

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT3441864

SUBMISSION TYPE:	NEW ASSIGNMENT	
NATURE OF CONVEYANCE:	ASSIGNMENT	
CONVEYING PARTY DATA		
Name		Execution Date
HUAWEI TECHNOLOGIES CO., LTD.		07/01/2015
RECEIVING PARTY DATA		
Name:	SNAPTRACK, INC.	
Street Address:	5775 MOREHOUSE DRIVE	
City:	SAN DIEGO	
State/Country:	CALIFORNIA	
Postal Code:	92121	
PROPERTY NUMBERS Total: 58		
Property Type	Number	
Application Number:	12649579	
Application Number:	11874680	
Application Number:	12104832	
Application Number:	12236932	
Application Number:	12237784	
Application Number:	12906701	
Application Number:	11873945	
Patent Number:	8917777	
Application Number:	14555121	
Application Number:	12855110	
Application Number:	14050740	
Patent Number:	8693543	
Application Number:	14141161	
Patent Number:	7447169	
Patent Number:	7948960	
Patent Number:	8422478	
Patent Number:	8416757	
Patent Number:	8107418	
Application Number:	12089361	
Patent Number:	8111743	

PATENT

Property Type	Number
Patent Number:	8107897
Patent Number:	8121184
Patent Number:	8121559
Patent Number:	8116708
Patent Number:	8170512
Patent Number:	7764647
Application Number:	13340224
Patent Number:	7941121
Application Number:	11261802
Patent Number:	8676186
Patent Number:	8958812
Patent Number:	7822407
Application Number:	11324860
Patent Number:	7719562
Application Number:	11646584
Patent Number:	8307049
Application Number:	13097675
Application Number:	13252587
Patent Number:	8165537
Patent Number:	8098763
Patent Number:	8116403
Patent Number:	8625717
Patent Number:	8170133
Patent Number:	8045538
Patent Number:	7808882
Application Number:	12890783
Patent Number:	8411556
Patent Number:	8625540
Application Number:	14100845
Application Number:	11792336
Patent Number:	8539249
Patent Number:	7933584
Application Number:	12972749
Application Number:	12626242
Application Number:	11324548
Application Number:	11124600
Patent Number:	8767629
Application Number:	14278082

CORRESPONDENCE DATA**Fax Number:** (858)658-2502***Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.*****Phone:** 8586510159**Email:** tbadet@qualcomm.com**Correspondent Name:** QUALCOMM INCORPORATED**Address Line 1:** 5775 MOREHOUSE DRIVE**Address Line 4:** SAN DIEGO, CALIFORNIA 92121**ATTORNEY DOCKET NUMBER:** HUAWEI**NAME OF SUBMITTER:** THERESA BADET**SIGNATURE:** /Theresa Badet/**DATE SIGNED:** 07/16/2015**Total Attachments: 46**

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PATENT**REEL: 036112 FRAME: 0629**

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公 证 书

中华人民共和国广东省深圳市深圳公证处

Exhibit D

Form of Assignment of Designated Patents

ASSIGNMENT

WHEREAS, Huawei Technologies Co., Ltd., a company organized and existing under the laws of the People's Republic of China ("Seller") and SnapTrack, Inc. a corporation organized under the laws of California, having a place of business at 5775 Morehouse Drive, San Diego, California 92121 United States of America. ("Purchaser") have entered into a Patent License and Purchase Agreement (the "Agreement") effective as of July 1, 2014 (the "Agreement Date"), wherein Seller has agreed to sell to Purchaser, and Purchaser has agreed to purchase from Seller, certain Patent Families as specified in the Agreement.

WHEREAS, all capitalized terms used without definition in this Assignment have the same meanings given to such terms in the Agreement.

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged:

Seller hereby irrevocably and unconditionally sells, assigns, transfers, and conveys to Purchaser, and its successors and assigns, all right, title, and ownership interest in and to each patent and patent application listed on Schedule 1 hereto, and each patent issuing on any such patent application, together with (i) each patent and patent application that derives priority from any of such patents or patent applications (including, without limitation, each and every domestic or foreign counterpart, reissue, reexamination, continuation, continuation-in-part, divisional, extension, and continuing prosecution application that derives priority from any of such patents and patent applications) and each patent issuing on any such patent application; (ii) each patent and patent application that is referenced by a terminal disclaimer filed in any jurisdiction in connection with any of the foregoing patents or patent applications; and (iii) each invention, invention disclosure, and discovery embodied or described in any of the foregoing patents and patent applications (collectively, the "Designated Patents").

Seller also hereby irrevocably and unconditionally sells, assigns, transfers, and conveys to Purchaser, and its successors and assigns, all past, present, and future causes of action (whether known or unknown and whether currently pending, filed, or otherwise) and all enforcement rights under, or account of, any of the Designated Patents, including with respect to any past, current, and future claims for damages, infringement, and injunctive relief that apply or relate to any of the Designated Patents.

The foregoing sale, assignment, transfer, and conveyance by Seller of the Designated Patents to Purchaser and its successors and assigns, as documented in this Assignment, is made subject to Transferred Encumbrances applicable to the Designated Patents, including: (i) certain FRAND (Fair, Reasonable, and Non-Discriminatory) undertakings, or other similar undertakings made in writing by Seller prior to the Agreement Date to certain standard-setting organizations to which such Designated Patents are subject, as identified on Exhibit B-1 to the Agreement; (ii) certain non-exclusive licenses, non-assertion covenants, and covenants-not-to-sue granted in writing by Seller prior to the Agreement Date with respect to such Designated Patents, as identified on Exhibit B-2 to the Agreement, and (iii) certain non-exclusive rights retained by Seller as set forth in Section 5.3 of the Agreement.

Seller represents to Purchaser that Seller has the right, power, and authority to make the foregoing sale, assignment, transfer, and conveyance of each of the Designated Patents to Purchaser and its successors and assigns. The terms and conditions of this Assignment will inure to the benefit of Purchaser and Purchaser's successors and assigns of the Designated Patents. Seller hereby authorizes the respective patent office or governmental agency in each jurisdiction to issue any and all patents and certificates of invention which may be granted upon any of the Designated Patents in the name of Purchaser, as the assignee to the entire right, title, and ownership interest in and to each of the Designated Patents.

IN WITNESS WHEREOF, the duly authorized undersigned individual hereby executes this Assignment, on behalf of Seller, effective as of June 30, 2015.

[Huawei Technologies Co., Ltd.]

By: 

Printed Name: Yafang SUN

Title: President

COUNTRY OF China)

CITY OF Shenzhen)

Before me on this ____ day of _____, 201__, personally appeared _____, personally known to me or proved to me on the basis of satisfactory evidence to be the person whose name is subscribed to the within instrument, and acknowledged to me that he/she executed the within instrument in

his/her authorized capacity as _____ of Huawei Technologies Co., Ltd.,
a company organized and existing under the laws of the People's Republic of China,
and that he/she signed the within instrument of his/her own free will and for the
purpose expressed therein.

WITNESS my hand and official seal:

Notary Public:

My commission expires: _____

IN WITNESS WHEREOF, the duly authorized undersigned individual hereby executes this Assignment on behalf of Assignee, SnapTrack, Inc., on the 7th of July, 2015.

[SnapTrack, Inc.]

By: Philip J. Fries, Jr.

Printed Name: Philip J. Fries, Jr.

Title: Assistant Secretary, SnapTrack, Inc.

Schedule 1

Designated Patents

Country	Application Title	Application Number	Filed Date	Publication Number	Patent Number	Granted Date
CN	Terminal user interface testing method and device	CN200710118970.1	6/15/2007	CN101067799	ZL200710118970.1	4/29/2009
CN	Smoothing updating method and apparatus for configuration information	CN200610007999.8	3/2/2006	CN1866205	ZL200610007999.8	5/21/2008
CN	Method and apparatus for realizing computer multiple thread control	CN200310101904.5	10/10/2003	CN1605984	ZL200310101904.5	10/3/2007
CN	Method for processing multi-thread, multi-task and multi-processor	CN200510001862.7	1/18/2005	CN1808386	ZL200510001862.7	1/9/2008
WO	Method for processing multi-thread/ multi-task/ multi-processor	PCT/CN2006/000021	1/9/2006	WO2006076853		
EP	Method for processing multi-thread/multi-task/multi-processor	06705444.5	1/9/2006			
CN	Method and device for detecting mark in parallel data block	CN200610008312.2	2/17/2006	CN1859349	ZL200610008312.2	9/23/2009
CN	Terminal emulate method based on Java	CN02128333.8	7/30/2002	CN1472933	ZL02128333.8	4/27/2005
CN	Telephone calling method	CN03121976	4/18/2003	CN1538723	ZL03121976	1/16/2008
CN	Device and method of interpreting or constructing message	CN03128419.1	4/23/2003	CN1540924	ZL03128419.1	6/18/2008
CN	Software interface testing method and apparatus	CN200610057811.0	2/27/2006	CN1866221	ZL200610057811.0	4/23/2008
CN	Method and system for displaying message	CN200610112189.9	8/17/2006	CN1905726	ZL200610112189.9	2/4/2009
CN	Generation method and apparatus for report condition inputting interface	CN200710123224.1	7/2/2007	CN101067786	ZL200710123224.1	7/8/2009
WO	Generation method and apparatus for report form condition input interface	PCT/CN2008/071387	6/20/2008	WO2009003389		

