CN	200680045971.1	200680045971.1	2013-Jul-24	2026-Dec-07	
2005P02438 WO IN		2006-Dec-07	IN	2879/CHENP/2008			2026-Dec-07	
2005P02438 WO JP		2006-Dec-07	JP	08-543984	5507846	2014-Mar-28	2026-Dec-07	
2005P02438 WO KR		2006-Dec-07	KR	10-2008-7013411	10-1377729	2014-Feb-13	2026-Dec-07	
2005P02438 WO US		2006-Dec-07	US	12/096194	8520568	2013-Aug-27	2029-Mar-29	
2006P00336 WEDE		2007-Feb-15	DE	07705886.5	602007017495.3	2011-Sep-28	2027-Feb-15	2006-Mar-03
2006P00336 WEES	2007-Feb-15	ES	07705886.5	1994669	2011-Sep-28	2027-Feb-15		
2006P00336 WEFR	2007-Feb-15	FR	07705886.5	1994669	2011-Sep-28	2027-Feb-15		
2006P00336 WEGB	2007-Feb-15	GB	07705886.5	1994669	2011-Sep-28	2027-Feb-15		
2006P00336 WENL	2007-Feb-15	NL	07705886.5	1994669	2011-Sep-28	2027-Feb-15		
2006P00336 WETR	2007-Feb-15	TR	07705886.5	TR201111924T4	2011-Sep-28	2027-Feb-15		
2006P00336 WO CN	2007-Feb-15	CN	200780007545.3	200780007545.3	2013-Mar-27	2027-Feb-15		
2006P00336 WO IN	2007-Feb-15	IN	4659/CHENP/2008			2027-Feb-15		
2006P00336 WO JP	2007-Feb-15	JP	08-556881	4990298	2012-May-11	2027-Feb-15		
2006P00336 WO KR	2007-Feb-15	KR	10-2008-7021303	10-1313782	2013-Sep-25	2027-Feb-15		
2006P00336 WO US	2007-Feb-15	US	12/280998			2027-Feb-15		
2005P03073 JP	Flexible spatial-multiplexing and transmit diversity trade-off	2006-Oct-20	JP	2014-130985			2026-Oct-20	2005-Oct-28
2005P03073 TW		2006-Oct-25	TW	095139430	1410063	2013-Sep-21	2026-Oct-25	2006-Feb-06
2005P03073 U501		2012-Nov-19	US	13/680205			2026-Oct-20	
2005P03073 WE		2006-Oct-20	EP	06809662.7			2026-Oct-20	
2005P03073 WO CN		2006-Oct-20	CN	200680040319.0			2026-Oct-20	
2005P03073 WO IN		2006-Oct-20	IN	2105/CHENP/2008			2026-Oct-20	
2005P03073 WO JP		2006-Oct-20	JP	08-537270			2026-Oct-20	
2005P03073 WO KR		2006-Oct-20	KR	10-2008-7009760	10-1313785	2013-Sep-25	2026-Oct-20	
2005P03073 WO US		2006-Oct-20	US	12/091584	8335272	2012-Dec-18	2029-Aug-06	
2006P01309 WEDE		Improved application of HARQ to multiple antenna schemes	2007-May-04	DE	07735769.7	602007011424.1	2010-Dec-22	2027-May-04
2006P01309 WEFR	2007-May-04		FR	07735769.7	2018730	2010-Dec-22	2027-May-04	
2006P01309 WEGB	2007-May-04		GB	07735769.7	2018730	2010-Dec-22	2027-May-04	
2006P01309 WO CN	2007-May-04		CN	200780016934.2	200780016934.2	2013-Nov-13	2027-May-04	
2006P01309 WO IN	2007-May-04		IN	6114/CHENP/2008			2027-May-04	
2006P01309 WO JP	2007-May-04		JP	09-508625	5355386	2013-Sep-06	2027-May-04	
2006P01309 WO US	2007-May-04		US	12/299815	8259696	2012-Sep-04	2029-Oct-09	
2006P01313 U501	Data transmission in multiple carrier TDD communication systems		2013-Mar-14	US	13/802959			2027-Apr-24
2006P01313 WE		2007-Apr-24	EP	7735613.7			2027-Apr-24	
2006P01313 WO CN		2007-Apr-24	CN	200780016944.6	200780016944.6	2013-Jul-17	2027-Apr-24	
2006P01313 WO JP		2007-Apr-24	JP	09-508563	5461174	2014-Jan-24	2027-Apr-24	
2006P01313 WO KR		2007-Apr-24	KR	10-2008-7027244	10-1376557	2014-Feb-07	2027-Apr-24	
2006P01313 WO US		2007-Apr-24	US	12/300237	8416800	2013-Apr-09	2028-Aug-25	
2006P01458 WE	Two dimension diversity design about space time frequency block coding for MIMO-OFDM system	2007-May-30	EP	07736046.9			2027-May-30	2006-Jun-08
2006P01458 WO CN		2007-May-30	CN	200780021288.9			2027-May-30	
2006P01458 WO IN		2007-May-30	IN	6360/CHENP/2008			2027-May-30	
2006P01458 WO JP		2007-May-30	JP	09-513817	5123295	2012-Nov-02	2027-May-30	
2006P01458 WO KR		2007-May-30	KR	10-2008-7029675	10-1345351	2013-Dec-19	2027-May-30	
2006P01458 WO US		2007-May-30	US	12/303749	8422580	2013-Apr-16	2029-Apr-13	
2006P01864 WE	Repetitive space-time-frequency block coding for MIMO-OFDM systems	2007-Jul-11	EP	07805110.9			2027-Jul-11	2006-Jul-21
2006P01864 WO CN		2007-Jul-11	CN	200780027718.8			2027-Jul-11	
2006P01864 WO JP		2007-Jul-11	JP	2009-520098			2027-Jul-11	
2006P01864 WO KR		2007-Jul-11	KR	10-2009-7000906			2027-Jul-11	
2006P01864 WO US		2007-Jul-11	US	12/374412			2027-Jul-11	

5. 2.



Internal reference	Title	Filing date	Country	Application	Grant	Grant date	Expiry Date	Priority date
2006P01951WEDE	Temporary mobile	2007-Aug-20	DE	07826059.3	602007010318.5	2010-Nov-03	2027-Aug-20	2006-Aug-22
2006P01951WEFR	terminal identity based	2007-Aug-20	FR	07826059.3	2057759	2010-Nov-03	2027-Aug-20	
2006P01951WEGB	on channel state	2007-Aug-20	GB	07826059.3	2057759	2010-Nov-03	2027-Aug-20	
2006P01951WOCN		2007-Aug-20	CN	200780031295.7	200780031295.7	2013-Apr-24	2027-Aug-20	
2006P01951WOIN		2007-Aug-20	IN	975/CHENP/2009			2027-Aug-20	
2006P01951WOJP		2007-Aug-20	JP	09-525154	5474544	2014-Feb-14	2027-Aug-20	
2006P01951WOKR		2007-Aug-20	KR	10-2009-7003263			2027-Aug-20	
2006P01951WOUS		2007-Aug-20	US	12/438188	8902824	2014-Dec-02	2027-Aug-20	
2006P01952 US01	Signalling of	2013-May-28	US	13/903269			2027-Aug-08	2006-Aug-09
2006P01952WEDE	Quantisation Parameters	2007-Aug-08	DE	07826012.2	60 2007 033 384.9	2013-Oct-16	2027-Aug-08	
2006P01952WEFR	for Data Embedded in	2007-Aug-08	FR	07826012.2	2052576	2013-Oct-16	2027-Aug-08	
2006P01952WEGB	Random Access Preamble	2007-Aug-08	GB	07826012.2	2052576	2013-Oct-16	2027-Aug-08	
2006P01952WETR		2007-Aug-08	TR	07826012.2	2052576	2013-Oct-16	2027-Aug-08	
2006P01952WOCN		2007-Aug-08	CN	200780029526.0	200780029526.0	2013-Jun-19	2027-Aug-08	
2006P01952WOIN		2007-Aug-08	IN	717/CHENP/2009			2027-Aug-08	
2006P01952WOJP		2007-Aug-08	JP	09-523433	5137954	2012-Nov-22	2027-Aug-08	
2006P01952WOKR		2007-Aug-08	KR	10-2009-7002342	10-1483234	2014-Aug-11	2027-Aug-08	
2006P01952WOUS		2007-Aug-08	US	12/376581	8472938	2013-Jun-25	2029-Mar-30	
2006P02029WE	CQI (channel quality	2007-Aug-20	EP	07826049.4			2027-Aug-20	2006-Aug-21
2006P02029WOCN	indicator) signalling	2007-Aug-20	CN	200780031164.9	200780031164.9	2013-Jun-19	2027-Aug-20	
2006P02029WOIN	scheme for downlink	2007-Aug-20	IN	933/CHENP/2009			2027-Aug-20	
2006P02029WOJP	MIMO	2007-Aug-20	JP	09-525149	5244104	2013-Apr-12	2027-Aug-20	
2006P02029WOKR		2007-Aug-20	KR	10-2009-7003447	10-1483668	2015-Jan-12	2027-Aug-20	
2006P02029WOUS		2007-Aug-20	US	12/438191			2027-Aug-20	
2006P02031 US01	Space-time Coding	2014-Feb-20	US	14/184833	8971458	2015-Mar-03	2027-Aug-21	2006-Aug-21
2006P02031WE	Applied to Multi-site	2007-Aug-21	EP	07826075.9			2027-Aug-21	
2006P02031WOCN	and Multi-Beam	2007-Aug-21	CN	200780031237.4	200780031237.4	2013-Sep-11	2027-Aug-21	
2006P02031WOIN	Transmission	2007-Aug-21	IN	929/CHENP/2009			2027-Aug-21	
2006P02031WOJP		2007-Aug-21	JP	09-525160	5567338	2014-Jun-27	2027-Aug-21	
2006P02031WOKR		2007-Aug-21	KR	10-2009-7003329			2027-Aug-21	
2006P02031WOUS		2007-Aug-21	US	12/438149	8665987	2014-Mar-04	2030-Jan-02	
2006P02032 TW	Efficient CQI signalling	2007-Aug-17	TW	096130568	1429218	2014-Mar-01	2027-Aug-17	2006-Aug-21
2006P02032 US01	in multi-beam MIMO	2013-Oct-17	US	14/055975			2028-Feb-27	
2006P02032WEDE	systems	2007-Aug-17	DE	07805435.0	60 2007 039 978.5	2015-Jan-07	2027-Aug-17	
2006P02032WEFR		2007-Aug-17	FR	07805435.0	2057768	2015-Jan-07	2027-Aug-17	
2006P02032WEGB		2007-Aug-17	GB	07805435.0	2057768	2015-Jan-07	2027-Aug-17	
2006P02032WETR		2007-Aug-17	TR	07805435.0	2057768	2015-Jan-07	2027-Aug-17	
2006P02032WOCN		2007-Aug-17	CN	200780031278.3	200780031278.3	2013-Nov-20	2027-Aug-17	
2006P02032WOIN		2007-Aug-17	IN	928/CHENP/2009			2027-Aug-17	
2006P02032WOJP		2007-Aug-17	JP	09-525147	5475446	2014-Feb-14	2027-Aug-17	
2006P02032WOKR		2007-Aug-17	KR	10-2009-7003259	10-1484464	2015-Jan-14	2027-Aug-17	
2006P02032WOUS		2007-Aug-17	US	12/438158	8588116	2013-Nov-19	2028-Feb-27	
2006P02382 TW	Joint signalling of	2007-Sep-29	TW	096136685	1436608	2014-May-01	2027-Sep-29	2006-Oct-02
2006P02382WEDE	transmission resources	2007-Sep-28	DE	07826583.2	602007014085.4	2011-Apr-20	2027-Sep-28	
2006P02382WEFR	and modulation scheme	2007-Sep-28	FR	07826583.2	2074708	2011-Apr-20	2027-Sep-28	
2006P02382WEGB		2007-Sep-28	GB	07826583.2	2074708	2011-Apr-20	2027-Sep-28	
2006P02382WOCN		2007-Sep-28	CN	200780036969.2	200780036969.2	2014-Feb-26	2027-Sep-28	
2006P02382WOIN		2007-Sep-28	IN	2403/CHENP/2009			2027-Sep-28	
2006P02382WOJP		2007-Sep-28	JP	09-529842	5068820	2012-Aug-24	2027-Sep-28	
2006P02382WOKR		2007-Sep-28	KR	10-2009-7006646	10-1483665	2015-Jan-12	2027-Sep-28	
2006P02382WOUS		2007-Sep-28	US	12/443731	8331878	2012-Dec-11	2030-Mar-02	
2006P02432WEDE	Hybrid frequency reuse	2007-Oct-30	DE	07826917.2	602007025908.8	2012-Oct-03	2027-Oct-30	2006-Oct-31
2006P02432WEFR	scheme for downlink	2007-Oct-30	FR	07826917.2	2080393	2012-Oct-03	2027-Oct-30	
2006P02432WEGB	control signalling	2007-Oct-30	GB	07826917.2	2080393	2012-Oct-03	2027-Oct-30	
2006P02432WOCN		2007-Oct-30	CN	200780040799.5	200780040799.5	2012-Apr-25	2027-Oct-30	
2006P02432WOIN		2007-Oct-30	IN	3007/CHENP/2009			2027-Oct-30	
2006P02432WOJP		2007-Oct-30	JP	09-534042	5424886	2013-Dec-06	2027-Oct-30	
2006P02432WOKR		2007-Oct-30	KR	10-2009-7008780	10-1431248	2014-Aug-11	2027-Oct-30	
2006P02432WOUS		2007-Oct-30	US	12/447531	8218483	2012-Jul-10	2029-Apr-17	
2007P00407 TW	MAC Header with Flexible	2008-Jan-04	TW	097100513			2028-Jan-04	2007-Jan-09
2007P00407 US	Sequence Number and	2015-Feb-10	US	14/618031			2028-Jan-07	
2007P00407WEDE	Segmentation	2008-Jan-07	DE	08700206.9	602008006530.8	2011-Apr-27	2028-Jan-07	
2007P00407WEFR		2008-Jan-07	FR	08700206.9	2119142	2011-Apr-27	2028-Jan-07	
2007P00407WEGB		2008-Jan-07	GB	08700206.9	2119142	2011-Apr-27	2028-Jan-07	
2007P00407WOCN		2008-Jan-07	CN	200880001979.7	200880001979.7	2012-Sep-05	2028-Jan-07	
2007P00407WOIN		2008-Jan-07	IN	4608/CHENP/2009			2028-Jan-07	
2007P00407WOJP		2008-Jan-07	JP	09-544481	5357051	2013-Sep-06	2028-Jan-07	
2007P00407WOKR		2008-Jan-07	KR	10-2009-7014097	10-1453256	2014-Oct-15	2028-Jan-07	
2007P00407WOUS		2008-Jan-07	US	12/522049	8953519	2015-Feb-10	2030-Feb-27	
2007P00408 CN	A four-antenna STBC	2007-Feb-06	CN	200710001898.4			2008-Mar-06	2007-Feb-06
2007P00408 TW	HARQ scheme	2007-Feb-09	TW	095104914			2027-Feb-09	
2007P00408WE		2008-Feb-04	EP	08702555.5			2028-Feb-04	

