

PATENT ASSIGNMENT COVER SHEET

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EPAS ID: PAT3435677

SUBMISSION TYPE:	NEW ASSIGNMENT	
NATURE OF CONVEYANCE:	ASSIGNMENT	
CONVEYING PARTY DATA		
	Name	Execution Date
	SHARP CORPORATION	05/31/2013
RECEIVING PARTY DATA		
Name:	HUAWEI TECHNOLOGIES CO., LTD.	
Street Address:	HUAWEI ADMINISTRATION BUILDING	
Internal Address:	BANTIAN, LONGGANG DISTRICT	
City:	SHENZHEN	
State/Country:	CHINA	
Postal Code:	518129	
PROPERTY NUMBERS Total: 1		
	Property Type	Number
	Application Number:	14100845
CORRESPONDENCE DATA		
Fax Number:		
<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>		
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SIGNATURE:	/Brett T. Walker/	
DATE SIGNED:	07/13/2015	
Total Attachments: 20		
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ASSIGNMENT OF PATENT RIGHTS

This patent assignment (this "Assignment") is entered into as of the date set forth below by and between Sharp Corporation, a company organized under the laws of Japan with a principal place of business at 22-22, Nagaike-cho, Abeno-ku, Osaka, 545-8522, Japan ("Assignor"), and Huawei Technologies Co., Ltd., a company organized under the laws of China with a principal place of business at Administration Building Huawei Technologies Co., Ltd. Bantian, Longgang District, Shenzhen, 518129, P. R. China ("Assignee").

Whereas, the Assignor and Assignee have entered into a certain Patent Purchase Agreement dated March 29, 2013 under which, among other things, Assignor assigns to Assignee all right, title and interest in and to the Patents (as defined below).

For good and valuable consideration, the receipt of which is hereby acknowledged, Assignor, does hereby irrevocably sell, assign, transfer, and convey unto Assignee, or Assignee's designees, all of Assignor's right title and interest in and to all of the following (collectively, the "Assigned Patent Rights"):

- (a) all provisional patent applications, patent applications, and patents listed in the attached Appendix (the "Patents");
- (b) all provisional patent applications, patent applications, patents or other similar governmental grants or issuances worldwide (i) from which any of the Patents directly or indirectly claims priority and/or (ii) for which any of the Patents directly or indirectly forms a basis for priority;
- (c) any reissues, reexaminations, extensions, continuations, continuations in part, continuing prosecution applications, requests for continuing examinations, and divisions, worldwide, of any provisional patent application, patent application, patent or other governmental grant or issuance set forth in clauses (a) and/or (b) (clauses (a) through (c), collectively, the "Assigned Patents");
- (d) any causes of action (whether currently pending, filed or otherwise) and all other enforcement rights and rights to remedies under, on account of, or related to, any Assigned Patents, including, without limitation, all causes of action and other enforcement rights for (i) damages, (ii) injunctive relief, and (iii) other remedies of any kind for past, current and future infringement, misappropriation of violation of rights and all rights to sue for any of the foregoing; and
- (e) any and all other rights and interests worldwide, arising out of, in connection with or in relation to the Assigned Patents.

Assignor hereby authorizes the respective patent office or governmental agency in each jurisdiction to issue any and all patents, certificates of invention, utility models or other governmental grants or issuances that may be granted upon any of the Assigned Patent Rights in the name of Assignee, as the assignee to the entire interest therein.

The terms and conditions of this Assignment will inure to the benefit of Assignee, its successors, assigns, and other legal representatives and will be binding upon Assignor, its successors, assigns, and other legal representatives.

IN WITNESS WHEREOF, intending to be legally bound, the Parties have executed this Assignment as of the Assignment Date.

ASSIGNOR

Sharp Corporation

By: Kiyoshi Yonetsu
Name: Kiyoshi Yonetsu
Title: Division Deputy General Manager
Corporate Research and Development Division
Unit General Manager
Intellectual Property Center
Date: May 31, 2013
Place: Osaka, Japan

ASSIGNEE

Huawei Technologies Co., Ltd.