P	Generation method and apparatus for report form condition input interface	087577969.1	6/20/2008			
US	Method and apparatus for generating report condition input interface	12/649,579	12/30/2009	20100107086		
CN	Radio local network terminal on-line realtime testing method	CN02131453.5	10/14/2002	CN1490984	ZL02131453.5	12/28/2005
CN	User position information updating method for radio local network and mobile communication system interflow	CN02137510.0	10/18/2002	CN1491012	ZL02137510.0	3/26/2008
CN	Method for distributing one time ciphers for access networks	CN200310100156.9	10/13/2003	CN1607765	ZL200310100156.9	8/19/2009
CN	Method for improving network transmission efficiency of wireless local net system	CN03119312.9	3/13/2003	CN1531260	ZL03119312.9	10/17/2004
CN	Method of proceeding grouping business audiomonitoring according to user mark	CN03121590.4	2/4/2003	CN1535068	ZL03121590.4	12/5/2007
CN	Method for realizing radio local area network authentication	CN03131036.2	5/16/2003	CN1549526	ZL03131036.2	9/9/2009
WO	A method for performing authentication in a wireless LAN	PCT/CN2004/000498	5/17/2004	WO2004102884		
CN	Management method for wireless LAN service usage by mobile subscriber	CN03134780.0	9/30/2003	CN1604547	ZL03134780.0	2/2/2008
CN	Method of route inquiry under condition of wireless local area network and mobile network intercommunication	CN03142524.0	6/17/2003	CN1567894	ZL03142524.0	5/9/2007
WO	Method of querying route information in the environment of WLAN interacting with mobile network	PCT/CN2004/000646	6/17/2004	WO2004112319		

N	Method for receiving external network data by target user equipment	CN03142526.7	6/17/2003	CN1567895	ZL03142526.7	5/30/2005
N	A method for sending information to user terminal by network	CN03146217.0	7/4/2003	CN1567871	ZL03146217.0	5/27/2009
VO	A method about network transmit information to user terminal	PCT/CN2004/000740	7/2/2004	WO2005004504		
N	Method for setting user device region in wireless local network	CN200410000966.1	1/17/2004	CN1642163	ZL200410000966.1	1/28/2009
N	Method for user terminal to obtain group data gate address in wireless local network	CN200410001027.9	1/16/2004	CN1642301	ZL200410001027.9	10/3/2007
WO	A method for obtaining the packet data gateway (PDG) address for the user terminal in wireless local area network (WLAN)	PCT/CN2005/000066	1/17/2005	WO2005074192		
CN	A charging method based on WLAN authentication and privacy infrastructure certificate	CN200410042314.4	5/17/2004	CN1700649	ZL200410042314.4	1/30/2008
CN	Wireless switching device and its method	CN200410055190.3	8/12/2004	CN1735051	ZL200410055190.3	5/28/2008
CN	Method of ensuring attachment of online WLAN user to the same communication network	CN200510002386.0	1/19/2005	CN1809006	ZL200510002386.0	7/16/2008
CN	Radio communication method	CN200510006604.8	1/4/2005	CN1801753	ZL200510006604.8	2/11/2009
CN	WLAN access point and its access method	CN200510008781.X	1/3/2005	CN1829174	ZL200510008781.X	3/4/2009
CN	Method for real-time detecting WLAN on-line user to accrete on mobile network	CN200510032715.6	1/5/2005	CN1801754	ZL200510032715.6	12/3/2008
CN	Radio local loop system	CN200510036358.0	8/2/2005	CN1859713	ZL200510036358.0	9/3/2008

N	Data-bag interacting method and personal field network communication apparatus	CN200510126636.1	12/2/2005	CN1980133	ZL200510126636.1	2/11/2009
N	An inter-cell communication method and system for fixing wireless area network	CN200610100873.5	7/11/2006	CN101106804	ZL200610100873.5	3/24/2010
VO	A communication method, system and base station between the cells in the fixed wireless regional area network	PCT/CN2007/070259	7/10/2007	WO2008009229		
CN	Method for servicing task of timer	CN200610033285.4	1/20/2006	CN1873615	ZL200610033285.4	1/27/2010
CN	Method and apparatus of thread scheduling	CN200710110988.7	6/12/2007	CN101324851	ZL200710110988.7	1/6/2010
CN	Internal reliable interconnect communication device	CN200510111186.9	12/6/2005	CN1859175	ZL200510111186.9	10/15/2008
CN	Method and apparatus for identifying radio frequency	200510125847.3	11/30/2005	CN100536357	ZL200510125847.3	9/2/2009
CN	Motion estimation method of video compression	200410101526.5	12/21/2004	CN100396100	ZL200410101526.5	6/18/2008
CN	Video quality evaluation method	200510002201.6	1/17/2005	CN100505895	ZL200510002201.6	6/24/2009
CN	Video-frequency encoding-rate controlling method	200510005185.6	2/1/2005	CN100505874	ZL200510005185.6	6/24/2009
CN	Error elimination of compressed video transmission based on H.264	200510034336.0	4/20/2005	CN100459717	ZL200510034336.0	2/4/2009
US	Method, receiver and transmitter for eliminating errors in h.264 compressed video transmission	11/874,680	10/18/2007	20080095246		
WO	H.264-based error eliminating method for compressed video transmission	PCT/CN2006/000722	4/19/2006	WO2006111087		
CN	Blocking effect measuring method and video quality estimation method	200510077398.X	6/23/2005	CN100512456	ZL200510077398.X	7/8/2009

N	Method for determining enhanced layer in-frame prediction mode and encoding and decoding apparatus	200510084239.2	7/18/2005	CN100505885	ZL200510084239.2	6/24/2009
N	Method for determining predicting mode in increased layer frame and coding and decoding device	200510088307.2	7/18/2005	CN100574443	ZL200510088307.2	12/23/2009
N	Method for monitoring service quality of H.264 multimedia communication	200510113941.7	10/17/2005	CN100456834	ZL200510113941.7	1/28/2009
WO	A method for monitoring quality of service in multimedia communication	PCT/CN2006/002733	10/17/2006	WO2007045166		
EP	A method for monitoring quality of service in multimedia communication	06804952.7	10/17/2006	EP1936868	EP1936868	5/1/2013
DE	A method for monitoring quality of service in multimedia communication	602006036081.9	10/17/2006	EP1936868	EP1936868	5/1/2013
FR	A method for monitoring quality of service in multimedia communication	06804952.7	10/17/2006	EP1936868	EP1936868	5/1/2013
GB	A method for monitoring quality of service in multimedia communication	06804952.7	10/17/2006	EP1936868	EP1936868	5/1/2013
LU	A method for monitoring quality of service in multimedia communication	06804952.7	10/17/2006	EP1936868	EP1936868	5/1/2013
US	Method for Monitoring Quality of Service in Multimedia Communications	12/104,832	4/17/2008	20080192646		
CN	Method for evaluating Internet video quality	200810170760.1	10/24/2008	CN101448173	ZL200810170760.1	5/18/2011
CN	Video data priority confirming method, device and system	200810217799.4	11/29/2008	CN101754001	ZL200810217799.4	7/4/2012
CN	Error control system and method of video coding	200610073427.X	3/24/2006	CN101043619		

WO	Error control system, method, encoder and decoder for video coding	PCT/CN2007/000968	3/26/2007	WO2007109993		
S	System and method of error control for video coding	12/236,932	9/24/2008	20090074082	8345776	1/1/2013
P	Error control system, method, encoder and decoder for video coding	07720542.5	3/26/2007	EP2001242		
N	User signaling tracing method and communication system and user's set	200710087497.5	3/19/2007	CN101272576	ZL200710087497.5	11/16/2011
N	Locking mechanism, veneer provided with same, and communication device	200810067375.4	5/23/2008	CN101588696	ZL200810067375.4	3/21/2012
N	A method for redirecting packet data gateway in wireless LAN	200310123097.7	12/24/2003	CN100337444	ZL200310123097.7	9/12/2007
WO	Method of redirecting packet data gateway in wireless local area network	PCT/CN2004/001214	10/26/2004	WO2005062631		
CN	A method for controlling external network accessing	03142529.1	6/17/2003	CN1567863	ZL03142529.1	4/7/2010
CN	Method of disconnecting terminal from service network during switching process	200510001856.1	1/18/2005	CN1809005	ZL200510001856.1	4/28/2010
WO	A method for disconnecting connection between a terminal and the service network	PCT/CN2006/000078	1/18/2006	WO2006076859		
CN	Radio area network system and method for adjusting the cell synchronization	200610035960.7	6/15/2006	CN101056135	ZL200610035960.7	5/12/2010
CN	Method for capturing DHCP style in wireless network	200610081362.3	5/22/2006	CN101079802	ZL200610081362.3	11/30/2011
CN	Device, system and method for realizing ether net passing through mobile IP	200610091443.1	6/16/2006	CN101051996	ZL200610091443.1	12/8/2010