JK

Internal reference	Title	Filing date	Country	Application	Grant	Grant date	Expiry Date	Priority date
1999P00442	US Inter-Frequency	1999-Nov-29	US	09/450231	6741577	2004-May-25	2019-Nov-29	1999-Nov-29
1999P00442WEDE	Handover in Wireless	2000-Nov-10	DE	00985037.1	60031406.5	2006-Oct-18	2020-Nov-10	
1999P00442WEFR	CDMA Systems	2000-Nov-10	FR	00985037.1	1195072	2006-Oct-18	2020-Nov-10	
1999P00442WEGB		2000-Nov-10	GB	00985037.1	1195072	2006-Oct-18	2020-Nov-10	
1999P00442WOCN		2000-Nov-10	CN	00803165.7	00803165.7	2009-Mar-11	2020-Nov-10	
1999P00442WOJP		2000-Nov-10	JP	01-541266			2020-Nov-10	
1999P00442WOKR		2000-Nov-10	KR	10-2001-7009497	10-0752612	2007-Aug-21	2020-Nov-10	
1989P00258	AU Mobile radio with	1990-Feb-06	AU	90-49110	631175	1993-May-19	2010-Feb-06	1989-Feb-08
1989P00258	GB Prefenne home-call	1989-Feb-08	GB	8902743.7	2228162	1993-May-19	2009-Feb-08	
1989P00258	JP registration	1990-Feb-07	JP	90-28143	2926621	1999-May-14	2010-Feb-07	
1989P00258	KR	1990-Feb-07	KR	90-1444	168431	1998-Oct-02	2013-Oct-02	
1989P00258	US	1990-Feb-07	US	07/478116	5276905	1994-Jan-04	2011-Jan-04	
1989P00258EPDE		1990-Feb-06	DE	90200260.9	69010026.4	1994-Jun-22	2010-Feb-06	
1989P00258EPFR		1990-Feb-06	FR	90200260.9	0382309	1994-Jun-22	2010-Feb-06	
1989P00258EPGB		1990-Feb-06	GB	90200260.9	0382309	1994-Jun-22	2010-Feb-06	
1989P00258EPIT		1990-Feb-06	IT	90200260.9	0382309	1994-Jun-22	2010-Feb-06	
1989P00258EPSE		1990-Feb-06	SE	90200260.9	0382309	1994-Jun-22	2010-Feb-06	
1989P00664	AU Digital Cordless	1990-May-25	AU	90-55944	626768	1992-Dec-21	2010-May-25	1989-May-26
1989P00664	FI Telephone Systems	1990-May-23	FI	902547	101660	1998-Jul-31	2010-May-23	
1989P00664	JP	1990-May-23	JP	90-133716	3113666	2000-Sep-22	2010-May-23	
1989P00664	KR	1990-May-25	KR	90-7581	146359	1998-May-11	2013-May-11	
1989P00664	TW	1990-May-15	TW	79103928	49041	1991-Nov-04	2010-May-15	
1989P00664	US	1990-May-07	US	07/521298	5042050	1991-Aug-20	2010-May-07	
1989P00664EPDE		1990-May-22	DE	90201288.9	69025429.6	1996-Feb-21	2010-May-22	
1989P00664EPFR		1990-May-22	FR	90201288.9	0399610	1996-Feb-21	2010-May-22	
1989P00664EPGB		1990-May-22	GB	90201288.9	0399610	1996-Feb-21	2010-May-22	
1989P00664EPIT		1990-May-22	IT	90201288.9	0399610	1996-Feb-21	2010-May-22	
1989P00664EPSE		1990-May-22	SE	90201288.9	0399610	1996-Feb-21	2010-May-22	
1989P00088	AU Data Transmission with	1990-May-25	AU	90-55949	641103	1994-Jan-07	2010-May-25	1989-May-26
1989P00088	JP Asymmetric Duplex	1990-May-23	JP	90-133718	3188444	2001-May-11	2010-May-23	
1989P00088	KR	1990-May-25	KR	90-7580	145296	1998-Apr-28	2013-Apr-28	
1989P00088	US	1990-May-23	US	07/527987	5117423	1992-May-26	2010-May-23	
1989P00088EPDE		1990-May-22	DE	90201290.5	69034093.1	2003-Aug-13	2010-May-22	
1989P00088EPFR		1990-May-22	FR	90201290.5	0399612	2003-Aug-13	2010-May-22	
1989P00088EPGB		1990-May-22	GB	90201290.5	0399612	2003-Aug-13	2010-May-22	
1989P00088EPIT		1990-May-22	IT	90201290.5	0399612	2003-Aug-13	2010-May-22	
1989P00088EPSE		1990-May-22	SE	90201290.5	0399612	2003-Aug-13	2010-May-22	
1992P00076	HK Handover	1993-May-14	HK	98114652.3	HK1013390	2000-Apr-07	2013-May-14	1992-May-22
1992P00076	JP	1993-May-21	JP	93-119813	3413243	2008-Mar-28	2013-May-21	
1992P00076	KR	1993-May-17	KR	93-8382	291613	2001-Mar-14	2013-May-17	
1992P00076	US	1993-Apr-08	US	08/044140	5448752	1995-Sep-05	2013-Apr-08	
1992P00076EPDE		1993-May-14	DE	93201382.4	69320102.9	1998-Aug-05	2013-May-14	
1992P00076EPFR		1993-May-14	FR	93201382.4	0571029	1998-Aug-05	2013-May-14	
1992P00076EPGB		1993-May-14	GB	93201382.4	0571029	1998-Aug-05	2013-May-14	
1992P00076EPIT		1993-May-14	IT	93201382.4	0571029	1998-Aug-05	2013-May-14	
1993P00425	US Copying of Reg. Data in	1994-Nov-10	US	08/337594	5694393	1997-Dec-02	2014-Dec-02	1993-Nov-11
1993P00425WEDE	Roam-Path of Mobile	1994-Nov-02	DE	94929617.2	69428586.2	2001-Oct-10	2014-Nov-02	
1993P00425WEFR	Subscriber	1994-Nov-02	FR	94929617.2	0678231	2001-Oct-10	2014-Nov-02	
1993P00425WEGB		1994-Nov-02	GB	94929617.2	0678231	2001-Oct-10	2014-Nov-02	
1993P00425WEIT		1994-Nov-02	IT	94929617.2	0678231	2001-Oct-10	2014-Nov-02	
1993P00425WOJP		1994-Nov-02	JP	95-513710	3643118	2005-Feb-04	2014-Nov-02	
1997P00154	TW Diversity in Multicarrier	1998-Jun-17	TW	87109665	108760	2000-Mar-22	2018-Jun-17	1997-Jul-23
1997P00154	US Systems	1998-Jul-21	US	09/120293			2018-Jul-21	
1997P00154WEDE		1998-Jun-11	DE	98922999.2	69831727.0	2005-Sep-28	2018-Jun-11	
1997P00154WEFR		1998-Jun-11	FR	98922999.2	0941585	2005-Sep-28	2018-Jun-11	
1997P00154WEGB		1998-Jun-11	GB	98922999.2	0941585	2005-Sep-28	2018-Jun-11	
1997P00154WEIT		1998-Jun-11	IT	98922999.2	0941585	2005-Sep-28	2018-Jun-11	
1997P00154WOJP		1998-Jun-11	JP	99-509564	4169796	2008-Aug-15	2018-Jun-11	
1997P00154WOKR		1998-Jun-11	KR	10-1999-7002434	10-0641066	2006-Oct-25	2018-Jun-11	
1998P00219	TW Robust ARQ System	1999-Sep-16	TW	88115957	138623	2001-Dec-06	2019-Sep-16	1998-Sep-30
1998P00219	US	1999-Sep-21	US	09/400764	6898417	2005-May-24	2019-Sep-21	
1998P00219WEDE		1999-Sep-08	DE	99944627.1	69928908.4	2005-Dec-14	2019-Sep-08	
1998P00219WEFR		1999-Sep-08	FR	99944627.1	1046245	2005-Dec-14	2019-Sep-08	
1998P00219WEGB		1999-Sep-08	GB	99944627.1	1046245	2005-Dec-14	2019-Sep-08	
1998P00219WEIT		1999-Sep-08	IT	99944627.1	1046245	2005-Dec-14	2019-Sep-08	
1998P00219WOCN		1999-Sep-08	CN	99802532.1	99802532.1	2004-May-12	2019-Sep-08	
1998P00219WOJP		1999-Sep-08	JP	00-573018	4335457	2009-Jul-03	2019-Sep-08	
1998P00219WOKR		1999-Sep-08	KR	10-2000-7005865	10-0693198	2007-Mar-05	2019-Sep-08	