By: [Signature]
Name: Dan Jiaxin
Title: Director of IPR Dept.
Date: June 7th, 2013
Place: Shenzhen, China

Appendix to Assignment of Patent Rights

ASSIGNED PATENTS

05R00865

RADIO TRANSMISSION DEVICE

Priority Date:	2004/9/27	
Technical field:	MIMO	
Jurisdiction	Application Number	Patent Number
CN	201110202902.X	
CN	201010559380.4	
CN	200580031925.1	200580031925.1
EP	11156427.4	
EP	11173661.7	
EP	5785963.9	
JP	2006-537688	4387414
US	13/168850	
US	11/663668	7948960
US	12/885264	

06R00724

SYSTEMS AND METHODS FOR INTERLEAVING AND DEINTERLEAVING DATA IN AN OFDMA-BASED COMMUNICATION SYSTEM

Priority Date:	2006/4/11	
Technical field:	Interleave	
Jurisdiction	Application Number	Patent Number
US	11/401662	7681092

06R00771

MOBILE COMMUNICATION SYSTEM, MOBILE STATION APPARATUS, BASE STATION APPARATUS, MOBILE COMMUNICATION METHOD, PROGRAM AND RECORDING MEDIUM

Priority Date:	2005/7/27	
Technical field:	DRX	
Jurisdiction	Application Number	Patent Number
CN	200680035688.0	200680035688
EP	6781589.4	
JP	2007-528478	4628424
US	11/996738	8107419

06R00987

WIRELESS TRANSMISSION DEVICE AND WIRELESS TRANSMISSION METHOD

Priority Date:	2005/9/1	
Technical field:	CDD	
Jurisdiction	Application Number	Patent Number
AM	200800453	11429
AZ	200800453	11429
BY	200800453	11429

CN	200680031601.2	
CN	201110115661.5	
CN	200910266387.4	
EA	200802342	14592
EA	200802343	14593
EA	200802344	14594
EA	200802341	14591
EP	6797294.3	
EP	10187793.4	
AT	10187791.8	2280495
CH	10187791.8	2280495
DE	10187791.8	2280495
DK	10187791.8	2280495
ES	10187791.8	2280495
FI	10187791.8	2280495
FR	10187791.8	2280495
GB	10187791.8	2280495
HU	10187791.8	2280495
IT	10187791.8	2280495
NL	10187791.8	2280495
PL	10187791.8	2280495
PT	10187791.8	2280495
RO	10187791.8	2280495
SE	10187791.8	2280495
AT	9015517.7	2164187
CH	9015517.7	2164187
DE	9015517.7	2164187
DK	9015517.7	2164187
ES	9015517.7	2164187
FI	9015517.7	2164187
FR	9015517.7	2164187
GB	9015517.7	2164187
HU	9015517.7	2164187
IT	9015517.7	2164187
NL	9015517.7	2164187
PL	9015517.7	2164187
PT	9015517.7	2164187
RO	9015517.7	2164187
SE	9015517.7	2164187
HK	10107325.9	
ID	W-002006800685	IDP0026713
ID	W-00201002416	
ID	W-00201000262	
IN	1067/CHEMP/2008	
IN	7363/CHEMP/2009	
JP	2007-533362	4477067
JP	2008-224019	4402151
JP	2008-224020	4477080
JP	2008-224021	4842307

JP	2008-306807	
JP	2009-168901	4481353
JP	2010-152447	5107397
KG	200800453	11429
KZ	200800453	11429
MD	200800453	11429
RU	200800453	11429
TJ	200800453	11429
TM	200800453	11429
US	12/065051	8098763
US	12/823853	
US	12/823886	8170133
US	12/642667	8116403