N	Detection method of orthogonal frequency division multiplex system	200610091445.0	6/16/2006	CN101047684	ZL200610091445.0	9/29/2010
N	Information feedback method	200610098426.0	7/4/2006	CN101102133	ZL200610098426.0	11/3/2010
N	Interfere notifying method in wireless area network system and implementing system thereof	200610127125.6	9/5/2006	CN101141755	ZL200610127125.6	5/12/2010
N	Video gamma characteristic parameter transmitting method and device	200610009194.7	2/20/2006	CN101026773	ZL200610009194.7	5/12/2010
WO	Method for transmitting video gamma characteristic parameter and device thereof	PCT/CN2006/003378	12/12/2006	WO2007095811		
CN	Video layering coding method at interleaving mode	200610073446.2	3/27/2006	CN100584026	ZL200610073446.2	1/20/2010
WO	A video layered coding method and a coding and decoding device in interlaced mode	PCT/CN2006/003374	12/12/2006	WO2007109938		
EP	A video layered coding method and a coding and decoding device in interlaced mode	06828297.9	12/12/2006	EP2001236	EP2001236	9/11/2013
DE	A video layered coding method and a coding and decoding device in interlaced mode	602006038403.3	12/12/2006	EP2001236	EP2001236	9/11/2013
FR	A video layered coding method and a coding and decoding device in interlaced mode	06828297.9	12/12/2006	EP2001236	EP2001236	9/11/2013
GB	A video layered coding method and a coding and decoding device in interlaced mode	06828297.9	12/12/2006	EP2001236	EP2001236	9/11/2013
US	Method for video layered coding, device for coding and decoding in interlaced mode	12/237,784	9/25/2008	20090022221		
CN	System, method and user terminal for realizing video live broadcast in media distributing network	200610098895.2	7/19/2006	CN100505696	ZL200610098895.2	6/24/2009

N	A visual point difference estimate/compensation method in multi-visual point video coding	200610135869.2	10/16/2006	CN101166271	ZL200610135869.2	12/8/2010
N	Multimedia video communication method and system	200610139177.5	10/16/2006	CN101166270	ZL200610139177.5	11/4/2009
N	Variable length encoding method and device	200610164458.6	12/5/2006	CN101198056	ZL200610164458.6	10/14/2009
N	Inter-view prediction method, encoder and decoder of multi-viewpoint video technology	200710004570.8	1/9/2007	CN101222639	ZL200710004570.8	4/21/2010
N	Method, system and apparatus generating up and down sampling filter	200710106131.8	5/24/2007	CN101312529	ZL200710106131.8	7/21/2010
WO	Methods, systems and devices for generating upsample filter and downsample filter and for performing encoding	PCT/CN2008/070902	5/7/2008	WO2008145039		
CN	Color degree compensating process and apparatus	200710127679.0	6/25/2007	CN101335902	ZL200710127679.0	6/2/2010
CN	Encoding and decoding method with image output controllable, encoder and decoder	200710127686.0	6/25/2007	CN101335890	ZL200710127686.0	11/24/2010
CN	Method and device for encoding and decoding multi-viewpoint video image	200810066587.0	4/18/2008	CN101562745	ZL200810066587.0	7/4/2012
WO	Method and device for multi-viewpoint video image encoding and decoding	PCT/CN2009/071343	4/17/2009	WO2009127164		
EP	Method and device for multi-viewpoint video image encoding and decoding	09731573.3	4/17/2009	EP2271112		
IN	Method and apparatus for coding and decoding multi-view video images	4061/KOLNP/2010	4/17/2009			
US	Method and apparatus for coding and decoding multi-view video images	12/906,701	4/17/2009	20110032980		
CN	Encoding method, device and system	200810216098.9	9/12/2008	CN101674474	ZL200810216098.9	8/24/2011

N	Fan rotation-speed controlling method	200410030510.X	3/31/2004	CN1677297	ZL200410030510.X	3/4/2009
N	Communication equipment	200710077487.3	12/3/2007	CN101453856	ZL200710077487.3	3/21/2012
VO	Communication device	PCT/CN2008/073305	12/2/2008	WO2009076850		
N	Heat dissipation system and heat dissipation method	200810067327.5	5/23/2008	CN101588699	ZI200810067327.5	4/6/2011
N	Method and device for realizing household network management	200510070516.4	4/30/2005	CN1859159	ZL200510070516.4	4/29/2009
VO	A method for managing a home network and a home network management system	PCT/CN2006/000801	4/26/2006	WO2006116916		
EP	A method for managing a home network and a home network management system	06741728.7	4/26/2006	EP1879328		
US	Method and system for managing home network	11/873,945	4/26/2006	20080270511		
CN		200810130787.8	7/21/2008			
CN	Method, system and device for evaluating video quality	200910161628.9	7/20/2009	CN101635846	ZL200910161628.9	4/25/2012
WO	Method, system and equipment for evaluating video quality	PCT/CN2009/071633	5/5/2009	WO2010009637		
EP	Method, system and equipment for evaluating video quality	09799953.6	5/5/2009	EP2296379		
IN	Method, system and apparatus for evaluating video quality	4835/KOLNP/2010	5/5/2009			
US	Method, system and apparatus for evaluating video quality	12/976,319	5/5/2009	20110085605	8,917,777	12/23/2014
US	Method, system and apparatus for evaluating video quality	14/555,121	11/26/2014	20150085942		
CN	Method, device and system for evaluating quality of video code stream	200810068503.7	7/10/2008	CN101626506	ZL200810068503.7	6/1/2011
WO	Method, device and system for evaluating quality of video code stream	PCT/CN2009/072127	6/4/2009	WO2010003338		

P	Method, device and system for evaluating quality of video code stream	09793813.8	6/4/2009	EP2229002		
P	Method, device and system for evaluating quality of video code stream	2010-547940	6/4/2009	2011-514059	5302342	6/28/2013
IS	Method, apparatus and system for evaluating quality of video streams	12/855,110	6/4/2009	20100322319	8,576,921	11/5/2013
IS	Method, Apparatus and System for Evaluating Quality of Video Streams	14/050,740	10/10/2013	20140037016		
CN	Method, device and system for inter-frame predicting encoding and decoding	200810089318.6	4/11/2008	CN101557514	ZL200810089318.6	2/9/2011
WO	Method, device and system for interframe prediction encoding and decoding	PCT/CN2009/071224	4/10/2009	WO2009124511		
EP	Method, device and system for interframe prediction encoding and decoding	09730278.0	4/10/2009	EP2262270		
JP	Inter-frame prediction coding method, device and system	2010-544567	4/10/2009	2011-511541		
KR	Inter-frame prediction coding method, device and system	10-2010-7016370	4/10/2009	10-2010-0105730	10-1145698	5/7/2012
US	Inter-frame prediction coding method, device and system	12/830,877	4/10/2009	20100272183	8,693,543	4/8/2014
US	Inter-frame prediction coding method, device and system	14/141,161	12/26/2013	20140105298		
JP	Wireless communication system	2002-64925	3/11/2002	2003-264876	3898533	1/5/2007
WO	Radio communication system	PCT/JP2003/001719	2/18/2003	WO2003077578		
CN	Radio communication system	03805710.7	2/18/2003	CN1640167	ZL03805710.7	9/9/2009
EP	Radio communication system	03705284.2	2/18/2003	EP1489868		
KR	Radio communication system	10-2004-7014040	2/18/2003	10-2004-0088581	10-0655237	12/1/2006
US	Radio communication system	10/507,068	2/18/2003	20050181814	7,447,169	11/4/2008

U		2003211440	9/22/2003	AU2003211440		
		2004-0279267	9/27/2004			
N	Radio transmission device	201110202902.X	9/20/2005	CN102307057	ZL201110202902.X	5/7/2014
WO	Radio transmission device	PCT/JP2005/017303	9/20/2005	WO2006035637		
N	Radio transmission device	200580031925.1	9/20/2005	CN101027863	ZL200580031925.1	6/27/2012
N	Radio transmission device	201010559380.4	9/20/2005	CN102013909	ZL201010559380.4	4/10/2013
P	Radio transmission device	05785963.9	9/20/2005	EP1796300		
P	Radio transmission device	11156427.4	9/27/2004	EP2323305		
P	Radio transmission device	11173661.7	9/20/2005	EP2378699		
P	Radio transmission device	2006-537688	9/20/2005	2006-035637	4387414	10/9/2009
JS	Radio transmission device	11/663,668	9/20/2005	20070202818	7,948,960	5/24/2011
JS	Radio transmission device	12/885,264	9/17/2010	20110009079	8,422,478	4/16/2013
JS	Radio transmission device	13/168,550	6/24/2011	20110255503	8,416,757	4/9/2013
P		2005-0217296	7/27/2005			
WO	Mobile communication system, mobile station apparatus, base station apparatus, mobile communication method, program and recording medium	PCT/JP2006/314677	7/25/2006	WO2007013457		
CN	Mobile communication system, mobile station apparatus, base station apparatus, mobile communication method	200680035688.0	7/25/2006	CN101273657	ZL200680035688.0	5/30/2012
EP	Mobile communication system, mobile station apparatus, base station apparatus, mobile communication method, program and recording medium	06781589.4	7/25/2006	EP1916859		
JP	Mobile communication system, mobile station apparatus, base station apparatus, mobile communication method, program and recording medium	2007-528478	7/25/2006	2005-217296	4628424	11/19/2010