九九.

Internal reference	Title	Filing date	Country	Application	Grant	Grant date	Expiry Date	Priority date
1999P00673 TW	Combined Random	1999-Oct-21	TW	88118220	NI-133747	2001-Oct-04	2019-Oct-21	1999-Jan-09
1999P00673 US	Access and Fast	1999-Dec-28	US	09/473534	6611514	2003-Aug-26	2019-Dec-28	
1999P00673WEDE	signalling.	1999-Dec-21	DE	99965534.3	69943505.6	2011-Jun-15	2019-Dec-21	
1999P00673WEFR		1999-Dec-21	FR	99965534.3	1062829	2011-Jun-15	2019-Dec-21	
1999P00673WEGB		1999-Dec-21	GB	99965534.3	1062829	2011-Jun-15	2019-Dec-21	
1999P00673WEIT		1999-Dec-21	IT	99965534.3	1062829	2011-Jun-15	2019-Dec-21	
1999P00673WOCN		1999-Dec-21	CN	99805901.3	99805901.3	2004-Mar-24	2019-Dec-21	
1999P00673WOJP		1999-Dec-21	JP	00-594281	4607333	2010-Oct-15	2019-Dec-21	
1999P01028 TW	Handover Algorithm	2000-Feb-14	TW	089102430	NI-194968	2004-May-14	2020-Feb-14	1999-Feb-26
1999P01028 US		2000-Feb-10	US	09/501896	6834189	2004-Dec-21	2020-Feb-10	
1999P01028WOJP		2000-Feb-01	JP	00-603255	4782287	2011-Jul-15	2020-Feb-01	
1999P01028WOKR		2000-Feb-01	KR	10-2000-7011804	10-0695806	2007-Mar-09	2020-Feb-01	
1999P00636 TW	Code Partitioning for	2000-Jun-26	TW	089112526	NI-152827	2002-Apr-01	2020-Jun-26	1999-Jan-09
1999P00636 US	CPCH Acknowledgements	2000-Oct-12	US	09/689055	6925561	2005-Aug-02	2023-May-12	
1999P00636WEDE		2000-Oct-13	DE	00971385.0	60032216.5	2006-Dec-06	2020-Oct-13	
1999P00636WEFR		2000-Oct-13	FR	00971385.0	1157583	2006-Dec-06	2020-Oct-13	
1999P00636WEGB		2000-Oct-13	GB	00971385.0	1157583	2006-Dec-06	2020-Oct-13	
1999P00636WEIT		2000-Oct-13	IT	00971385.0	1157583	2006-Dec-06	2020-Oct-13	
1999P00636WOCN		2000-Oct-13	CN	00804553.4	00804553.4	2004-Apr-28	2020-Oct-13	
1999P00636WOIN		2000-Oct-13	IN	IN/PCT/01/00920	212818	2007-Dec-17	2020-Oct-13	
1999P00636WOJP		2000-Oct-13	JP	2001-534905	4495892	2010-Apr-16	2020-Oct-13	
1999P00636WOKR		2000-Oct-13	KR	10-2001-7008468	10-0743578	2007-Jul-23	2020-Oct-13	
1999P00876 US	Conformance Testing	2000-Nov-13	US	09/710832	6804512	2004-Oct-12	2022-Oct-06	1999-Nov-27
1999P00876 US01	Soft Handover Power	2004-Sep-01	US	10/931832	7116978	2006-Oct-03	2020-Nov-13	
1999P00876WEDE	Control	2000-Nov-10	DE	00983140.5	60001632.3	2003-Mar-12	2020-Nov-10	
1999P00876WEES		2000-Nov-10	ES	00983140.5	1147675	2003-Mar-12	2020-Nov-10	
1999P00876WEFR		2000-Nov-10	FR	00983140.5	1147675	2003-Mar-12	2020-Nov-10	
1999P00876WEGB		2000-Nov-10	GB	00983140.5	1147675	2003-Mar-12	2020-Nov-10	
1999P00876WEIT		2000-Nov-10	IT	00983140.5	1147675	2003-Mar-12	2020-Nov-10	
1999P00876WOCN		2000-Nov-10	CN	00803123.1	00803123.1	2004-Nov-10	2020-Nov-10	
1999P00876WOJP		2000-Nov-10	JP	01-541282	4535658	2010-Jun-25	2020-Nov-10	
1999P00876WOKR		2000-Nov-10	KR	10-2001-7009296	10-0761440	2007-Sep-18	2020-Nov-10	
2002P00722 AR	Wireless Network	2003-Dec-02	AR	P030104432	AR042264	2007-Nov-08	2023-Dec-02	2002-Dec-03
2002P00722 CN	System for Efficiently	2002-Dec-03	CN	02155752.7	02155752.7	2010-Jun-16	2022-Dec-03	
2002P00722 TW	Delivering Multimedia	2003-Nov-14	TW	092132012	1336578	2011-Jan-21	2023-Nov-14	
2002P00722WE		2003-Nov-24	EP	03772532.2			2023-Nov-24	
2002P00722WOBR		2003-Nov-24	BR	PI 0316937-5			2023-Nov-24	
2002P00722WOCA		2003-Nov-24	CA	2508431			2023-Nov-24	
2002P00722WOIN		2003-Nov-24	IN	1126/CHENP/2005	219823	2008-May-13	2023-Nov-24	
2002P00722WOJP		2003-Nov-24	JP	2004-555629	4907087	2012-Jan-20	2023-Nov-24	
2002P00722WOKR		2003-Nov-24	KR	2005-7009976			2023-Nov-24	
2002P00722WOMX		2003-Nov-24	MX	A/2005/005843	288731	2011-Jul-27	2023-Nov-24	
2002P00722WOUS		2003-Nov-24	US	10/536919	8412846	2013-Apr-02	2023-Nov-24	
2002P00979 CN	Method and Device for	2002-Dec-27	CN	02160404.5	02160404.5	2010-May-26	2022-Dec-27	2002-Dec-27
2002P00979 TW	Radio Resource	2003-Dec-05	TW	092134412	1352548	2011-Nov-11	2023-Dec-05	
2002P00979WEDE	Allocation in Multi-Sta	2003-Dec-18	DE	03780458.0	60342206.3	2012-Sep-26	2023-Dec-18	
2002P00979WEFR		2003-Dec-18	FR	03780458.0	1579719	2012-Sep-26	2023-Dec-18	
2002P00979WEGB		2003-Dec-18	GB	03780458.0	1579719	2012-Sep-29	2023-Dec-18	
2002P00979WETR		2003-Dec-18	TR	03780458.0	TR 2012 14701 T4	2012-Sep-26	2023-Dec-18	
2002P00979WOIN		2003-Dec-18	IN	1393/CHENP/2005	226489	2008-Dec-17	2023-Dec-18	
2002P00979WOJP		2003-Dec-18	JP	04-563477	4485957	2010-Apr-02	2023-Dec-18	
2002P00979WOKR		2003-Dec-18	KR	2005-7011934	10-1101373	2011-Dec-26	2023-Dec-18	
2002P00979WOUS		2003-Dec-18	US	10/540690			2023-Dec-18	
1990P00308 KR	Doppler Shift Frequency	1991-Apr-23	KR	91-6481	0238372	1999-Oct-13	2011-Apr-23	1990-Apr-26
1990P00308 US	Correction for Mobile	1991-Apr-25	US	07/691204	5434889	1995-Jul-18	2012-Jul-18	
1990P00308EPDE		1991-Apr-25	DE	91200996.6	59108908.4	1997-Dec-29	2011-Apr-25	
1990P00308EPDK		1991-Apr-25	DK	91200996.6	0454266	1997-Dec-29	2011-Apr-25	
1990P00308EPFR		1991-Apr-25	FR	91200996.6	0454266	1997-Dec-29	2011-Apr-25	
1990P00308EPGB		1991-Apr-25	GB	91200996.6	0454266	1997-Dec-29	2011-Apr-25	
1990P00308EPIT		1991-Apr-25	IT	91200996.6	0454266	1997-Dec-29	2011-Apr-25	
1997P00174 US	Synchronous and Asynchr	1998-Feb-23	US	09/027600	6181947	2001-Jan-30	2018-Feb-23	1997-Feb-28
1998P00099 CN	Fast Uplink Signalling in	1999-Jun-21	CN	99109519.7	100385966	2008-Apr-30	2019-Jun-21	1998-Jun-25
1998P00099 IN	a Wireless Network (II)	1999-Jun-23	IN	676/MAS/99	210272	2007-Sep-25	2019-Jun-23	
1998P00099 JP		1999-Jun-24	JP	99-178992	4321915	2009-Jun-12	2019-Jun-24	
1998P00099 KR		1999-Jun-24	KR	10-1999-0023941	10-0692321	2007-Mar-02	2019-Jun-24	
1998P00099 TW		1999-Jul-12	TW	88111781	NI-138731	2001-Dec-07	2019-Jul-12	
1998P00099 US		1999-Jun-21	US	09/337847	6546062	2003-Apr-08	2019-Jun-21	
1998P00099EPDE		1999-Jun-18	DE	99201946.3	59914258.8	2007-Mar-21	2019-Jun-18	
1998P00099EPFR		1999-Jun-18	FR	99201946.3	0967742	2007-Mar-21	2019-Jun-18	
1998P00099EPGB		1999-Jun-18	GB	99201946.3	0967742	2007-Mar-21	2019-Jun-18	
1998P00099EPIT		1999-Jun-18	IT	99201946.3	0967742	2007-Mar-21	2019-Jun-18	