06R00995 COMMUNICATION TERMINAL APPARATUS, COMMUNICATION CONTROL APPARATUS, COMMUNICATION SYSTEM AND COMMUNICATION METHOD

Priority Date:	2005/9/22	
Technical Field:	Feedback	
Jurisdiction	Application Number	Patent Number
CN	200680035083.1	
EP	6810371.2	
JP	2007-536547	4960245
US	11/992103	8115216
US	13/335471	

06R01114 MOBILE STATION DEVICE, BASE STATION DEVICE, MOBILE STATION DEVICE OPERATING FREQUENCY BAND MAPPING METHOD, LOCATION MANAGEMENT DEVICE, MOBILE STATION DEVICE LOCATION REGISTRATION METHOD, PAGING METHOD, AND PROGRAM FOR EXECUTING THE SAME AND RECORDING MEDIUM

Priority Date:	2005/10/4	
Jurisdiction	Application Number	Patent Number
CN	200680045558.5	
CN	200910129733.4	
EP	6811043.6	
EP	8012821.8	
HK	101018970.0	
JP	2007-538754	
JP	2009-061298	
US	12/083049 (2009-0010213A)	
US	12/420505 (2009-0190534A)	
US	12/420559	

06R01160 TERMINAL APPARATUS, BASE STATION APPARATUS, AND COMMUNICATION SYSTEM

Priority Date:	2005/10/31	
Technical field:	CDD	
Jurisdiction	Application Number	Patent Number
AM	200801131	12497
AZ	200801131	12497
BY	200801131	12497
CN	200680038892.8	200680038892.8
CN	200810184724.0	
CN	200810184723.6	
CN	200810184725.5	
DE	8021641.9	2034624
DE	602006020477.9	1944882
DE	602006022238.6	2034624
EA	200802302	
EA	200802303	
EA	200802301	
DE	8021643.5	2037592
DE	8021643.5	2034624
ES	8021643.5	2037592
FR	8021643.5	2037592
GB	8021643.5	2037592
IT	8021643.5	2037592
PL	8021643.5	2037592
EP	8021642.7	
RS	8021641.9	2034624
ES	6822565.5	1944882
FI	8021641.9	2034624
FI	6822565.5	1944882
FR	8021641.9	2034624
FR	6822565.5	1944882
GB	8021641.9	2034624
GB	6822565.5	1944882
HK	9109265	
HK	9109264.1	
HK	9109273	
HU	8021641.9	2034624
HU	6822565.5	1944882
ID	W-00200801231	
ID	W-00200900570	IDP0027399
ID	W-00200900569	IDP0027311
ID	W-00200900571	IDP0027400
IN	1943/CHENP/2008	
IN	6465/CHENP/2008	
IN	6467/CHENP/2008	
IN	6466/CHENP/2008	
IT	8021641.9	2034624
IT	6822565.5	1944882
JP	2007-542714	4503650

JP	2008-228675	4405573
JP	2008-228676	4405574
JP	2010-015790	
JP	2010-015791	5101641
KG	200801131	12497
KZ	200801131	12497
MD	200801131	12497
PL	8021641.9	2034624
PL	6822565.5	1944882
RO	8021641.9	2034624
RO	6822565.5	1944882
RU	200801131	12497
TJ	200801131	12497
TM	200801131	12497
US	13/162437	8170512
US	12/089361	
US	12/692986	8121559
US	12/693058	8116708
US	12/326557	8111743
US	12/326581	8121184
US	12/326568	8107897

06R01162

TRANSMITTER, COMMUNICATION SYSTEM AND TRANSMISSION METHOD

Priority Date:	2005/10/28	
Technical field:	Feedback PRE-CODING	
Jurisdiction	Application Number	Patent Number
CN	200680045019.9	
CN	200910171396.5	
CN	200910171397.X	
EP	6822524.2	
EP	9011117	
EP	9011115.4	
EP	9011116.2	
HK	10106323.3	
HK	10106324.2	
HK	10106325.1	
JP	2007-542705	4302761
JP	2009-053979	4382144
JP	2009-053986	4347410
JP	2009-142572	4842349
JP	2009-142571	4384710
US	12/091430	8009751
US	12/551351	8155221
US	12/551368	8170145
US	12/551385	8014458