S	Mobile communication system, mobile station apparatus, base station apparatus, mobile communication method, program and recording medium	11/996,738	7/25/2006	20100284326	8,107,418	1/31/2012
P		2005-0316549	10/31/2005			
T	Terminal apparatus, base station apparatus and communication system	AT20080021643	10/30/2006	AT540487		
N	Terminal apparatus, base station apparatus and communication system	200810184725.5	10/30/2006	CN101471690	ZL200810184725.5	5/27/2010
HK	Wireless receiver	09109265.0	10/7/2009	HK1130127	HK1130127	7/19/2013
VO	Terminal apparatus, base station apparatus and communication system	PCT/JP2006/321608	10/30/2006	WO2007052576		
N	Terminal apparatus, base station apparatus and communication system	200680038892.8	10/30/2006	CN101292441	ZL200680038892.8	5/16/2012
N	Wireless transmitter	200810184724.0	10/30/2006	CN101483465	ZL200810184724.0	7/24/2013
HK	Wireless transmitter	09109273.0	10/7/2009	HK1130128	HK1130128	11/15/2013
CN	Terminal apparatus, base station apparatus and communication system	200810184723.6	10/30/2006	CN101483464	ZL200810184723.6	12/12/2012
HK	Wireless transmitter	09109264.1	10/7/2009	HK1130126	HK1130126	5/16/2013
EA	Terminal apparatus, base station apparatus and communication system	200801131	10/30/2006	012497		
EA	Wireless transmitter	200802301	10/30/2006	016627		
EA	Wireless receiving unit	200802302	10/30/2006	016947		
EA	Wireless transmitter	200802303	10/30/2006	018436		
EP	Terminal apparatus, base station apparatus and communication system	06822565.5	10/30/2006	EP1944882	EP1944882	3/2/2011
DE	Terminal apparatus, base station apparatus and communication system	602006020477.9	10/30/2006	EP1944882	EP1944882	3/2/2011
ES	Terminal apparatus, base station apparatus and communication system	06822565.5	10/30/2006	EP1944882	EP1944882	3/2/2011

I	Terminal apparatus, base station apparatus and communication system	06822565.5	10/30/2006	EP1944882	EP1944882	3/2/2011
R	Terminal, station de base et systeme de communication	06822565.5	10/30/2006	EP1944882	EP1944882	3/2/2011
IB	Terminal apparatus, base station apparatus and communication system	06822565.5	10/30/2006	EP1944882	EP1944882	3/2/2011
IU	Terminal apparatus, base station apparatus and communication system	06822565.5	10/30/2006	EP1944882	EP1944882	3/2/2011
T	Terminal apparatus, base station apparatus and communication system	06822565.5	10/30/2006	EP1944882	EP1944882	3/2/2011
PL	Terminal apparatus, base station apparatus and communication system	06822565.5	10/30/2006	EP1944882	EP1944882	3/2/2011
RO	Terminal apparatus, base station apparatus and communication system	06822565.5	10/30/2006	EP1944882	EP1944882	3/2/2011
EP	Terminal apparatus, base station apparatus and communication system	08021642.7	10/30/2006	EP2034625	EP2034625	1/7/2015
BE	Terminal apparatus, base station apparatus and communication system	08021642.7	10/30/2006	EP2034625	EP2034625	1/7/2015
CH	Terminal apparatus, base station apparatus and communication system	08021642.7	10/30/2006	EP2034625	EP2034625	1/7/2015
CZ	Wireless transmitter	08021642.7	10/30/2006	EP2034625	EP2034625	1/7/2015
DE	Terminal apparatus, base station apparatus and communication system	602006044289.0	10/30/2006	EP2034625	EP2034625	1/7/2015
FI	Terminal apparatus, base station apparatus and communication system	08021642.7	10/30/2006	EP2034625	EP2034625	1/7/2015

R	Terminal apparatus, base station apparatus and communication system	08021642.7	10/30/2006	EP2034625	EP2034625	1/7/2015
B	Wireless transmitter	08021642.7	10/30/2006	EP2034625	EP2034625	1/7/2015
R	Terminal apparatus, base station apparatus and communication system	08021642.7	10/30/2006	EP2034625	EP2034625	1/7/2015
U	Terminal apparatus, base station apparatus and communication system	08021642.7	10/30/2006	EP2034625	EP2034625	1/7/2015
E	Terminal apparatus, base station apparatus and communication system	08021642.7	10/30/2006	EP2034625	EP2034625	1/7/2015
S	Terminal apparatus, base station apparatus and communication system	08021642.7	10/30/2006	EP2034625	EP2034625	1/7/2015
T	Terminal apparatus, base station apparatus and communication system	08021642.7	10/30/2006	EP2034625	EP2034625	1/7/2015
I	Terminal apparatus, base station apparatus and communication system	08021642.7	10/30/2006	EP2034625	EP2034625	1/7/2015
UT	Terminal apparatus, base station apparatus and communication system	08021642.7	10/30/2006	EP2034625	EP2034625	1/7/2015
U	Terminal apparatus, base station apparatus and communication system	08021642.7	10/30/2006	EP2034625	EP2034625	1/7/2015
EV	Terminal apparatus, base station apparatus and communication system	08021642.7	10/30/2006	EP2034625	EP2034625	1/7/2015
MC	Terminal apparatus, base station apparatus and communication system	08021642.7	10/30/2006	EP2034625	EP2034625	1/7/2015
PL	Terminal apparatus, base station apparatus and communication system	08021642.7	10/30/2006	EP2034625	EP2034625	1/7/2015

I	Terminal apparatus, base station apparatus and communication system	08021642.7	10/30/2006	EP2034625	EP2034625	1/7/2015
O	Terminal apparatus, base station apparatus and communication system	08021642.7	10/30/2006	EP2034625	EP2034625	1/7/2015
K	Wireless transmitter	08021642.7	10/30/2006	EP2034625	EP2034625	1/7/2015
P	Wireless receiver	08021643.5	10/30/2006	EP2037592	EP2037592	1/4/2012
DE	Wireless receiver	602006026906.4	10/30/2006	EP2037592	EP2037592	1/4/2012
S	Wireless receiver	08021643.5	10/30/2006	EP2037592	EP2037592	1/4/2012
H	Wireless receiver	08021643.5	10/30/2006	EP2037592	EP2037592	1/4/2012
R	Wireless receiver	08021643.5	10/30/2006	EP2037592	EP2037592	1/4/2012
GB	Wireless receiver	08021643.5	10/30/2006	EP2037592	EP2037592	1/4/2012
E	Wireless receiver	08021643.5	10/30/2006	EP2037592	EP2037592	1/4/2012
T	Wireless receiver	08021643.5	10/30/2006	EP2037592	EP2037592	1/4/2012
J	Wireless receiver	08021643.5	10/30/2006	EP2037592	EP2037592	1/4/2012
U	Wireless receiver	08021643.5	10/30/2006	EP2037592	EP2037592	1/4/2012
PL	Wireless receiver	08021643.5	10/30/2006	EP2037592	EP2037592	1/4/2012
EP	Wireless transmitter	08021641.9	10/30/2006	EP2034624	EP2034624	5/25/2011
DE	Wireless transmitter	602006022238.6	10/30/2006	EP2034624	EP2034624	5/25/2011
ES	Wireless transmitter	08021641.9	10/30/2006	EP2034624	EP2034624	5/25/2011
FI	Wireless transmitter	08021641.9	10/30/2006	EP2034624	EP2034624	5/25/2011
FR	Wireless transmitter	08021641.9	10/30/2006	EP2034624	EP2034624	5/25/2011
GB	Wireless transmitter	08021641.9	10/30/2006	EP2034624	EP2034624	5/25/2011
HU	Wireless transmitter	08021641.9	10/30/2006	EP2034624	EP2034624	5/25/2011
IT	Wireless transmitter	08021641.9	10/30/2006	EP2034624	EP2034624	5/25/2011
PL	Wireless transmitter	08021641.9	10/30/2006	EP2034624	EP2034624	5/25/2011
RO	Wireless transmitter	08021641.9	10/30/2006	EP2034624	EP2034624	5/25/2011
US	Terminal apparatus, base station apparatus and communication system	12/089,361	4/4/2008	20100130221		
US	Wireless transmitter	12/326,557	12/2/2008	20090086838	8,111,743	2/7/2012
US	Wireless transmitter	12/326,568	12/2/2008	20090081967	8,107,897	1/31/2012
US	Wireless receiver	12/326,581	12/2/2008	20090080402	8,121,184	2/21/2012
US	Wireless transmitter	12/692,986	1/25/2010	20100124888	8,121,559	2/21/2012
US	Wireless receiver	12/693,058	1/25/2010	20100120388	8,116,708	2/14/2012
US	Wireless transmitter	13/162,437	6/16/2011	20110250855	8,170,512	5/1/2012
JP	Terminal apparatus, base station apparatus and communication system	2007-542714	10/30/2006	2007/52576	4503650	4/30/2010
JP	Radio transmitter	2010-15790	1/27/2010	2010-136424		
JP	Wireless transmitter	2008-228675	9/5/2008	2008-301535	4405573	11/13/2009