Internal reference	Title	Filing date	Country	Application	Grant	Grant date	Expiry Date	Priority date	
1998P00240 JP	Fast Uplink Signalling in a Wireless Network (III)	1999-Nov-29	JP	99-338518	4504487	2010-Apr-30	2019-Nov-29	1998-Nov-30	
1998P00240 US		1999-Nov-30	US	09/451268	6901104	2005-May-31	2019-Nov-30		
1998P00240EPDE		1999-Nov-22	DE	99203945.3	59914944.2	2009-Jan-07	2019-Nov-22		
1998P00240EPFR		1999-Nov-22	FR	99203945.3	1006670	2009-Jan-07	2019-Nov-22		
1998P00240EPGB		1999-Nov-22	GB	99203945.3	1006670	2009-Jan-07	2019-Nov-22		
1999P00232 JP	Fast Uplink Signalling	2000-Jan-17	JP	00-8317	4630414	2010-Nov-19	2020-Jan-17	1999-Jan-18	
1999P00232 US		2000-Jan-18	US	09/483922	6711403	2004-Mar-23	2020-Jan-18		
1999P00232EPDE		2000-Jan-11	DE	00200074.3	50015522.4	2009-Jan-14	2020-Jan-11		
1999P00232EPFR		2000-Jan-11	FR	00200074.3	1021003	2009-Jan-14	2020-Jan-11		
1999P00232EPGB		2000-Jan-11	GB	00200074.3	1021003	2009-Jan-14	2020-Jan-11		
1999P00222WEDE	Wireless Network for Requesting a RACH	2000-Jun-29	DE	00952978.5	60042208.9	2009-May-13	2020-Jun-29	1999-Jul-03	
1999P00222WEFR		2000-Jun-29	FR	00952978.5	1198899	2009-May-13	2020-Jun-29		
1999P00222WEGB		2000-Jun-29	GB	00952978.5	1198899	2009-May-13	2020-Jun-29		
1999P00222WEIT		2000-Jun-29	IT	00952978.5	1198899	2009-May-13	2020-Jun-29		
1999P00222WOCN		2000-Jun-29	CN	00801903.7	00801903.7	2009-May-20	2020-Jun-29		
1999P00222WOJP		2000-Jun-29	JP	01-508071	4574919	2010-Aug-27	2020-Jun-29		
1999P00222WOKR		2000-Jun-29	KR	10-2001-7002746	10-0766882	2007-Oct-08	2020-Jun-29		
1999P00222WOUS		2000-Jun-29	US	09/763845	7746915	2010-Jun-29	2020-Nov-10		
1999P00943 CN		Protocol for Allocating a DCH via the RACH	2000-Sep-15	CN	00133115.9			2020-Sep-15	1999-Sep-18
1999P00943 DE			1999-Sep-18	DE	19944862.0			2019-Sep-18	
1999P00943 IN	2000-Sep-15		IN	00-0773			2014-Sep-15		
1999P00943 JP	2000-Sep-18		JP	00-281964			2020-Sep-18		
1999P00943 KR	2000-Sep-15		KR	10-2000-0054307			2020-Sep-15		
1999P00943 TW	2000-May-25		TW	089110146	183716	2003-Dec-16	2020-May-25		
1999P00943 US	2000-Sep-14		US	09/661720			2020-Sep-14		
1999P00943EP	2000-Sep-12			00203162.3			2020-Sep-12		
1999P01016 CN	Cipher Key Change Procedure in UMTS (S)		2000-Nov-25	CN	00138069.9	00138069.9	2005-Apr-27	2020-Nov-25	2000-Mar-28
1999P01016 KR			2000-Nov-28	KR	10-2000-0071173	10-0580049	2007-Feb-01	2020-Nov-28	
1999P01016 US		2000-Nov-22	US	09/718247	6980795	2005-Dec-27	2022-Jul-06		
1999P01016 US01		2005-Jun-01	US	11/142607	7120421	2006-Oct-10	2020-Nov-22		
2000P00297 CN	Traffic Volume Measurement Reporting via the FAUSCH in UMTS	2001-May-16	CN	1121805.3	1121805.3	2009-Sep-09	2021-May-16	2000-May-19	
2000P00297 IN		2001-May-21	IN	413/MA5/2001	219291	2008-Apr-28	2021-May-21		
2000P00297 JP		2001-May-18	JP	01-149831	4699633	2011-Mar-11	2021-May-18		
2000P00297 KR		2001-May-18	KR	10-2001-0027256	10-0783602	2007-Dec-03	2021-May-18		
2000P00297 TW		2001-Jul-05	TW	090116499	185398	2004-Jan-29	2021-Jul-05		
2000P00297 US		2001-May-15	US	09/855577	7023823	2006-Apr-04	2023-Jun-30		
2000P00297 EPDE		2001-May-17	DE	01000151.9	1161046	2015-Jul-08	2021-May-17		
2000P00297 EPFR		2001-May-17	FR	01000151.9	1161046	2015-Jul-08	2021-May-17		
2000P00297 EPGB		2001-May-17	GB	01000151.9	1161046	2015-Jul-08	2021-May-17		
2000P00297 EPIT		2001-May-17	IT	01000151.9	1161046	2015-Jul-08	2021-May-17		
2001P00261WEDE		Packet Channel with no Remaining Collisions	2002-Mar-15	DE	02707041.6	1374621	2014-Apr-30	2022-Mar-15	2001-Mar-17
2001P00261WEFR			2002-Mar-15	FR	02707041.6	1374621	2014-Apr-30	2022-Mar-15	2001-Jul-11
2001P00261WEGB			2002-Mar-15	GB	02707041.6	1374621	2014-Apr-30	2022-Mar-15	
2001P00261WEIT			2002-Mar-15	IT	02707041.6	1374621	2014-Apr-30	2022-Mar-15	
2001P00261WOBR	2002-Mar-15		BR	PI0204487-0			2022-Mar-15		
2001P00261WOCN	2002-Mar-15		CN	02800695.X	02800695.X	2006-Aug-02	2022-Mar-15		
2001P00261WOIN	2002-Mar-15		IN	IN/PCT/02/01879	225569	2008-Nov-19	2022-Mar-15		
2001P00261WOJP	2002-Mar-15		JP	02-573469	4083585	2008-Feb-22	2022-Mar-15		
2001P00261WOKR	2002-Mar-15		KR	10-2002-7015381	10-0944545	2010-Feb-19	2022-Mar-15		
2001P00261WOUS	2002-Mar-15		US	10/258047			2022-Mar-15		
2003P00334 TW	Methods and Devices for Counting User Equipment Units in a M	2004-May-11	TW	093113218	1367040	2012-Jun-21	2024-May-11	2003-May-14	
2003P00334WEDE		2004-May-11	DE	04732157.5	602004026716.3	2010-Apr-21	2024-May-11		
2003P00334WEES		2004-May-11	ES	04732157.5	1625714	2010-Apr-21	2024-May-11		
2003P00334WEFR		2004-May-11	FR	04732157.5	1625714	2010-Apr-21	2024-May-11		
2003P00334WEGB		2004-May-11	GB	04732157.5	1625714	2010-Apr-21	2024-May-11		
2003P00334WEIT		2004-May-11	IT	04732157.5	1625714	2010-Apr-21	2024-May-11		
2003P00334WOCN		2004-May-11	CN	200480012976.5			2024-May-11		
2003P00334WOJP		2004-May-11	JP	06-530797	4528779	2010-Jun-11	2024-May-11		
2003P00334WOKR		2004-May-11	KR	2005-7021674	10-1110799	2012-Jan-20	2024-May-11		
2003P00334WOUS		2004-May-11	US	10/556286	7958542	2011-Jun-07	2024-Oct-29		
2003P00493 TW	Transmission of Data Packets from Transmitter to Receiver	2004-Jul-08	TW	093120418	1354470	2011-Dec-11	2024-Jul-08	2003-Jul-11	
2003P00493WEDE		2004-Jul-01	DE	04744451.8	602004040128.5	2012-Nov-21	2024-Jul-01		
2003P00493WEFR		2004-Jul-01	FR	04744451.8	1647105	2012-Nov-21	2024-Jul-01		
2003P00493WEGB		2004-Jul-01	GB	04744451.8	1647105	2012-Nov-21	2024-Jul-01		
2003P00493WOCN		2004-Jul-01	CN	200480019740.4	200480019740.4	2011-May-04	2024-Jul-01		
2003P00493WOJP		2004-Jul-01	JP	06-520047	4865549	2011-Nov-18	2024-Jul-01		
2003P00493WOKR		2004-Jul-01	KR	2006-7000730			2024-Jul-01		
2003P00493WOUS		2004-Jul-01	US	10/563928	8798015	2014-Aug-05	2024-Jul-01		

7.7.