06R01195

TRANSMITTER FOR COMMUNICATIONS SYSTEM

Priority Date:	2005/12/20	
Technical field:	CDD	
Jurisdiction	Application Number	Patent Number
AM	200870069	12005
AZ	200870069	12005
BY	200870069	12005
CN	201210023426.6	
CN	200680052927.3	
CN	200910171392.7	
EA	200900381	
EA	200900380	
EP	6842886.1	
EP	11194154.8	
EP	11194160.5	
EP	9010708.7	
HK	10106723.9	
HK	10104064.1	
IN	3288/CHENP/2008	
IN	4858/CHENP/2009	
JP	2007-551099	5068868
JP	2009-026572	4394156
JP	2009-295497	4460025
KG	200870069	12005
KZ	200870069	12005
MD	200870069	12005
RU	200870069	12005
TJ	200870069	12005
TM	200870069	12005
US	12/097865	8224263
US	12/773684	8099063
US	12/547238	8116696
US	13/517585	8320849

06R01196

WIRELESS TRANSMITTER AND WIRELESS TRANSMISSION METHOD

Priority Date:	2005/12/26	
Technical field:	CDD	
Jurisdiction	Application Number	Patent Number
CN	200680049043.2	
EP	6842912.5	
JP	2007-552902	4658146
US	12/159075	8165537

06R01502

NOTIFICATION INFORMATION GENERATING APPARATUS, COMMUNICATION
APPARATUS, AND NOTIFICATION INFORMATION GENERATING METHOD AND
PROGRAM

Priority Date:	2006/3/6	
Technical field:	Feedback	
Jurisdiction	Application Number	Patent Number
CN	200780008158.1	
EP	7737879.2	
JP	2008-503870	4772111
JP	2010-030324	4772152
JP	2010-061604	5025745
JP	2010-090895	4772155
JP	2010-206028	4904425
US	12/282144	8249044

07J04595

RADIO COMMUNICATION SYSTEM, RECEPTION DEVICE, MOBILE STATION
DEVICE, TRANSMISSION DEVICE, BASE STATION DEVICE,
TRANSMISSION/RECEPTION DEVICE CONTROL METHOD, AND
TRANSMISSION/RECEPTION DEVICE CONTROL PROGRAM

(08R01450)

Priority Date:	2008/1/19	
Technical field:	MIMO	
Jurisdiction	Application Number	Patent Number
BR	PI0907163-6	
CN	200980102260.7	
EA	201070744	
EP	9702278.4	
ID	W-00201002414	
IN	4561/CHENP/2010	
JP	2009-550055	5084060
JP	2011-020620	4878654
US	12/863147 (2010-0291918A)	

07R00498

METHOD FOR CONNECTING MOBILE STATION TO BASE STATION, MOBILE
STATION, BASE STATION, MULTI-CARRIER MOBILE COMMUNICATION
SYSTEM, AND RANDOM ACCESS CHANNEL MAPPING METHOD

Priority Date:	2006/5/1	
Jurisdiction	Application Number	Patent Number
CN	200780020184.6	
CN	200910173504.2	
EP	7744490.9	

EP	9011151.9	
HK	10105916.8	
HK	10105365.4	
HK	9110223.9	
JP	2008-517982	4745391
JP	2009-039829	4425982
JP	2010-076245	4629155
JP	2011-061214	5000772
JP	2012-112751	
US	12/302854	8000294
US	12/551125	7978654
US	13/175696	
US	13/894004	
ZA	2008/10735	2008/10735