	Wireless receiver	2008-228676	9/5/2008	2009-33762	4405574	11/13/2009
	Radio receiver	2010-15791	1/27/2010	2010-136425	5101641	10/5/2012
	Terminal apparatus, base station apparatus and communication system	1943/CHENP/2008	10/30/2006			
	WIRELESS TRANSMITTER	6465/CHENP/2008	11/25/2008			
	WIRELESS TRANSMITTER	6466/CHENP/2008	11/25/2008			
	WIRELESS RECEIVER	6467/CHENP/2008	11/25/2008			
P		2005-0366932	12/20/2005			
VO	Communication system and base station and stations used therein	PCT/JP2006/325291	12/19/2006	WO2007072828		
JP	Communication system and base station and stations used therein	06842895.2	12/19/2006	EP1965529		
P	Communication system and base station and stations used therein	2007-551103	12/19/2006	2005-366932	4870093	11/25/2011
US	Communications system, and base station and terminals used therein	12/158,007	12/19/2006	20090279445	7,764,647	7/27/2010
CN		200710181370.X	10/22/2007			
CN		200710195706.8	12/12/2007			
CN	Method, system and device for medium control	200810091608.4	4/3/2008	CN101459525	ZL200810091608.4	12/12/2012
CN	Method and apparatus for acquiring IPTV service media description information	200810091604.6	4/3/2008	CN101459664	ZL200810091604.6	10/20/2010
WO	A method and a device for obtaining the media describing information of iptv service	PCT/CN2008/072776	10/21/2008	WO2009056037		
EP	A method and a device for obtaining the media describing information of iptv service	08844274.4	10/21/2008	EP2148505		
JP	Method and apparatus for acquiring IPTV service media description information	2010-530255	10/21/2008	2011-501304	5042370	7/20/2012
US	Method and device for obtaining media description information of iptv services	12/693,071	10/21/2008	20100121963	8,307,049	11/6/2012

WO	A method, system and equipment for implementing media control	PCT/CN2008/072775	10/21/2008	WO2009056036		
N	Method for realizing HTTP-based stream media service, system and network equipment	200910110053.8	11/9/2009	CN102055773	ZL200910110053.8	10/9/2013
N	Method, system and network equipment for realizing streaming media service based on hyper text transport protocol (HTTP)	201010282187.0	11/9/2009	CN102055789	ZL201010282187.0	10/9/2013
VO	Method, system and network equipment for implementing http-based streaming media service	PCT/CN2010/078343	11/2/2010	WO2011054281		
CU	Method, system and network equipment for implementing HTTP-based streaming media service	20100314582	11/2/2010	2010314582		
EP	Method, system and network equipment for implementing http-based streaming media service	10827895.3	11/2/2010	EP2437465		
N	Method and system and network device for implementing http-based streaming service	9967/CHENP/2011	11/2/2010			
JP	Method, system and network equipment for implementing http-based streaming media service	2012-521955	11/2/2010	2013-500652	5500531	3/20/2014
KR	Method, system and network equipment for implementing http-based streaming media service	1-2011-7031518	11/2/2010	10-2012-036901	10-1361021	2/4/2014
US	Method, system and network equipment for implementing http-based streaming service	13/340,224	11/2/2010	20120110138		
CN	Condition-based user selecting management method, server and system	200810145825.7	8/6/2008	CN101645882	ZL200810145825.7	8/29/2012

WO	Management method, server and system for condition based uri selection	PCT/CN2009/073095	8/5/2009	WO2010015198		
N	Method for authenticating users	200310113230.0	11/7/2003	CN1614903	ZL200310113230.0	5/9/2007
WO	A method for verifying the subscriber's validity	PCT/CN2004/001209	10/25/2004	WO2005046118		
A	A method for verifying the subscriber's validity	2545229	10/25/2004	2545229		
P	A method for verifying the subscriber s validity	04789868.9	10/25/2004	EP1681793		
P	A method for verifying the subscriber s validity	2006-538634	10/25/2004	2007-510391		
US	Method for verifying the validity of a user	11/413,732	10/25/2004	20060253424	7,941,121	5/10/2011
CN	A method for transmitting service data to WLAN user	03148006.3	6/26/2003	CN1567846	ZL03148006.3	7/12/2006
WO	Method for transmitting traffic data to wireless local area network users	PCT/CN2004/000690	6/25/2004	WO2004114588		
AU	Method for transmitting traffic data to wireless local area network users	2004250733	6/25/2004	2004250733	2004250733	10/23/2008
CA	Method for transmitting traffic data to wireless local area network users	2523404	6/25/2004			
EP	Method for transmitting traffic data to wireless local area network users	04738288.2	6/25/2004	EP1638247	EP1638247	6/2/2010
FR	Procede de transmission de donnees de trafic a des utilisateurs d'un reseau local sans fil	04738288.2	6/25/2004	EP1638247	EP1638247	6/2/2010
GB	Method for transmitting traffic data to wireless local area network users	04738288.2	6/25/2004	EP1638247	EP1638247	6/2/2010
RU	Method for transferring service data to users of wireless local network	2005133439	6/25/2004	RU2005133439A	2304853	8/20/2007
US	Method for transmitting service data to wireless local area network users	11/261,802	6/25/2004	20060109827		

N	Cell load equalization method	200810161540.2	9/24/2008	CN101686497	ZL200810161540.2	4/17/2013
N	Base station	201310127758.7	9/24/2008	CN103260270		
WO	CELL LOAD BALANCING METHOD, CELL LOAD MEASURING METHOD AND DEVICES THEREOF	PCT/CN2009/074062	9/21/2009	WO2010037320		
P	CELL LOAD BALANCING METHOD, CELL LOAD MEASURING METHOD AND DEVICES THEREOF	09817234.9	4/23/2011	EP2337395		
US	Cell load balancing method, cell load measuring method, and devices thereof	13/069,802	3/23/2011	20110171952	8,676,186	3/18/2014
JS	CELL LOAD BALANCING METHOD AND DEVICES THEREOF	14/159,622	1/21/2014	20140135031	8,958,812	2/17/2015
CN		200710137421.9	7/12/2007			
CN	Access network switching method, anchor point management equipment and mobile access equipment	200710195947.2	12/7/2007	CN101345998	ZL200710195947.2	12/28/2011
EP	Access network switching method, anchor management device, and mobile accessing device	08773155.0	1/21/2010	EP2169849	EP2169849	3/13/2013
DE	Access network switching method, anchor management device, and mobile accessing device	602008022904.1	1/21/2010	EP2169849	EP2169849	3/13/2013
GB	Access network switching method, anchor management device, and mobile accessing device	08773155.0	1/21/2010	EP2169849	EP2169849	3/13/2013
LU	Access network switching method, anchor management device, and mobile accessing device	08773155.0	1/21/2010	EP2169849	EP2169849	3/13/2013

N	Network side authority-discrimination-mode selecting method	200410080104.4	9/23/2004	CN1642083		
N	Method of selecting right identification mode at network side	200510093819.8	8/30/2005	CN1294722	ZL200510093819.8	1/10/2007
O	A method for selecting the authentication manner at the network side	PCT/CN2005/001487	9/19/2005	WO2006047925		
A	A method for selecting the authentication manner at the network side	2550506	9/19/2005	2550506		
P	A method for selecting the authentication manner at the network side	05785078.6	9/19/2005	EP1701505	EP1701505	12/10/2008
H	A method for selecting the authentication manner at the network side	05785078.6	9/19/2005	EP1701505	EP1701505	12/10/2008
DE	A method for selecting the authentication manner at the network side	602005011568.4	9/19/2005	EP1701505	EP1701505	12/10/2008
R	A method for selecting the authentication manner at the network side	05785078.6	9/19/2005	EP1701505	EP1701505	12/10/2008
JB	A method for selecting the authentication manner at the network side	05785078.6	9/19/2005	EP1701505	EP1701505	12/10/2008
IE	A method for selecting the authentication manner at the network side	05785078.6	9/19/2005	EP1701505	EP1701505	12/10/2008
LI	A method for selecting the authentication manner at the network side	05785078.6	9/19/2005	EP1701505	EP1701505	12/10/2008
LU	A method for selecting the authentication manner at the network side	05785078.6	9/19/2005	EP1701505	EP1701505	12/10/2008
US	A method for selecting the authentication manner at the network side	11/473,666	9/19/2005	20070113086	7,822,407	10/26/2010