Internal reference	Title	Filing date	Country	Application	Grant	Grant date	Expiry Date	Priority date
2003P00848WEBE	Data Packet Transmission	2004-Nov-03	BE	04770358.2	1685669	2012-Jan-11	2024-Nov-03	2003-Nov-12
2003P00848WEDE		2004-Nov-03	DE	04770358.2	602004036107.0	2012-Jan-11	2024-Nov-03	
2003P00848WEDK		2004-Nov-03	DK	04770358.2	1685669	2012-Jan-11	2024-Nov-03	
2003P00848WEES		2004-Nov-03	ES	04770358.2	1685669	2012-Jan-11	2024-Nov-03	
2003P00848WEFR		2004-Nov-03	FR	04770358.2	1685669	2012-Jan-11	2024-Nov-03	
2003P00848WEGB		2004-Nov-03	GB	04770358.2	1685669	2012-Jan-11	2024-Nov-03	
2003P00848WEIT		2004-Nov-03	IT	04770358.2	1685669	2012-Jan-11	2024-Nov-03	
2003P00848WENL		2004-Nov-03	NL	04770358.2	1685669	2012-Jan-11	2024-Nov-03	
2003P00848WESE		2004-Nov-03	SE	04770358.2	1685669	2012-Jan-11	2024-Nov-03	
2003P00848WETR		2004-Nov-03	TR	04770358.2	TR 2012 02195 T4	2012-Jan-11	2024-Nov-03	
2003P00848WOCN		2004-Nov-03	CN	200480033154.5	200480033154.3	2010-Aug-18	2024-Nov-03	
2003P00848WOJP		2004-Nov-03	JP	06-539014	4842830	2011-Oct-14	2024-Nov-03	
2003P00848WOKR		2004-Nov-03	KR	2006-7011456	10-1185819	2012-Sep-19	2024-Nov-03	
2003P00848WOUS		2004-Nov-03	US	10/578655	7810007	2010-Oct-05	2026-Jul-06	
1993P00292 KR	Spread Spectrum	1994-Feb-02	KR	94-1868	0432073	2004-May-07	2014-Feb-02	1993-Feb-03
1993P00292 SG	using OFDM	1994-Jan-28	SG	9608539.4	43984	2001-Oct-16	2014-Jan-28	
1993P00292 US		1994-Feb-02	US	08/190397	5504775	1996-Apr-02	2014-Feb-02	
1993P00292EPDE		1994-Jan-28	DE	94200210.6	69428385.1	2001-Sep-26	2014-Jan-28	
1993P00292EPFR		1994-Jan-28	FR	94200210.6	0610988	2001-Sep-26	2014-Jan-28	
1993P00292EPGB		1994-Jan-28	GB	94200210.6	0610988	2001-Sep-26	2014-Jan-28	
1993P00292EPIT		1994-Jan-28	IT	94200210.6	0610988	2001-Sep-26	2014-Jan-28	
1993P00508 JP	Frequency Hopping	1994-Dec-21	JP	94-318784	3693303	2005-Jul-01	2014-Dec-21	1993-Dec-22
1993P00508 KR	Multicarrier System	1994-Dec-22	KR	10-1994-0035844	379047	2003-Mar-25	2014-Dec-22	
1993P00508 SG		1994-Dec-15	SG	9608533.7	48266	2002-Jan-04	2014-Dec-15	
1993P00508 US		1994-Dec-21	US	08/361080	5548582	1996-Aug-20	2014-Dec-21	
1993P00508EPDE		1994-Dec-15	DE	94203635.1	69434353.6	2005-Apr-27	2014-Dec-15	
1993P00508EPFR		1994-Dec-15	FR	94203635.1	0660559	2005-Apr-27	2014-Dec-15	
1993P00508EPGB		1994-Dec-15	GB	94203635.1	0660559	2005-Apr-27	2014-Dec-15	
1993P00508EPIT		1994-Dec-15	IT	94203635.1	0660559	2005-Apr-27	2014-Dec-15	
2000P00435 TW	Offset Random Access	2001-Feb-15	TW	090103428	164372	2003-Feb-21	2021-Feb-15	2000-Mar-28
2000P00435 US	Channel for UMTS	2001-Mar-21	US	09/814384	6954452	2005-Oct-11	2023-Aug-31	
2000P00435WEDE		2001-Mar-07	DE	01931499.6	60107513.7	2004-Dec-01	2021-Mar-07	
2000P00435WEES		2001-Mar-07	ES	01931499.6	1190594	2004-Dec-01	2021-Mar-07	
2000P00435WEFR		2001-Mar-07	FR	01931499.6	1190594	2004-Dec-01	2021-Mar-07	
2000P00435WEGB		2001-Mar-07	GB	01931499.6	1190594	2004-Dec-01	2021-Mar-07	
2000P00435WEIT		2001-Mar-07	IT	01931499.6	1190594	2004-Dec-01	2021-Mar-07	
2000P00435WOCN		2001-Mar-07	CN	01801391.0	01801391.0	2005-Feb-23	2021-Mar-07	
2000P00435WOIN		2001-Mar-07	IN	IN/PCT/01/01663	229080	2009-Feb-13	2021-Mar-07	
2000P00435WOJP		2001-Mar-07	JP	01-570673	4572052	2010-Aug-20	2021-Mar-07	
2000P00435WOKR		2001-Mar-07	KR	10-2001-7015080			2021-Mar-07	
2000P00316 TW	Extended Random Access	2001-Mar-21	TW	090106611	NI-165034	2003-Mar-04	2021-Mar-20	2000-Mar-28
2000P00316 US	Channel for UMTS	2001-Mar-21	US	09/814382	6785548	2004-Aug-31	2022-Sep-28	
2000P00316 US01		2004-Aug-11	US	10/916172	7154918	2007-Jan-16	2021-Mar-21	
2000P00316WEDE		2001-Mar-15	DE	01929434.7	60126888.1	2007-Feb-28	2021-Mar-15	
2000P00316WEES		2001-Mar-15	ES	01929434.7	1203506	2007-Feb-28	2021-Mar-15	
2000P00316WEFR		2001-Mar-15	FR	01929434.7	1203506	2007-Feb-28	2021-Mar-15	
2000P00316WEGB		2001-Mar-15	GB	01929434.7	1203506	2007-Feb-28	2021-Mar-15	
2000P00316WEIT		2001-Mar-15	IT	01929434.7	1203506	2007-Feb-28	2021-Mar-15	
2000P00316WOCN		2001-Mar-15	CN	01801454.2	01801454.2	2006-Jul-26	2021-Mar-15	
2000P00316WOIN		2001-Mar-15	IN	IN/PCT/01/01664	218903	2008-Aug-08	2021-Mar-15	
2000P00316WOJP		2001-Mar-15	JP	01-571573			2021-Mar-15	
2000P00316WOKR		2001-Mar-15	KR	10-2001-7015081	10-0693931	2007-Mar-06	2021-Mar-15	
2000P00189 JP	Transmit Power Control	2001-Mar-28	JP	2011-17793	4921596	2012-Feb-10	2021-Mar-28	2000-Apr-07
2000P00189 TW	of Downlink Channel	2001-Mar-07	TW	090105225	176523	2003-Aug-19	2021-Mar-07	
2000P00189 US		2001-Apr-03	US	09/825276	7164660	2007-Jan-16	2023-Nov-22	
2000P00189WEDE		2001-Mar-28	DE	01919407.5	60147270.5	2012-Oct-24	2021-Mar-28	
2000P00189WEES		2001-Mar-28	ES	01919407.5	1275212	2012-Oct-24	2021-Mar-28	
2000P00189WEFR		2001-Mar-28	FR	01919407.5	1275212	2012-Oct-24	2021-Mar-28	
2000P00189WEGB		2001-Mar-28	GB	01919407.5	1275212	2012-Oct-24	2021-Mar-28	
2000P00189WEIT		2001-Mar-28	IT	01919407.5	1275212	2012-Oct-24	2021-Mar-28	
2000P00189WOCN		2001-Mar-28	CN	01801647.2	01801647.2	2005-Aug-10	2021-Mar-28	
2000P00189WOIN		2001-Mar-28	IN	IN/PCT/01/01716	212800	2007-Dec-17	2021-Mar-28	
2000P00189WOKR		2001-Mar-28	KR	10-2001-7015662	10-0841015	2008-Jun-18	2021-Mar-28	
2000P00259 US	Mobile Timing Reference	2001-Sep-13	US	09/951860	7164914	2007-Jan-16	2024-May-14	2000-Sep-15
2000P00259WEDE	In Soft Handover	2001-Aug-31	DE	01978335.6	60134714.5	2008-Jul-09	2021-Aug-31	
2000P00259WEFR		2001-Aug-31	FR	01978335.6	1228587	2008-Jul-09	2021-Aug-31	
2000P00259WEGB		2001-Aug-31	GB	01978335.6	1228587	2008-Jul-09	2021-Aug-31	
2000P00259WEIT		2001-Aug-31	IT	01978335.6	1228587	2008-Jul-09	2021-Aug-31	
2000P00259WOCN		2001-Aug-31	CN	01803706.2	01803706.2	2006-Jan-04	2021-Aug-31	
2000P00259WOJP		2001-Aug-31	JP	02-528932	4933022	2012-Feb-24	2021-Aug-31	
2000P00259WOKR		2001-Aug-31	KR	10-2002-7006191	10-0762726	2007-Sep-21	2021-Aug-31	