07R00880 EXPLICIT LAYER TWO SIGNALING FOR DISCONTINUOUS RECEPTION		
Priority Date:	2007/3/12	
Technical field:	DRX	
Jurisdiction	Application Number	Patent Number
CN	200880007741.5	
EP	8722237.8	
IN	5304/CHENP/2009	
JP	2009-538541	4615615
JP	2010-235933	5124838
US	12/530778	
US	11/684934 (2008-0225772A)	
ZA	2009/06217	

07R00991 METHOD AND NETWORK SYSTEM, PROGRAM AND COMPUTER READABLE MEDIUM FOR OPTIMIZED REFERENCE SIGNAL DOWNLINK TRANSMISSION IN A WIRELESS COMMUNICATION SYSTEM		
Priority Date:	2007/4/17	
Technical field:	RS	
Jurisdiction	Application Number	Patent Number
US	13/324608	
US	11/736174	7808882
US	12/890783	

07R01077 METHOD AND SYSTEM FOR CONTROL OF DISCONTINUOUS RECEPTION (DRX) BY A MOBILE DEVICE IN A WIRELESS COMMUNICATIONS NETWORK		
Priority Date:	2007/8/13	
Technical field:	DRX	
Jurisdiction	Application Number	Patent Number

CA	2689168	
CN	200880021659.8	
CN	201110029532.4	
EP	8792518.6	
IN	7527/CHENF/2009	
JP	2010-506739	4567098
JP	2010-175616	
US	13/012668	
US	11/837952	7899003

07R01078 SYSTEMS AND METHODS FOR DESIGNING A SEQUENCE FOR CODE
MODULATION OF DATA AND CHANNEL ESTIMATION

Priority Date:	2007/6/15	
Technical field:	RS Design	
Jurisdiction	Application Number	Patent Number
BR	PI0912507-4	
CN	200880020164.3	
EP	8777431.1	
US	12/664367	
US	11/764061 (2008-0310383A)	

07R01125 WIRELESS COMMUNICATION METHOD, RECEIVING METHOD, AND WIRELESS
COMMUNICATION DEVICE

Priority Date:	2006/11/10	
Technical field:	Cell Search	
Jurisdiction	Application Number	Patent Number
CN	200780041385.4	
EP	7831558.7	
JP	2008-543146	4968956
US	12/513891	8045538
VN	1-2009-00898	

07R01414 BASE STATION DEVICE, MOBILE STATION DEVICE, CONTROL
INFORMATION TRANSMISSION METHOD, CONTROL INFORMATION
RECEIVING METHOD AND PROGRAM

Priority Date:	2007/1/9	
Technical field:	PDCCH	
Jurisdiction	Application Number	Patent Number
CN	200880001785.7	
CN	200910173190.6	
CN	200910173189.3	
EA	200970601	15610
EA	200901116	15071

EA	291100232	
EP	8703001.1	
EP	9011168.3	
EP	9011169.1	
EP	9011167.5	
HK	10101816.8	
HK	10101777.5	
HK	10101778.4	
ID	W-00200902018	
ID	W-00201002023	
ID	W-00200902522	
IN	4664/CHENP/2009	
IN	5107/CHENP/2009	
IN	5106/CHENP/2009	
JP	2008-553102	4440986
JP	2009-167294	4440992
JP	2009-167295	4440993
JP	2009-167293	4440991
JP	2009-167292	5080535
JP	2012-189252	
US	12/522517	7904778
US	13/267836	
US	12/550621	7948935
US	12/550580	7920514
US	12/551044	8064916
ZA	2009/05048	2009/05048

08R00125 SYSTEMS AND METHODS FOR IMPROVING REFERENCE SIGNALS FOR
SPATIALLY MULTIPLEXED CELLULAR SYSTEMS

Priority Date:	2007/3/14	
Technical field:	RS Design	
Jurisdiction	Application Number	Patent Number
CN	200880007005.X	
EP	8722529.8	
HK	10103535.4	
IN	5627/CHENP/2009	
JP	2009-546962	4819954
MX	MX/a/2009/009419	285730
US	12/530742	8116691
US	11/586251(2008-0225688A)	