N	Method of interactive processing of user terminal network selection information in WLAN	03146218.9	7/4/2003	CN1567872	ZL03146218.9	8/23/2006
O	An alternation disposal method for network selection information of user terminal in WLAN	PCT/CN2004/000738	7/2/2004	WO2005004384		
A	Interactive processing method for network selection information of user terminal in wireless local area network	2531141	7/2/2004	2531141		
P	An alternation disposal method for network selection information of user terminal in WLAN	04738336.9	7/2/2004	EP1643676		
P	An alternation disposal method for network selection information of user terminal in WLAN	2006-517939	7/2/2004	2007-507124		
IS	Interactive processing method for selecting network information for a userterminal in a wireless local area network	11/324,860	7/2/2004	20060179310		
BR	An alternation disposal method for network selection information of user terminal in WLAN	PI0412316-6	7/2/2004	PI0412316-6		
CN	Method of turning multimedia call back to speech call	200510055420.0	3/17/2005	CN1835630	ZL200510055420.0	9/3/2008
WO	A multimedia call processing method and the system thereof	PCT/CN2006/000402	3/15/2006	WO2006097045		
EP	A multimedia call processing method and the system thereof	06722055.8	3/15/2006	EP1724981	EP1724981	9/30/2009
DE	A multimedia call processing method and the system thereof	602006009434.5	3/15/2006	EP1724981	EP1724981	9/30/2009
FR	A multimedia call processing method and the system thereof	06722055.8	3/15/2006	EP1724981	EP1724981	9/30/2009

B	A multimedia call processing method and the system thereof	06722055.8	3/15/2006	EP1724981	EP1724981	9/30/2009
I	A multimedia call processing method and the system thereof	06722055.8	3/15/2006	EP1724981	EP1724981	9/30/2009
E	A multimedia call processing method and the system thereof	06722055.8	3/15/2006	EP1724981	EP1724981	9/30/2009
S	Method and system for handling multimedia calls	11/521,626	3/15/2006	20070076854	7,719,562	5/18/2010
N	Method and device for treating data stream	200510121519.6	12/31/2005	CN1874336	ZL200680012705.9	1/6/2010
VO	A method, device and system for processing data stream	PCT/CN2006/002750	7/12/2007	WO2007076669		
N	Data flow processing method, device and system	200680012705.9	7/12/2007	CN101160983	ZL200680012705.9	5/23/2012
S	Method, device, terminal and system for processing data flow	11/646,58	12/27/2006	20070165836		
N	Multi-antenna transmitting method	200810225165.3	10/29/2008	CN101729115		
WO	Method, apparatus and system for multi-antenna transmission	PCT/CN2009/074611	10/26/2009	WO2010048869		
EP	Method, apparatus and system for multi-antenna transmission	09823061.8	10/26/2009	EP2337234		
IN	Method, apparatus and system for multi-antenna transmission	3070/CHENP/2011	10/26/2009			
KR	Method, apparatus and system for multi-antenna transmission	10-2011-7011406	10/26/2009	10-2011-0082050	10-1274186	6/5/2013
RU	Method, apparatus and system for multi-antenna transmission	2011121544	10/26/2009	RU2011121544A	2485685	10/26/2009
US	Method, apparatus and system for multi-antenna transmission	13/097,675	4/29/2011	20110261770		
US	Method, apparatus and system for multi-antenna transmission	13/252,587	10/4/2011	20120020334		
JP		2005-371336	12/26/2005	2007-507124	This publication no. Seems to be for application no. 2006-517939; not 2005-0371336	
WO	Radio transmitter and radio transmission method	PCT/JP2006/325358	12/20/2006	WO2007077736		

N	Wireless transmitter and wireless transmission method	200680049043.2	12/20/2006	CN101346904	ZL200680049043.2	7/10/2013
N	Radio transmitter and radio transmission method	201310233682.6	12/20/2006	CN103354465		
P	Wireless transmitter and wireless transmission method	06842912.5	12/20/2006	EP1971042	EP1971042	7/30/2014
E	Wireless transmitter and wireless transmission method	06842912.5	12/20/2006	EP1971042	EP1971042	7/30/2014
H	Wireless transmitter and wireless transmission method	06842912.5	12/20/2006	EP1971042	EP1971042	7/30/2014
Z	Wireless transmitter and wireless transmission method	06842912.5	12/20/2006	EP1971042	EP1971042	7/30/2014
DE	Wireless transmitter and wireless transmission method	602006042536.8	12/20/2006	EP1971042	EP1971042	7/30/2014
R	Wireless transmitter and wireless transmission method	06842912.5	12/20/2006	EP1971042	EP1971042	7/30/2014
GB	Wireless transmitter and wireless transmission method	06842912.5	12/20/2006	EP1971042	EP1971042	7/30/2014
E	Wireless transmitter and wireless transmission method	06842912.5	12/20/2006	EP1971042	EP1971042	7/30/2014
IS	Wireless transmitter and wireless transmission method	06842912.5	12/20/2006	EP1971042	EP1971042	7/30/2014
LI	Wireless transmitter and wireless transmission method	06842912.5	12/20/2006	EP1971042	EP1971042	7/30/2014
LU	Wireless transmitter and wireless transmission method	06842912.5	12/20/2006	EP1971042	EP1971042	7/30/2014
NL	Wireless transmitter and wireless transmission method	06842912.5	12/20/2006	EP1971042	EP1971042	7/30/2014
PL	Wireless transmitter and wireless transmission method	06842912.5	12/20/2006	EP1971042	EP1971042	7/30/2014
PT	Wireless transmitter and wireless transmission method	06842912.5	12/20/2006	EP1971042	EP1971042	7/30/2014
SK	Wireless transmitter and wireless transmission method	06842912.5	12/20/2006	EP1971042	EP1971042	7/30/2014

S	Wireless transmitter and wireless transmission method	2007-0552902	12/20/2006	2007/77736	4658146	1/7/2011
S	Wireless transmitter and wireless transmission method	12/159,075	12/20/2006	20090268686	8,165,537	4/24/2012
P		2005-253194	9/1/2005			
P		2005-367860	12/21/2005			
VO	Wireless transmitting device and wireless transmitting method	PCT/JP2006/317352	9/1/2006	WO2007026882		
N	Wireless transmitting device and wireless transmitting method	200680031601.2	9/1/2006	CN101253705		
N	Transmission control method and transmission control device	201110115661.5	9/1/2006	CN102142877	ZL201110115661.5	9/12/2012
N	Wireless transmission device and wireless transmission method	200910266387.4	9/1/2006	CN101729118		
EA	Wireless transmitting device and wireless transmitting device	200800453	9/1/2006	EA011429		
EA	Transmission control method in wireless communication system	200802341	9/1/2006	EA014591		
EA	Transmission control method in wireless communication system	200802342	9/1/2006	EA014592		
EA	Transmission control method in wireless communication system	200802343	9/1/2006	EA014593		
EA	Wireless transmitting device with modulation function and time-and-frequency signal conversion	200802344	9/1/2006	EA014594		
EP	Wireless transmitting device and wireless transmitting method	06797294.3	9/1/2006	EP1921774		
EP	Transmission control method	09015517.7	9/1/2006	EP2164187	EP2164187	2/8/2012
AT	Transmission control method	09015517.7	9/1/2006	EP2164187	EP2164187	2/8/2012
CH	Transmission control method	09015517.7	9/1/2006	EP2164187	EP2164187	2/8/2012
DE	Transmission control method	09015517.7	9/1/2006	DE602006027595.1	EP2164187	2/8/2012

K	Transmission control method	09015517.7	9/1/2006	EP2164187	EP2164187	2/8/2012
S	Transmission control method	09015517.7	9/1/2006	EP2164187	EP2164187	2/8/2012
I	Transmission control method	09015517.7	9/1/2006	EP2164187	EP2164187	2/8/2012
R	Transmission control method	09015517.7	9/1/2006	EP2164187	EP2164187	2/8/2012
IB	Transmission control method	09015517.7	9/1/2006	EP2164187	EP2164187	2/8/2012
IU	Transmission control method	09015517.7	9/1/2006	EP2164187	EP2164187	2/8/2012
T	Transmission control method	09015517.7	9/1/2006	EP2164187	EP2164187	2/8/2012
J	Transmission control method	09015517.7	9/1/2006	EP2164187	EP2164187	2/8/2012
QL	Transmission control method	09015517.7	9/1/2006	EP2164187	EP2164187	2/8/2012
PL	Transmission control method	09015517.7	9/1/2006	EP2164187	EP2164187	2/8/2012
PT	Transmission control method	09015517.7	9/1/2006	EP2164187	EP2164187	2/8/2012
RO	Transmission control method	09015517.7	9/1/2006	EP2164187	EP2164187	2/8/2012
SE	Transmission control method	09015517.7	9/1/2006	EP2164187	EP2164187	2/8/2012
HK	Transmission control method	20100107325	2/8/2010	HK1141153	HK1141153	8/10/2012
EP	Wireless Transmitting Method	10187791.8	9/1/2006	EP2280495	EP2280495	3/14/2012
AT	Wireless Transmitting Method	10187791.8	9/1/2006	EP2280495	EP2280495	3/14/2012
CH	Wireless Transmitting Method	10187791.8	9/1/2006	EP2280495	EP2280495	3/14/2012
DE	Wireless Transmitting Method	10187791.8	9/1/2006	DE602006028259.1	EP2280495	3/14/2012
DK	Wireless Transmitting Method	10187791.8	9/1/2006	EP2280495	EP2280495	3/14/2012
ES	Wireless Transmitting Method	10187791.8	9/1/2006	EP2280495	EP2280495	3/14/2012
FI	Wireless Transmitting Method	10187791.8	9/1/2006	EP2280495	EP2280495	3/14/2012
FR	Wireless Transmitting Method	10187791.8	9/1/2006	EP2280495	EP2280495	3/14/2012
GB	Wireless Transmitting Method	10187791.8	9/1/2006	EP2280495	EP2280495	3/14/2012
HU	Wireless Transmitting Method	10187791.8	9/1/2006	EP2280495	EP2280495	3/14/2012
IT	Wireless Transmitting Method	10187791.8	9/1/2006	EP2280495	EP2280495	3/14/2012
LI	Wireless Transmitting Method	10187791.8	9/1/2006	EP2280495	EP2280495	3/14/2012