79

Internal reference	Title	Filing date	Country	Application	Grant	Grant date	Expiry Date	Priority date
2000P00623 US	Improved Data	2001-Nov-28	US	09/995467	7167690	2007-Jan-23	2023-Dec-25	2000-Dec-02
2000P00623WEDE	Transmission in MIMO	2001-Nov-22	DE	01999054.8	60132621.0	2008-Jan-23	2021-Nov-22	
2000P00623WEFR	Systems	2001-Nov-22	FR	01999054.8	1346495	2008-Jan-23	2021-Nov-22	
2000P00623WEGB		2001-Nov-22	GB	01999054.8	1346495	2008-Jan-23	2021-Nov-22	
2000P00623WEIT		2001-Nov-22	IT	01999054.8	1346495	2008-Jan-23	2021-Nov-22	
2000P00623WOJP		2001-Nov-22	JP	02-546317	4027799	2007-Oct-19	2021-Nov-22	
2000P00623WOKR		2001-Nov-22	KR	10-2002-7009912	10-860951	2008-Sep-24	2021-Nov-22	
2000P00758 US	Improvements to Power	2001-Jul-25	US	09/912653	6856813	2005-Feb-15	2023-Jul-11	2000-Jul-26
2000P00758WEDE	Control Preambles	2001-Jul-09	DE	01967138.7	60145581.9	2011-Oct-26	2021-Jul-09	
2000P00758WEFR		2001-Jul-09	FR	01967138.7	1232576	2011-Oct-26	2021-Jul-09	
2000P00758WEGB		2001-Jul-09	GB	01967138.7	1232576	2011-Oct-26	2021-Jul-09	
2000P00758WOCN		2001-Jul-09	CN	01802860.8	01802860.8	2005-May-25	2021-Jul-09	
2000P00758WOJP		2001-Jul-09	JP	02-514912	5042439	2012-Jul-20	2021-Jul-09	
2000P00758WOKR		2001-Jul-09	KR	10-2002-7003733	10-0795463	2008-Jan-10	2021-Jul-09	
2001P00350 TW	Parallel Power Control	2001-Oct-17	TW	090125673	171906	2003-Jun-10	2021-Oct-17	2001-Jan-13
2001P00350 US	for Fast BS Selection	2002-Jan-11	US	10/043532	8428636	2013-Apr-23	2022-Jan-11	
2001P00350WEDE		2001-Dec-14	DE	01273151.9	60124015.4	2006-Oct-18	2021-Dec-14	
2001P00350WEES		2001-Dec-14	ES	01273151.9	1354426	2006-Oct-18	2021-Dec-14	
2001P00350WEFR		2001-Dec-14	FR	01273151.9	1354426	2006-Oct-18	2021-Dec-14	
2001P00350WEGB		2001-Dec-14	GB	01273151.9	1354426	2006-Oct-18	2021-Dec-14	
2001P00350WEIT		2001-Dec-14	IT	01273151.9	1354426	2006-Oct-18	2021-Dec-14	
2001P00350WOBR		2001-Dec-14	BR	PI0109203.0			2021-Dec-14	
2001P00350WOCN		2001-Dec-14	CN	1809128.8	1809128.8	2007-Apr-04	2021-Dec-14	
2001P00350WOIN		2001-Dec-14	IN	IN/PCT/02/01444	213112	2007-Dec-20	2021-Dec-14	
2001P00350WOJP		2001-Dec-14	JP	2002-557039	4104980	2008-Apr-04	2021-Dec-14	
2001P00350WOKR		2001-Dec-14	KR	10-2002-7012005	10-874834	2008-Dec-12	2021-Dec-14	
2001P00350WOMX		2001-Dec-14	MX	02008857	240905	2006-Oct-09	2021-Dec-14	
2001P00019 US	Parallel N-Channel ARQ	2002-Feb-25	US	10/084735	6910168	2005-Jun-21	2023-Jun-19	2001-Feb-27
2001P00019WEDE	from Multiple Base	2002-Jan-31	DE	02716246.0	60203704.2	2005-Apr-13	2022-Jan-31	
2001P00019WEFR	Stations	2002-Jan-31	FR	02716246.0	1366634	2005-Apr-13	2022-Jan-31	
2001P00019WEGB		2002-Jan-31	GB	02716246.0	1366634	2005-Apr-13	2022-Jan-31	
2001P00019WOCN		2002-Jan-31	CN	02800392.6	02800392.6	2007-Jan-10	2022-Jan-31	
2001P00019WOJP		2002-Jan-31	JP	02-568859	3970774	2007-Jun-15	2022-Jan-31	
2001P00019WOKR		2002-Jan-31	KR	10-2002-7014317	10-882145	2009-Jan-30	2022-Jan-31	
2001P00224 US	Detection of Transport	2002-Apr-01	US	10/113051	7554953	2009-Jun-30	2025-Oct-24	2001-Jan-04
2001P00224WEDE	Formats in UMTS Gated	2002-Mar-21	DE	02714382.5	60202759.4	2005-Jan-26	2022-Mar-21	
2001P00224WEFR	Mode	2002-Mar-21	FR	02714382.5	1378143	2005-Jan-26	2022-Mar-21	
2001P00224WEGB		2002-Mar-21	GB	02714382.5	1378143	2005-Jan-26	2022-Mar-21	
2001P00224WEIT		2002-Mar-21	IT	02714382.5	1378143	2005-Jan-26	2022-Mar-21	
2001P00224WOCN		2002-Mar-21	CN	02801057.4	02801057.4	2005-Oct-19	2022-Mar-21	
2001P00224WOJP		2002-Mar-21	JP	02-584649	3939659	2007-Apr-06	2022-Mar-21	
2001P00224WOKR		2002-Mar-21	KR	10-2002-7016499			2022-Mar-21	
2001P00251 US	Combined Physical Layer	2002-Feb-19	US	10/078980	7583636	2009-Sep-01	2024-Sep-25	2001-Feb-21
2001P00251WEDE	Signalling in UMTS HSDPA	2002-Jan-30	DE	02710222.7	60232782.2	2009-Jul-01	2022-Jan-30	
2001P00251WEES		2002-Jan-30	ES	02710222.7	1364548	2009-Jul-01	2022-Jan-30	
2001P00251WEFR		2002-Jan-30	FR	02710222.7	1364548	2009-Jul-01	2022-Jan-30	
2001P00251WEGB		2002-Jan-30	GB	02710222.7	1364548	2009-Jul-01	2022-Jan-30	
2001P00251WEIT		2002-Jan-30	IT	02710222.7	1364548	2009-Jul-01	2022-Jan-30	
2001P00251WOCN		2002-Jan-30	CN	02800370.5	02800370.5	2007-Feb-07	2022-Jan-30	
2001P00251WOJP		2002-Jan-30	JP	02-567006	4017074	2007-Sep-28	2022-Jan-30	
2001P00251WOKR		2002-Jan-30	KR	10-2002-7014084	10-0900737	2009-May-27	2022-Jan-30	
2000P00649 US	ARQ Scheme with	2001-Oct-02	US	09/969095	6845237	2005-Jan-18	2022-Jul-09	2000-Oct-09
2000P00649WEDE	Exponential Increase in	2001-Oct-01	DE	01976266.5	60145803.6	2011-Dec-14	2021-Oct-01	
2000P00649WEES	Total Energy	2001-Oct-01	ES	01976266.5	1238476	2011-Dec-14	2021-Oct-01	
2000P00649WEFR		2001-Oct-01	FR	01976266.5	1238476	2011-Dec-14	2021-Oct-01	
2000P00649WEGB		2001-Oct-01	GB	01976266.5	1238476	2011-Dec-14	2021-Oct-01	
2000P00649WEIT		2001-Oct-01	IT	01976266.5	1238476	2011-Dec-14	2021-Oct-01	
2000P00649WENL		2001-Oct-01	NL	01976266.5	1238476	2011-Dec-14	2021-Oct-01	
2000P00649WOCN		2001-Oct-01	CN	01804773.4	01804773.4	2006-Dec-13	2021-Oct-01	
2000P00649WOJP		2001-Oct-01	JP	02-535287	4121851	2008-May-09	2021-Oct-01	
2000P00649WOKR		2001-Oct-01	KR	10-2002-7007281	10-0808392	2008-Feb-22	2021-Oct-01	
2001P00672 TW	Antenna-Division	2002-Apr-22	TW	091108233	183648	2003-Dec-09	2022-Apr-22	2001-Apr-25
2001P00672WEDE	Multiple Access (ADMA)	2002-Apr-16	DE	02722602.6	60225263.6	2008-Feb-27	2022-Apr-16	2001-Sep-21
2001P00672WEFR		2002-Apr-16	FR	02722602.6	1386421	2008-Feb-27	2022-Apr-16	
2001P00672WEGB		2002-Apr-16	GB	02722602.6	1386421	2008-Feb-27	2022-Apr-16	
2001P00672WOCN		2002-Apr-16	CN	02801345.X	02801345.X	2010-Jun-09	2022-Apr-16	
2001P00672WOIN		2002-Apr-16	IN	IN/PCT/02/02139	227921	2009-Jan-27	2022-Apr-16	
2001P00672WOJP		2002-Apr-16	JP	02-584498	4369128	2009-Sep-04	2022-Apr-16	
2001P00672WOKR		2002-Apr-16	KR	10-2002-7017654	10-0909973	2009-Jul-23	2022-Apr-16	

52.

Internal reference	Title	Filing date	Country	Application	Grant	Grant date	Expiry Date	Priority date
2001P00737 US	Simplified MIMO	2002-Sep-20	US	10/247927	6774854	2004-Aug-10	2022-Sep-20	2001-Oct-19
2001P00737WEDE		2002-Oct-10	DE	02775083.5	60230056.8	2008-Nov-26	2022-Oct-10	
2001P00737WEES		2002-Oct-10	ES	02775083.5	1440526	2008-Nov-26	2022-Oct-10	
2001P00737WEFR		2002-Oct-10	FR	02775083.5	1440526	2008-Nov-26	2022-Oct-10	
2001P00737WEGB		2002-Oct-10	GB	02775083.5	1440526	2008-Nov-26	2022-Oct-10	
2001P00737WEIT		2002-Oct-10	IT	02775083.5	1440526	2008-Nov-26	2022-Oct-10	
2001P00737WOCN		2002-Oct-10	CN	02820537.5	02820537.5	2006-Oct-11	2022-Oct-10	
2001P00737WOJP		2002-Oct-10	JP	03-537219	4271572	2009-Mar-06	2022-Oct-10	
2001P00737WOKR		2002-Oct-10	KR	10-2004-7005777	10-0924918	2009-Oct-28	2022-Oct-10	
2001P00785 TW	Channel Quality	2002-Oct-29	TW	091132073	1301379	2008-Sep-21	2022-Oct-29	2001-Oct-31
2001P00785 US	Measurement Report	2002-Oct-03	US	10/264067	7171229	2007-Jan-30	2023-Sep-28	2001-Nov-05
2001P00785WEDE	for HSDPA	2002-Oct-22	DE	02777636.8	1442537	2014-Dec-10	2022-Oct-22	
2001P00785WEES		2002-Oct-22	ES	02777636.8	1442537	2014-Dec-10	2022-Oct-22	
2001P00785WEFR		2002-Oct-22	FR	02777636.8	1442537	2014-Dec-10	2022-Oct-22	
2001P00785WEGB		2002-Oct-22	GB	02777636.8	1442537	2014-Dec-10	2022-Oct-22	
2001P00785WEIT		2002-Oct-22	IT	02777636.8	1442537	2014-Dec-10	2022-Oct-22	
2001P00785WENL		2002-Oct-22	NL	02777636.8	1442537	2014-Dec-10	2022-Oct-22	
2001P00785WETR		2002-Oct-22	TR	02777636.8	1442537	2014-Dec-10	2022-Oct-22	
2001P00785WOCN		2002-Oct-22	CN	02821554.0	02821554.0	2013-Oct-30	2022-Oct-22	
2001P00785WOIN		2002-Oct-22	IN	900/CHENP/2004	237546	2009-Dec-29	2022-Oct-22	
2001P00785WOJP		2002-Oct-22	JP	03-542168	4298507	2009-Apr-24	2022-Oct-22	
2001P00785WOKR		2002-Oct-22	KR	10-2004-7006463	10-1207326	2012-Nov-27	2022-Oct-22	
2002P00680WEDE	Interference Cancellation	2003-Sep-12	DE	03798276.6	60330975.5	2010-Jan-13	2023-Sep-12	2002-Sep-28
2002P00680WEFR	in MIMO Systems	2003-Sep-12	FR	03798276.6	1547275	2010-Jan-13	2023-Sep-12	
2002P00680WEGB		2003-Sep-12	GB	03798276.6	1547275	2010-Jan-13	2023-Sep-12	
2002P00680WEIT		2003-Sep-12	IT	03798276.6	1547275	2010-Jan-13	2023-Sep-12	
2002P00680WOCN		2003-Sep-12	CN	03822938.2	03822938.2	2010-Dec-08	2023-Sep-12	
2002P00680WOJP		2003-Sep-12	JP	04-539296	4689271	2011-Feb-25	2023-Sep-12	
2002P00680WOKR		2003-Sep-12	KR	2005-7005175	10-1224347	2013-Jan-15	2023-Sep-12	
2002P00680WOUS		2003-Sep-12	US	10/528940			2023-Sep-12	
2003P03003 TW	Feedback Signalling with	2004-Aug-12	TW	093124262	1371179	2012-Aug-21	2024-Aug-12	2003-Aug-15
2003P03003 US01	Power Ramping to	2014-Mar-18	US	14/218396			2024-Aug-04	
2003P03003WEDE	Support ...	2004-Aug-04	DE	04744269.4	602004029687.2	2010-Oct-20	2024-Aug-04	
2003P03003WEFR		2004-Aug-04	FR	04744269.4	1656765	2010-Oct-20	2024-Aug-04	
2003P03003WEGB		2004-Aug-04	GB	04744269.4	1656765	2010-Oct-20	2024-Aug-04	
2003P03003WOCN		2004-Aug-04	CN	200480023388.1	200480023388.1	2010-Nov-17	2024-Aug-04	
2003P03003WOJP		2004-Aug-04	JP	2006-523079	4516076	2010-May-21	2024-Aug-04	
2003P03003WOKR		2004-Aug-04	KR	2006-7003167	10-1168382	2012-Jul-18	2024-Aug-04	
2003P03003WOUS		2004-Aug-04	US	10/568015	8675616	2014-Mar-18	2024-Aug-04	
2004P00875WEDE	Efficient Method for	2005-Apr-13	DE	05718720.5	602005017134.7	2009-Oct-14	2025-Apr-13	2004-Apr-15
2004P00875WEFR	Counting Mobile	2005-Apr-13	FR	05718720.5	1738520	2009-Oct-14	2025-Apr-13	
2004P00875WEGB	Terminals	2005-Apr-13	GB	05718720.5	1738520	2009-Oct-14	2025-Apr-13	
2004P00875WOCN		2005-Apr-13	CN	200580011123.4			2025-Apr-13	
2004P00875WOJP		2005-Apr-13	JP	07-507916	4804455	2011-Aug-19	2025-Apr-13	
2004P00875WOKR		2005-Apr-13	KR	10-2006-7021175	10-1142921	2012-Apr-27	2025-Apr-13	
2004P00875WOUS		2005-Apr-13	US	10/599858	8149793	2012-Apr-03	2027-Jul-07	
1998P01414 TW	Use of Escape	1998-May-29	TW	87108465	109553	2000-Apr-13	2018-May-29	1998-May-26
1998P01414 US	Sequences in Speech	1999-May-24	US	09/316994	6574247	2003-Jun-03	2019-May-24	
1998P01414 US01	Transmission	2003-Apr-08	US	10/409438	7154917	2006-Dec-26	2020-May-02	
1998P01414 US02		2006-Sep-27	US	11/535639	7756166	2010-Jul-13	2021-Feb-15	
1998P01414WEDE		1999-May-20	DE	99918239.7	69936702.6	2007-Aug-01	2019-May-20	
1998P01414WEFR		1999-May-20	FR	99918239.7	1000479	2007-Aug-01	2019-May-20	
1998P01414WEGB		1999-May-20	GB	99918239.7	1000479	2007-Aug-01	2019-May-20	
1998P01414WOCN		1999-May-20	CN	99800839.7	99800839.7	2014-Oct-15	2019-May-20	
1998P01414WOIN		1999-May-20	IN	IN/PCT/00/00007	212932	2008-Feb-05	2019-May-20	
1998P01414WOJP		1999-May-20	JP	00-551510	4361691	2009-Aug-21	2019-May-20	
1998P01414WOKR		1999-May-20	KR	10-2000-7000758	10-0621165	2006-Aug-30	2019-May-20	
1998P01414WOSG		1999-May-20	SG	200000350.9	70519	2004-Oct-29	2019-May-20	
2005P00515 TW	Receiver Apparatus	2006-Mar-24	TW	095110461	1396458	2013-May-11	2026-Mar-24	2005-Mar-29
2005P00515WOCN	and Method	2006-Mar-14	CN	200680009983.9	200680009983.9	2013-Dec-25	2026-Mar-14	
2005P00515WOKR		2006-Mar-14	KR	10-2007-7021598	10-1214132	2012-Dec-13	2026-Mar-14	
2005P00515WOUS		2006-Mar-14	US	11/909472	8098771	2012-Jan-17	2026-Jul-05	