08R00250 SYSTEMS AND METHODS FOR GENERATING SEQUENCES THAT ARE NEAREST
TO A SET OF SEQUENCES WITH MINIMUM AVERAGE CROSS-CORRELATION

Priority Date:	2007/3/14	
Technical field:	RS Design	

Jurisdiction	Application Number	Patent Number
AU	2008227399	2008227399
CN	200880007391.9	
EP	8722526.4	
HK	10103534.5	
IN	5626/CHENP/2009	
JP	2009-532628	4834160
US	12/530761	8112041
US	11/928092 (2009-0067318A)	

08R00273 SYSTEMS AND METHODS FOR DESIGNING A REFERENCE SIGNAL TO BE TRANSMITTED IN A MULTIPLEXED CELLULAR SYSTEM

Priority Date:	2007/3/6	
Technical field:	RS Design	
Jurisdiction	Application Number	Patent Number
CA	2698237	
CN	200880105856.8	
EP	6829255.1	
IN	1374/CHENP/2010	
JP	2010-506759	4902786
US	12/676485 (2010-0290546A)	
US	11/851077 (2009-0067318A)	8068551

08R00339 MOBILE COMMUNICATION SYSTEM, BASE STATION APPARATUS, AND MOBILE STATION APPARATUS

Priority Date:	2007/5/24	
Technical field:	Random access	
Jurisdiction	Application Number	Patent Number
AU	2008254127	2008254127
CN	200880017237.3	
EP	8752866.7	
HK	10107484.6	
IN	7497/CHENP/2009	
JP	2009-515203	4469921
JP	2010-041546	5100771
US	12/601507 (2010-0173684)	

08R00754 RADIO COMMUNICATION SYSTEM AND MOBILE STATION DEVICE

Priority Date:	2007/8/8	
Technical field:	TA Timer	
Jurisdiction	Application Number	Patent Number
AM	200970753	16371
AM	200901107	16365

AZ	200970753	16371
AZ	200901107	16365
BR	PI0808754-7	
BY	200970753	16371
BY	200901107	16365
CN	201210046686.9	
CN	200880008361.3	
CN	200910173191.0	
CN	200910173192.5	
EA	200970753	
EA	200901107	
EP	11006472.2	
EP	8826898.2	
EP	18006357.7	
EP	9011153.5	
EP	9011154.3	
DE	9011152.7	2144474
ES	9011152.7	2144474
FR	9011152.7	2144474
GB	9011152.7	2144474
IT	9011152.7	2144474
NL	9011152.7	2144474
PL	9011152.7	2144474
HK	11101619.6	
HK	10102632.8	
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HK	10103072.3	
ID	W-00200902555	
ID	W-00200902556	
IN	5049/CHENP/2009	
IN	5127/CHENP/2009	
IN	5125/CHENP/2009	
JP	2009-526486	4484963
JP	2009-177096	4420981
JP	2009-177097	
JP	2009-177099	4428724
JP	2009-177100	
JP	2010-176608	
KG	200970753	16371
KG	200901107	16365
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MD	200901107	16365
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TJ	200970753	16371
TJ	200901107	16365

TM	200970753	16371
TM	200901107	16365
US	13/291840 (2011-0269409A)	
US	12/551290	8009663
US	12/817433	
US	12/551051	
US	12/551016	8089921
US	12/529160	

08R00761 MOBILE COMMUNICATION SYSTEM, BASE STATION APPARATUS, AND
MOBILE STATION APPARATUS

Priority Date:	2007/7/6	
Technical field:	CQI	
Jurisdiction	Application Number	Patent Number
CN	200880023624.8	
CN	201010001438.3	
EP	8790852.1	
EP	10000945.5	
HK	10110839.2	
HK	10110219.2	
IN	676/CHENP/2010	
IN	770/CHENP/2010	
JP	2009-522600	4740372
JP	2010-010359	4752350
JP	2010-010452	4740374
JP	2010-010470	4763837
JP	2011-127058	
KR	2010-7002624	
US	13/359344	
US	12/667833 (2010-0157836A)	
US	13/359294	
US	12/695814	