U	Wireless Transmitting Method	10187791.8	9/1/2006	EP2280495	EP2280495	3/14/2012
L	Wireless Transmitting Method	10187791.8	9/1/2006	EP2280495	EP2280495	3/14/2012
T	Wireless Transmitting Method	10187791.8	9/1/2006	EP2280495	EP2280495	3/14/2012
O	Wireless Transmitting Method	10187791.8	9/1/2006	EP2280495	EP2280495	3/14/2012
E	Wireless Transmitting Method	10187791.8	9/1/2006	EP2280495	EP2280495	3/14/2012
P	Transmission control method and apparatus using delays in multiple antenna systems	10187793.4	9/1/2006	EP2285012	EP2285012	12/19/2012
H	Transmission control method and apparatus using delays in multiple antenna systems	10187793.4	9/1/2006	EP2285012	EP2285012	12/19/2012
DE	Transmission control method and apparatus using delays in multiple antenna systems	602006033777.9	9/1/2006	EP2285012	EP2285012	12/19/2012
FR	Transmission control method and apparatus using delays in multiple antenna systems	10187793.4	9/1/2006	EP2285012	EP2285012	12/19/2012
LI	Transmission control method and apparatus using delays in multiple antenna systems	10187793.4	9/1/2006	EP2285012	EP2285012	12/19/2012
LU	Transmission control method and apparatus using delays in multiple antenna systems	10187793.4	9/1/2006	EP2285012	EP2285012	12/19/2012
NL	Transmission control method and apparatus using delays in multiple antenna systems	10187793.4	9/1/2006	EP2285012	EP2285012	12/19/2012
IN	Wireless transmission device and wireless transmission method	1067/CHENP/2008	9/1/2006			
IN	WIRELESS TRANSMISSION DEVICE AND WIRELESS TRANSMISSION METHOD	7363/CHENP/2009	12/15/2009			
JP	Wireless transmitting device and wireless transmitting method	2007-533362	9/1/2006	JP4477067		
JP	Transmission control method	2008-224019	9/1/2008	2009-22030	4402151	11/6/2009

S	Transmission control method	2008-224020	9/1/2008	2008-301530	4477080	3/19/2010
P	Wireless transmitting device	2008-224021	9/1/2008	2009-22031	4842307	12/21/2011
P	Radio transmitting device	2008-306807	12/1/2008	2009-95044	5280169	5/31/2013
P	Transmission control method	2009-168901	7/17/2009	2009-260992	4481353	3/26/2010
P	Transmission control method	2010-152447	7/2/2010	2010-263644	5107397	10/12/2012
JS	Wireless transmission device and wireless transmission method	12/065,051	9/1/2006	20090135940	8,098,763	1/17/2012
JS	Wireless transmission device and wireless transmission method	12/642,667	9/1/2006	20100157935	8,116,403	2/14/2012
JS	Wireless transmission device and wireless transmission method	12/823,853	9/1/2006	20100261441	8,625,717	1/7/2014
US	Wireless transmission device and wireless transmission method	12/823,886	9/1/2006	20100260287	8,170,133	5/1/2012
JP		2006-305147	11/10/2006			
WO	Wireless communication method, receiving method and wireless communication device	PCT/JP2007/071827	11/9/2007	WO2008056784		
CN	Wireless communication method, receiving method, and wireless communication device	200780041385.4	11/9/2007	CN101536379	ZL200780041385.4	10/25/2011
EP	Wireless communication method, receiving method and wireless communication device	07831558.7	11/9/2007	EP2081312		
JP	Wireless communication method, receiving method and wireless communication device	2008-543146	11/9/2007		4968956	4/13/2012
US	Wireless communication method, receiving method, and wireless communication device	12/513,891	11/9/2007	20100046360	8045538	10/25/2011

US	Method and system for optimized reference signal downlink transmission in a wireless communication system	11/736,174	4/17/2007	20080260062	7,808,882	10/5/2010
US	Method for optimized reference signal downlink transmission in a wireless communication system	12/890,783	9/27/2010	20110013504		
US	Method for optimized reference signal downlink transmission in a wireless communication system	13/324,608	12/13/2011	20120082129	8,411,556	4/2/2013
WO	Method and network system, program and computer readable medium for optimized reference signal downlink transmission in a wireless communication system	PCT/JP2008/057794	4/16/2008	WO2008130051		
JP		2008-0024400	2/4/2008			
WO	Mobile communication system, base station device, mobile station device, and mobile communication method	PCT/JP2009/051182	1/26/2009	WO2009098960		
AU	Mobile communication system, base station device, mobile station device, and mobile communication method	2009212613	1/26/2009	2009212613		
CA	Mobile communication system, base station device, mobile station device, and mobile communication method	2713854	1/26/2009	2713854		
CN	Mobile communication system, base station device, mobile station device, and mobile communication method	200980103317.5	1/26/2009	CN101926197		

A	Mobile communication system, base station device, mobile station device, and mobile communication method	201070815	1/26/2009	201070815		
JP	Mobile communication system, base station device, mobile station device, and mobile communication method	09708983.3	1/26/2009	EP2242305	EP2242305	7/9/2014
AT	Mobile communication system, base station device, mobile station device, and mobile communication method	09708983.3	1/26/2009	EP2242305	EP2242305	7/9/2014
BE	Mobile communication system, base station device, mobile station device, and mobile communication method	09708983.3	1/26/2009	EP2242305	EP2242305	7/9/2014
CH	Mobile communication system, base station device, mobile station device, and mobile communication method	09708983.3	1/26/2009	EP2242305	EP2242305	7/9/2014
CZ	Mobile communication system, base station device, mobile station device, and mobile communication method	09708983.3	1/26/2009	EP2242305	EP2242305	7/9/2014
DE	Mobile communication system, base station device, mobile station device, and mobile communication method	09708983.3	1/26/2009	EP2242305	EP2242305	7/9/2014
ES	Mobile communication system, base station device, mobile station device, and mobile communication method	09708983.3	1/26/2009	EP2242305	EP2242305	7/9/2014

FR	Mobile communication system, base station device, mobile station device, and mobile communication method	09708983.3	1/26/2009	EP2242305	EP2242305	7/9/2014
GB	Mobile communication system, base station device, mobile station device, and mobile communication method	09708983.3	1/26/2009	EP2242305	EP2242305	7/9/2014
IE	Mobile communication system, base station device, mobile station device, and mobile communication method	09708983.3	1/26/2009	EP2242305	EP2242305	7/9/2014
IS	Mobile communication system, base station device, mobile station device, and mobile communication method	09708983.3	1/26/2009	EP2242305	EP2242305	7/9/2014
LI	Mobile communication system, base station device, mobile station device, and mobile communication method	09708983.3	1/26/2009	EP2242305	EP2242305	7/9/2014
LU	Mobile communication system, base station device, mobile station device, and mobile communication method	09708983.3	1/26/2009	EP2242305	EP2242305	7/9/2014
NL	Mobile communication system, base station device, mobile station device, and mobile communication method	09708983.3	1/26/2009	EP2242305	EP2242305	7/9/2014
PL	Mobile communication system, base station device, mobile station device, and mobile communication method	09708983.3	1/26/2009	EP2242305	EP2242305	7/9/2014

PT	Mobile communication system, base station device, mobile station device, and mobile communication method	09708983.3	1/26/2009	EP2242305	EP2242305	7/9/2014
SE	Mobile communication system, base station device, mobile station device, and mobile communication method	09708983.3	1/26/2009	EP2242305	EP2242305	7/9/2014
SK	Mobile communication system, base station device, mobile station device, and mobile communication method	09708983.3	1/26/2009	EP2242305	EP2242305	7/9/2014
EP	Mobile communication system, base station device, mobile station device, and mobile communication method	14162716.6	1/26/2009	EP2753115		
IN	Mobile communication system, base station device, mobile station device, and mobile communication method	4882/CHENP/2010	1/26/2009			
JP	Mobile communication system, base station device, mobile station device, and mobile communication method	2009-552436	1/26/2009	2009/98960	4646337	12/17/2010
KR	Mobile communication system, base station device, mobile station device, and mobile communication method	10-2010-7017089	1/26/2009	10-2010-0110850	10-1154780	
MX	Mobile communication system, base station device, mobile station device, and mobile communication method	MX/a/2010/008504	1/26/2009	MX/a/2010/008504		