9. 26

Internal reference	Title	Filing date	Country	Application	Grant	Grant date	Expiry Date	Priority date
1993P00817 HK	Fixed Point	1994-May-02	HK	98114110.9	HK1019284	2000-May-12	2014-May-01	1993-May-05
1993P00817 MX	Implementation of G.728	1994-May-03	MX	9403249	189953	1998-Sep-30	2014-May-03	
1993P00817WECH		1994-May-02	CH	94912661.9	0649557	1999-Aug-25	2014-May-02	
1993P00817WEDE		1994-May-02	DE	94912661.9	69420220.7	1999-Aug-25	2014-May-02	
1993P00817WEES		1994-May-02	ES	94912661.9	0649557	1999-Aug-25	2014-May-02	
1993P00817WEFR		1994-May-02	FR	94912661.9	0649557	1999-Aug-25	2014-May-02	
1993P00817WEGB		1994-May-02	GB	94912661.9	0649557	1999-Aug-25	2014-May-02	
1993P00817WEIT		1994-May-02	IT	94912661.9	0649557	1999-Aug-25	2014-May-02	
1993P00817WESE		1994-May-02	SE	94912661.9	0649557	1999-Aug-25	2014-May-02	
1993P00817WOCA		1994-May-02	CA	2137925	2137925	2005-Jun-28	2014-May-02	
1993P00817WOCN		1994-May-02	CN	94190265.X	94190265.X	2003-Jul-02	2014-May-02	
1993P00817WOJP		1994-May-02	JP	94-524078	3509861	2004-Jan-09	2014-May-02	
1993P00817WOKR		1994-May-02	KR	95-700050	332850	2002-Apr-03	2014-May-02	
1993P00817WORU		1994-May-02	RU	95105531	2123728	1998-Dec-20	2014-May-02	
1993P00817WOSG		1994-May-02	SG	9607069.3	54987	2001-Dec-24	2014-May-02	
1993P00817WOUA		1994-May-02	UA	95018013	41893	2001-Oct-15	2014-May-02	
1993P00817WOUS		1994-May-02	US	08/362514	5751902	1998-May-12	2015-May-12	
2009P00638 TW	Signalling of receive	2010-Mar-12	TW	099107348			2030-Mar-12	2009-Mar-17
2009P00638 WE	beamformers for	2010-Mar-16	EP	10712542.9			2030-Mar-16	
2009P00638 WOBR	MU-MIMO with multiple	2010-Mar-16	BR	PI1006365-0			2030-Mar-16	
2009P00638 WOCN	receive antennas	2010-Mar-16	CN	201080012494.5			2030-Mar-16	
2009P00638 WOIN		2010-Mar-16	IN	7436/CHENP/2011			2030-Mar-16	
2009P00638 WOJP		2010-Mar-16	JP	2012-500351	5744833	2015-May-15	2030-Mar-16	
2009P00638 WOKR		2010-Mar-16	KR	10-2011-7024057			2030-Mar-16	
2009P00638 WORU		2010-Mar-16	RU	2011141858	2536815	2014-Dec-27	2030-Mar-16	
2009P00638 WOUS		2010-Mar-16	US	13/257162			2030-Mar-16	
2009P00639 TW	CSI feedback for	2010-Mar-12	TW	099107349			2030-Mar-12	2009-Mar-17
2009P00639 US	MU-MIMO with multiple	2015-Jun-29	US	14/753596			2030-Mar-16	
2009P00639 WE	receive antennas	2010-Mar-16	EP	10710447.3			2030-Mar-16	
2009P00639 WOBR		2010-Mar-16	BR	PI 1006389-7			2030-Mar-16	
2009P00639 WOCN		2010-Mar-16	CN	201080012297.3			2030-Mar-16	
2009P00639 WOIN		2010-Mar-16	IN	7437/CHENP/2011			2030-Mar-16	
2009P00639 WOJP		2010-Mar-16	JP	2012-500352			2030-Mar-16	
2009P00639 WOKR		2010-Mar-16	KR	10-2011-7024243			2030-Mar-16	
2009P00639 WORU		2010-Mar-16	RU	2011141862	2523677	2014-Jul-20	2030-Mar-16	
2009P00639 WOUS		2010-Mar-16	US	13/257136	9071389	2015-Jun-30	2030-Mar-16	
2009P00833 TW	Configurable coarseness	2010-Apr-13	TW	099111489			2030-Apr-13	2009-Apr-16
2009P00833 WE	of buffer status reports	2010-Apr-12	EP	10717258.7			2030-Apr-12	
2009P00833 WOBR		2010-Apr-12	BR	PI 1006380-3			2030-Apr-12	
2009P00833 WOCN		2010-Apr-12	CN	201080016901.X			2030-Apr-12	
2009P00833 WOIN		2010-Apr-12	IN	8250/CHENP/2011			2030-Apr-12	
2009P00833 WOJP		2010-Apr-12	JP	2012-505269	5642155	2014-Nov-07	2030-Apr-12	
2009P00833 WOKR		2010-Apr-12	KR	10-2011-7027041			2030-Apr-12	
2009P00833 WORU		2010-Apr-12	RU	2011146324	2550529	2015-May-10	2030-Apr-12	
2009P00833 WOUS		2010-Apr-12	US	13/264611			2030-Apr-12	
2009P00897 JP	PDCCH search space	2010-Apr-22	JP	2014-182097			2030-Apr-22	2009-Apr-29
2009P00897 TW	supporting carrier	2010-Apr-26	TW	099113199			2030-Apr-26	
2009P00897 WE	aggregation	2010-Apr-22	EP	10719101.7			2030-Apr-22	
2009P00897 WOBR		2010-Apr-22	BR	PI 1007085-0			2030-Apr-22	
2009P00897 WOCN		2010-Apr-22	CN	201080018911.7			2030-Apr-22	
2009P00897 WOIN		2010-Apr-22	IN	8546/CHENP/2011			2030-Apr-22	
2009P00897 WOJP		2010-Apr-22	JP	2012-507862	5643811	2014-Nov-07	2030-Apr-22	
2009P00897 WOKR		2010-Apr-22	KR	10-2011-7028140			2030-Apr-22	
2009P00897 WORU		2010-Apr-22	RU	2011148405	2527077	2014-Aug-27	2030-Apr-22	
2009P00897 WOUS		2010-Apr-22	US	13/318009			2030-Apr-22	
2009P00902 JP	Improved MIMO and	2010-Apr-22	JP	2014-263999			2030-Apr-22	2009-Apr-30
2009P00902 TW	MU-MIMO based on	2010-Apr-27	TW	099113372			2030-Apr-27	
2009P00902 US	post-processing	2015-Jan-26	US	14/605014			2030-Apr-22	
2009P00902 WE	knowledge at the	2010-Apr-22	EP	10719103.3			2030-Apr-22	
2009P00902 WOBR	primary station	2010-Apr-22	BR	PI 1007099-0			2030-Apr-22	
2009P00902 WOCN		2010-Apr-22	CN	201080018896.6			2030-Apr-22	
2009P00902 WOIN		2010-Apr-22	IN	8547/CHENP/2011			2030-Apr-22	
2009P00902 WOJP		2010-Apr-22	JP	2012-507863			2030-Apr-22	
2009P00902 WOKR		2010-Apr-22	KR	10-2011-7028301			2030-Apr-22	
2009P00902 WORU		2010-Apr-22	RU	2011148594	2552643	2015-Jun-10	2030-Apr-22	
2009P00902 WOUS		2010-Apr-22	US	13/318150	8942305	2015-Jan-27	2030-Apr-22	