08R00851 MOBILE COMMUNICATIONS SYSTEM, BASE STATION APPARATUS, MOBILE
STATION APPARATUS AND MOBILE COMMUNICATIONS METHOD

Priority Date:	2007/10/24	
Technical field:	Random access	
Jurisdiction	Application Number	Patent Number
CN	200880112913.5	
EA	201070512	
EP	8841392.7	
HK	10111896	
ID	W-00201001278	
IN	2964/CHENP/2010	
JP	2009-538134	4664435

JP	2010-293075	
KR	2010-7011056	
US	12/682711	8194694

08R00936 WIRELESS COMMUNICATION SYSTEM, BASE STATION APPARATUS AND
MOBILE STATION APPARATUS

Priority Date:	2007/9/26	
Technical field:	Feedback Information	
Jurisdiction	Application Number	Patent Number
CA	2695529	
CN	201110260137.7	
CN	200880108594.0	
EA	201070396	
EP	11006176.9	
EP	8834345.4	
HK	10111020.9	
ID	WG0201001345	
IN	2370/CHENP/2010	
JP	2009-171262	4639259
JP	2010-182505	4689761
US	12/673036 (2011-0183697A)	
US	13/090061	

08R01594 MOBILE STATION APPARATUS AND PROGRAM

Priority Date:	2008/1/25	
Technical field:	Feedback	
Jurisdiction	Application Number	Patent Number
CN	200980110548.9	
EP	12000760.4	
AT	9703595	2239975
DE	9703595	2239975
ES	9703595	2239975
FR	9703595	2239975
GB	9703595	2239975
IT	9703595	2239975
NL	9703595	2239975
NO	9703595	2239975
PL	9703595	2239975
JP	2009-550556	4630942
US	13/328624	8280390
US	12/864281	8112092

08R01601 MOBILE COMMUNICATION SYSTEM, BASE STATION DEVICE, MOBILE
STATION DEVICE, AND MOBILE COMMUNICATION METHOD

Priority Date:	2008/2/4	
Technical field:	CSG	
Jurisdiction	Application Number	Patent Number
AU	2009212613	
BR	PI0908462-2	
CA	2713854	
CN	200980103317.5	
EA	201070815	
EP	9708983.3	
HK	11101618.7	
ID	W-00201002636	
IN	4882/CHENP/2010	
JP	2009-552436	4646337
KR	2010-7017089	
MX	MX/a/2010/008504	292520
US	12/865812 (2011-0013592A)	

08R01617 SYSTEMS AND METHODS FOR CONFIGURATION OF OFFSET FACTORS AND
MAINTAINCE OF CONSTANT RESELECTION RANGEIN A WIRELESS
COMMUNICATION ENVIRONMENT

Priority Date:	2008/11/4	
Technical field:	HeNB	
Jurisdiction	Application Number	Patent Number
CN	200980143300.2	
EP	9824899	
JP	2011-517551	5085786
KR	2011-7010266	
US	12/264846 (2010-0112998A)	

09R00093 MOBILE STATION APPARATUS, MOBILE COMMUNICATION SYSTEM AND
COMMUNICATION METHOD

Priority Date:	2008/4/24	
Technical field:	PDCCH	
Jurisdiction	Application Number	Patent Number
AU	2009239088	
BR	PI0911481-5	
CA	2712674	
CN	201110277361.7	
CN	200980109499.7	
CN	201110277533.0	
EA	201071048	
EP	9734381.8	
HK	11105197.7	
ID	W-00201002024	
IN	3924/CHENP/2010	