Internal reference	Title	Filing date	Country	Application	Grant	Grant date	Expiry Date	Priority date
2009P01221 TW	Antenna Configuration	2010-Jun-18	TW	099119984			2030-Jun-18	2009-Jun-23
2009P01221 US	for Co-operative	2015-Jun-22	US	14/745956			2030-Jun-14	
2009P01221WE	Beamforming	2010-Jun-14	EP	10730538.5			2030-Jun-14	
2009P01221WOAU		2010-Jun-14	AU	2010264227			2030-Jun-14	
2009P01221WOBR		2010-Jun-14	BR	PI 1010138-1			2030-Jun-14	
2009P01221WOCN		2010-Jun-14	CN	201080028266.7			2030-Jun-14	
2009P01221WOCN		2010-Jun-14	CN	201080028266.7			2030-Jun-14	
2009P01221WODID		2010-Jun-14	ID	182010/052633			2030-Jun-14	
2009P01221WOIN		2010-Jun-14	IN	378/CHENP/2012			2030-Jun-14	
2009P01221WOJP		2010-Jun-14	JP	2012-516894	5705843	2015-Mar-06	2030-Jun-14	
2009P01221WOKR		2010-Jun-14	KR	10-2012-7001537			2030-Jun-14	
2009P01221WORU		2010-Jun-14	RU	2012102060	2549196	2015-Apr-20	2030-Jun-14	
2009P01221WOUS		2010-Jun-14	US	13/379231	9065512	2015-Jun-23	2030-Jun-14	
2009P01233 TW	Search Space Adaptation	2010-Jun-22	TW	099120301			2030-Jun-22	2009-Jun-25
2009P01233WEDE		2010-Jun-23	DE	10728366.5	2446574	2015-May-13	2030-Jun-23	
2009P01233WEES		2010-Jun-23	ES	10728366.5	2446574	2015-May-13	2030-Jun-23	
2009P01233WEFR		2010-Jun-23	FR	10728366.5	2446574	2015-May-13	2030-Jun-23	
2009P01233WEGB		2010-Jun-23	GB	10728366.5	2446574	2015-May-13	2030-Jun-23	
2009P01233WEIT		2010-Jun-23	IT	10728366.5	2446574	2015-May-13	2030-Jun-23	
2009P01233WETR		2010-Jun-23	TR	10728366.5	2446574	2015-May-13	2030-Jun-23	
2009P01233WOAU		2010-Jun-23	AU	2010264133			2030-Jun-23	
2009P01233WOBR		2010-Jun-23	BR	PI1009694-9			2030-Jun-23	
2009P01233WOCN		2010-Jun-23	CN	201080028280.7			2030-Jun-23	
2009P01233WOCN		2010-Jun-23	CN	201080028280.7			2030-Jun-23	
2009P01233WOID		2010-Jun-23	ID	W-00201104726			2030-Jun-23	
2009P01233WOIN		2010-Jun-23	IN	520/CHENP/2012			2030-Jun-23	
2009P01233WOJP		2010-Jun-23	JP	2012-516897	5719357	2015-Mar-27	2030-Jun-23	
2009P01233WOKR		2010-Jun-23	KR	10-2012-7001533			2030-Jun-23	
2009P01233WORU		2010-Jun-23	RU	2012102395			2030-Jun-23	
2009P01233WOUS		2010-Jun-23	US	13/379866	8873486	2014-Oct-28	2030-Oct-23	
2009P01235 TW	Signalling Carrier with	2010-Jun-22	TW	099120303			2030-Jun-22	2009-Jun-25
2009P01235WE	POCCH location	2010-Jun-15	EP	10731580.6			2030-Jun-15	
2009P01235WOCN		2010-Jun-15	CN	201080028272.2			2030-Jun-15	
2009P01235WOIN		2010-Jun-15	IN	521/CHENP/2012			2030-Jun-15	
2009P01235WOJP		2010-Jun-15	JP	2012-516903	5715124	2015-Mar-20	2030-Jun-15	
2009P01235WOKR		2010-Jun-15	KR	10-2012-7001787			2030-Jun-15	
2009P01235WOUS		2010-Jun-15	US	13/380113			2030-Jun-15	
2009P01240 JP	Method allowing a	2010-Jun-17	JP	2015-151834			2030-Jun-17	2009-Jun-26
2009P01240 TW	mobile station to	2010-Jun-23	TW	099120491			2030-Jun-23	
2009P01240WE	influence idle monitoring	2010-Jun-17	EP	10730547.6			2030-Jun-17	
2009P01240WOCN	settings provided by a	2010-Jun-17	CN	201080028612.1			2030-Jun-17	
2009P01240WOIN	fixed part	2010-Jun-17	IN	527/CHENP/2012			2030-Jun-17	
2009P01240WOJP		2010-Jun-17	JP	2012-516915			2030-Jun-17	
2009P01240WOKR		2010-Jun-17	KR	10-2012-7001797			2030-Jun-17	
2009P01240WOUS		2010-Jun-17	US	13/380333			2030-Jun-17	
2009P01254 TW	Triggering mechanisms	2010-Jun-25	TW	099120907			2030-Jun-25	2009-Jun-29
2009P01254 US	for mobile terminals	2014-Nov-13	US	14/540099			2030-Jun-23	
2009P01254WE	feedback	2010-Jun-23	EP	10730251.5			2030-Jun-23	
2009P01254WOCN		2010-Jun-23	CN	201080029328.6			2030-Jun-23	
2009P01254WOIN		2010-Jun-23	IN	531/CHENP/2012			2030-Jun-23	
2009P01254WOJP		2010-Jun-23	JP	2012-516940			2030-Jun-23	
2009P01254WOKR		2010-Jun-23	KR	10-2012-7002031			2030-Jun-23	
2009P01254WOUS		2010-Jun-23	US	13/381110	8908549	2014-Dec-09	2031-Feb-10	
2009P01463 TW	UE assumptions on	2010-Aug-13	TW	099127156			2030-Aug-13	2009-Aug-18
2009P01463 US	interference	2010-Aug-18	US	12/858933	9113480	2015-Aug-18	2032-Jun-11	2010-Apr-06
2009P01463 US01		2015-Aug-12	US	14/824109			2030-Aug-18	
2009P01463WE		2010-Jul-28	EP	10745413.4			2030-Jul-28	
2009P01463WOBR		2010-Jul-28	BR	BR 11 2012 003559-2			2030-Jul-28	
2009P01463WOCN		2010-Jul-28	CN	201080036517.6			2030-Jul-28	
2009P01463WOIN		2010-Jul-28	IN	1517/CHENP/2012			2030-Jul-28	
2009P01463WOJP		2010-Jul-28	JP	2012-525229	5715131	2015-Mar-20	2030-Jul-28	
2009P01463WOKR		2010-Jul-28	KR	10-2012-7006756			2030-Jul-28	
2009P01463WORU		2010-Jul-28	RU	2012110250	2552640	2015-Jun-10	2030-Jul-28	
2009P01464 TW	DRS Sequence Hopping	2010-Aug-13	TW	099127157			2030-Aug-13	2009-Aug-18
2009P01464 US		2010-Aug-18	US	12/858963			2030-Aug-18	2009-Oct-06
2009P01464WE		2010-Jul-28	EP	10745415.9			2030-Jul-28	2009-Oct-13
2009P01464WOBR		2010-Jul-28	BR	BR 11 2012 003454-5			2030-Jul-28	2009-Oct-15
2009P01464WOCN		2010-Jul-28	CN	201080036518.0			2030-Jul-28	
2009P01464WOIN		2010-Jul-28	IN	1516/CHENP/2012			2030-Jul-28	
2009P01464WOJP		2010-Jul-28	JP	2012-525230	5731508	2015-Apr-17	2030-Jul-28	
2009P01464WOKR		2010-Jul-28	KR	10-2012-7006968			2030-Jul-28	
2009P01464WORU		2010-Jul-28	RU	2012110222	2539181	2015-Jan-20	2030-Jul-28	

PATENT

REEL: 045252 FRAME: 0665

57.

Internal reference	Title	Filing date	Country	Application	Grant	Grant date	Expiry Date	Priority date		
2009P01584 TW	Correlated Codebooks for CoMP	2010-Oct-01	TW	099133648			2030-Oct-01	2009-Oct-05		
2009P01584 US		2010-Oct-01	US	12/896085	8634779	2014-Jan-21	2030-Oct-01			
2009P01584 US01		2013-Oct-15	US	14/053706			2030-Oct-01			
2009P01584 US02		2014-May-07	US	14/271544			2030-Oct-01			
2009P01584WE		2010-Oct-01	EP	10771199.6			2030-Oct-01			
2009P01584WOCN		2010-Oct-01	CN	201080045545.4	201080045545.4	2015-Feb-25	2030-Oct-01			
2009P01584WOIN		2010-Oct-01	IN	2535/CHENP/2012			2030-Oct-01			
2009P01584WOJP		2010-Oct-01	JP	2012-531545	5675824	2015-Jan-09	2030-Oct-01			
2009P01584WOKR		2010-Oct-01	KR	10-2012-7011499			2030-Oct-01			
2009P01584WORU	2010-Oct-01	RU	2012118644			2030-Oct-01				
2009P01585 TW	Channel Measurements with Dedicated Reference Symbols	2010-Oct-05	TW	099133899			2030-Oct-05	2009-Oct-08		
2009P01585 US		2010-Oct-01	US	12/896140	8885746	2014-Nov-11	2032-Sep-01			
2009P01585WE		2010-Oct-01	EP	10771525.2			2030-Oct-01			
2009P01585WOCN		2010-Oct-01	CN	201080045260.0	201080045260.0	2015-Feb-25	2030-Oct-01			
2009P01585WOIN		2010-Oct-01	IN	3131/CHENP/2012			2030-Oct-01			
2009P01585WOJP		2010-Oct-01	JP	2012-532699			2030-Oct-01			
2009P01585WOKR		2010-Oct-01	KR	10-2012-7011501			2030-Oct-01			
2009P01585WORU		2010-Oct-01	RU	2012118616	2551897	2015-Jun-10	2030-Oct-01			
2010P00224 TW		Implicit switching between transmission modes to reduce signalling load	2011-Jan-07	TW	100100702				2031-Jan-07	2010-Jan-11
2010P00224WE	2011-Jan-06		EP	11701867.1			2031-Jan-06			
2010P00224WOCN	2011-Jan-06		CN	201180005763.X			2031-Jan-06			
2010P00224WOIN	2011-Jan-06		IN	5706/CHENP/2012			2031-Jan-06			
2010P00224WOJP	2011-Jan-06		JP	2012-547577			2031-Jan-06			
2010P00224WORU	2011-Jan-06		RU	2012134328			2031-Jan-06			
2010P00224WOUS	2011-Jan-06		US	13/520415			2031-Jan-06			
2010P00378 TW	Method for installing a femtocell access point		2011-Nov-14	TW	100141475			2031-Nov-14	2010-Nov-15	
2010P00378WEDE			2011-Nov-04	DE	11797365.1	60 2011 013 029.3	2015-Jan-07	2031-Nov-04		
2010P00378WEFR		2011-Nov-04	FR	11797365.1	2641438	2015-Jan-07	2031-Nov-04			
2010P00378WEGB		2011-Nov-04	GB	11797365.1	2641438	2015-Jan-07	2031-Nov-04			
2010P00378WETR		2011-Nov-04	TR	11797365.1	2641438	2015-Jan-07	2031-Nov-04			
2010P00378WOCN		2011-Nov-04	CN	201180054981.2			2031-Nov-04			
2010P00378WOIN		2011-Nov-04	IN	3571/CHENP/2013			2031-Nov-04			
2010P00378WOJP		2011-Nov-04	JP	2013-538307			2031-Nov-04			
2010P00378WOKR		2011-Nov-04	KR	10-2013-7015199			2031-Nov-04			
2010P00378WOUS		2011-Nov-04	US	13/879646			2031-Nov-04			