JP	2010-509148	
JP	2010-159897	4597268
JP	2010-159898	4757351
JP	2010-159894	5183687
JP	2010-215774	4847601
KR	2010-7026192	
MX	MX/a/2010/011366	
MX	MX/a/2012/004233	
TW	98113340	
US	13/184381	
US	12/739182	
US	13/184364 (2011-0274077A)	

09R00108

MOBILE STATION APPARATUS, BASE STATION APPARATUS,
COMMUNICATION METHOD, AND COMMUNICATION SYSTEM

Priority Date:	2008/3/19	
Technical field:	CQI	
Jurisdiction	Application Number	Patent Number
AU	2010241486	2010241486
AU	2009227233	2009227233
BR	PI0923672-4	
BR	PI0910395-3	
CA	2724153	
CA	2712460	
CN	200980101022.4	
CN	201010559426.2	
EA	201071097	
EA	201100269	
EP	11001274.7	
EP	9721471.2	
HK	11104622.5	
ID	W-00201100811	
ID	W-00201003593	
IN	6561/CHERP/2010	
IN	1023/CHERP/2011	
JP	2009-298163	4558839
JP	2010-503856	4558845
KR	2010-7020977	
KR	2010-7027374	
MX	MX/a/2010/010063	
MX	MX/a/2010/013665	
TW	99144101	
TW	98108818	
US	13/184391 (2011-0269409A)	
US	12/739911	8259885
US	12/949549	8275084

09R00648

WIRELESS COMMUNICATION SYSTEM, BASE STATION APPARATUS, MOBILE
STATION APPARATUS, AND COMMUNICATION METHOD

Priority Date:	2008/8/5	
Technical field:	TEC	
Jurisdiction	Application Number	Patent Number
AU	2009278433	
BR	PI0917098-7	
CA	2732975	
CN	200980139448.9	
EP	9804964.6	
HK	11108970.4	
JP	2010-523859	4684371
KR	2011-7005254	
MX	MA/a/2011/001292	
TW	98126484	
US	13/057723 (2011-0182376A)	
ZA	2011/01692	

02J00500

RADIO COMMUNICATION SYSTEM

(02R00821)

Priority Date:	2002/3/11	
Technical field:	AMC	
Jurisdiction	Application Number	Patent Number
CN	3805710.7	3805710.7
EP	3705284.2	
JP	2002-064925	3898533
KR	2004-7014040	655237
US	10/507068	7447169

04J05299

ADAPTIVE MODULATION CONTROL APPARATUS AND WIRELESS
COMMUNICATION APPARATUS

(05R00995)

Priority Date:	2005/1/11	
Technical field:	AMC	
Jurisdiction	Application Number	Patent Number
EP	6702135.2	
JP	2006-552892	4375577
US	11/794888	8077782

02R00822

RADIO COMMUNICATION SYSTEM

Priority Date:	2002/4/8	
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Technical field:	TPC	
Jurisdiction	Application Number	Patent Number
CN	3813304	3813304
EP	3707056.2	
JP	2002-105245	4078105
KR	2004-7016039	689992
US	10/510905	7359341

05R01134 ADAPTIVE MODULATION CONTROL SYSTEM AND WIRELESS COMMUNICATION APPARATUS

Priority Date:	2005/3/17	
Technical field:	AMC	
Jurisdiction	Application Number	Patent Number
EP	6713638.2	
JP	2007-508036	4367718
US	11/908597	8185064

06R01194 COMMUNICATION SYSTEM, AND BASE STATION AND TERMINALS USED THEREIN

Priority Date:	2005/12/20	
Technical field:	CQI	
Jurisdiction	Application Number	Patent Number
EP	6842895.2	
JP	2007-551103	4870093
US	12/158007	7764647

97R00081 ARITHMETIC CIRCUIT FOR CALCULATING A SQUARE-ROOT OF A SUM OF SQUARES

Priority Date:	1996/6/5	
Technical field:	Synchronization	
Jurisdiction	Application Number	Patent Number
US	08/850820	5862058