US	Mobile communication system, base station device, mobile station device, and mobile communication method	12/865,812	1/26/2009	20110013592	8,625,540	1/7/2014
US	Mobile Communication System, Base Station Device, Mobile Station Device, and Mobile Communication Method	14/100,845	12/9/2013	20140098788		
HK	MOBILE COMMUNICATION SYSTEM, BASE STATION DEVICE, MOBILE STATION DEVICE, AND MOBILE COMMUNICATION METHOD	11101618.7	2/18/2011	HK1147633	HK1147633	12/5/2014
CN	Mobile terminal and method of display time on mobile terminal	200410080187.7	9/24/2004	CN1753521	ZL200410080187.7	8/1/2007
CN	Method of implementing information correction for mobile communication terminal	200410080200.9	9/24/2004	CN1753523	ZL200410080200.9	5/14/2008
CN	Method for sharing storage space of mobile terminal and its system	200510031056.4	10/21/2005	CN1870771		
WO	Method and system for sharing memory area of mobile terminal	PCT/CN2006/002752	10/18/2006	WO2007045170		
CN	Method and system for sharing memory space of mobile terminal	200680012114.1	10/21/2005	CN101161000	ZL200680012114.1	1/5/2011
EP	Method and system for sharing memory area of mobile terminal	06804971.7	10/21/2005	EP1821555		
US	Method and System for Mobile Terminals to Share Storage Space	11/792,336	10/21/2005	20080043696		
CN	Extending system and its method for mobile terminal storage space	200510037544.6	9/22/2005	CN1859665	ZL200510037544.6	12/24/2008
CN	Terminal device ringing control method and terminal device	200510102687.0	9/13/2005	CN1852337	ZL200510102687.0	8/4/2010
CN	Expression symbol call method and device	200710090396.3	4/10/2007	CN101047923	ZL200710090396.3	1/6/2010

CN	Icon adjustment method and device An icon adjusting method and device	200910150113.9	7/3/2009	CN101944018	ZL200910150113.9	3/13/2013
CN	System and method for access external network of non-radio local network terminal	CN200610091155.6	6/30/2006	CN101047587	ZL200610091155.6	4/15/2009
CN	Safety verifying system and method	CN200510100660.8	10/22/2005	CN1859096	ZL200510100660.8	4/13/2011
WO	A security authentication system and a method thereof	PCT/CN2006/002732	10/17/2006	WO2007045165		
EP	A security authentication system and a method thereof	06804951.9	10/17/2006			
CN	Safety authentication system and method	CN200680012262.3	10/17/2006	CN101160783		
EP	System and method for biometric authentication	06022156.1	10/23/2006	EP1777640	EP1777640	1/6/2010
AT	System and method for biometric authentication	06022156.1	10/23/2006	EP1777640	EP1777640	1/6/2010
CH	System and method for biometric authentication	06022156.1	10/23/2006	EP1777640	EP1777640	1/6/2010
DE	System and method for biometric authentication	602006011554.7	10/23/2006	EP1777640	EP1777640	1/6/2010
FR	System and method for biometric authentication	06022156.1	10/23/2006	EP1777640	EP1777640	1/6/2010
GB	System and method for biometric authentication	06022156.1	10/23/2006	EP1777640	EP1777640	1/6/2010
IE	System and method for biometric authentication	06022156.1	10/23/2006	EP1777640	EP1777640	1/6/2010
LU	System and method for biometric authentication	06022156.1	10/23/2006	EP1777640	EP1777640	1/6/2010
NL	System and method for biometric authentication	06022156.1	10/23/2006	EP1777640	EP1777640	1/6/2010
US	System and method for security authentication using biometric authentication technique	11/584,364	10/20/2006	20070094509	8539249	9/17/2013

CN	Terminal user surrogate system and its method for subscribing and using service	CN200510121538.9	12/31/2005	CN1859387	ZL200510121538.9	12/22/2010
CN	Method for realizing information transmission in association response system	CN200510100416.1	10/15/2005	CN1859370	ZL200510100416.1	5/13/2009
CN	Method and system for realizing mobile terminal safety updating by association response system	CN200510100415.7	10/15/2005	CN1859735	ZL200510100415.7	1/28/2009
CN	Method for updating security related information in associated response system	CN200610034929.1	4/6/2006	CN1874219	ZL200610034929.1	9/2/2009
CN	Automatic mounting method for safety relative agency and relative response system	CN200610141483.2	9/29/2006	CN101052217	ZL200610141483.2	12/22/2010
WO	A method for realizing mobile station secure update and correlative reacting system	PCT/CN2006/002703	10/13/2006	WO2007045155		
US	Method for implementing security update of mobile station and a correlative reacting system	11/580,591	10/13/2006	20070088948	7933584	4/26/2011
CN	Method of implementing safety updating of mobile station and related response system	CN200680012340.X	10/13/2006	CN101161004		
EP	A method for realizing mobile station secure update and correlative reacting system	06804927.9	10/13/2006	EP1860898		
WO	A mobile terminal and its keyboard, a method for selecting a window, a method for allocating or activating a fix point on the screen	PCT/CN2006/001594	7/6/2006	WO2007019767		

CN	Mobile terminal and keyboard, frame choosing method, screen focus positioning and triggering method	CN200680012303.9	7/6/2006	CN101322093		
EP	Mobile terminal and method for region selection, for positioning and triggering of a screen focal point	06016714.5	8/10/2006	EP1752868		
CN	Method, device and system for recommending medium content	CN200810126527.3	6/24/2008	CN101615961	ZL200810126527.3	5/18/2011
WO	Method, device and system for recommending media content	PCT/CN2009/071854	5/19/2009	WO2009155811		
EP	Method, device and system for recommending media content	09768736.2	5/19/2009	EP2282461		
P	Method, device and system for recommending media content	2011-515070	5/19/2009	2011-525757		
S	Method, Apparatus and System for Recommending Media Content	12/972,749	12/20/2010	US20110088051		
√	Reserved resource release method, apparatus and base station device thereof	CN200810217789.0	11/28/2008	CN101562845	ZL200810217789.0	4/6/2011
	Method and apparatus for releasing reserved resources	09177284.8	11/27/2009	EP2192813		
	Method and apparatus for releasing reserved resources	12/626,242	11/25/2009	20100136993		
	Method for processing user terminal network selection information in WLAN	CN03148222.8	7/3/2003	CN1567879	ZL03148222.8	11/1/2006
	A method for processing the network-selected information at the user terminal in a wireless local area network	PCT/CN2004/000739	7/2/2004	WO2005004403		

CA	Method for processing network selection information of user terminal in wireless local area network	2531110	7/2/2004	CA2531110	2531110	12/7/2010
P	A method for processing the network-selected information of user terminal in wireless local area network	04738337.7	7/2/2004	EP1643684		
US	Method for processing network selection information for a user terminal in a wireless local area network	11/324,548	1/3/2006	US20060212700		
U	A method for processing the network-selected information at the user terminal in a wireless local area network	2006104107	7/2/2004	RU2006104107	2317646	2/20/2008
	A method for processing the network-selected information at the user terminal in a wireless local area network	2006-517940	7/2/2004	2007-507125		
I	Method and system for realizing alternating information presented at users' terminals in wireless local network	CN02148906.8	11/8/2002	CN1499789	ZL02148906.8	4/26/2006
	Method and system for implementing information interchange presentation on wireless LAN user terminal	CN02148378.7	12/22/2002	CN1501638	ZL02148378.7	5/2/2007
	A method, a system and a terminal for realizing presenting information interaction of the wireless lan users	PCT/CN2003/000940	11/7/2003	WO2004043007		
	A method, a system and a terminal for realizing presenting information interaction of the wireless LAN users	03810364.4	11/7/2003	EP1566921		

A	A method, a system and a terminal for realizing presenting information interaction of the wireless LAN users	2503724	11/7/2003	CA2503724		
J	A method, a system and a terminal for realizing presenting information interaction of the wireless LAN users	2003277478	11/7/2003	2003277478	2003277478	9/20/2007
R	A method, a system and a terminal for realizing presenting information interaction of the wireless LAN users	PI0316098	11/7/2003	BR200316098		
	A method, a system and a terminal for realizing presenting information interaction of the wireless LAN users	2004-549031	11/7/2003	2006-505977	4176076	8/29/2008
	A method, a system and a terminal for realizing presenting information interaction of the wireless LAN users	10-2005-7008243	11/7/2003	10-2005-0072818	10-0768118	10/11/2007
	A method, a system and a terminal for realizing presenting information interaction of the wireless LAN users	11/124,600	5/5/2005	US20050265296		
	Method, terminal and base station for triggering terminal to transmit measurement reference signal	CN201010228436.8	7/13/2010			
	Method, terminal and base station for triggering terminal to transmit measurement reference signal	CN201210057968.9	10/11/2010	CN102625354	ZL201210057968.9	3/26/2014
	Method, terminal and base station for triggering terminal to transmit measurement reference signals	CN201010502725.2	10/11/2010	CN102014506	ZL201010502725.2	8/29/2012
	Method, terminal and base station for triggering terminal to transmit sounding reference signal	PCT/CN2011/073303	4/26/2011	WO2011140908		

N	Method, terminal and base station for triggering terminal to transmit sounding reference signal	CN201180034147.7	4/26/2011	CN103026771		
P	Method, terminal and base station for triggering terminal to transmit sounding reference signal	11780129.0	4/26/2011	EP2528400		
S	Method for triggering terminal to send sounding reference signal, terminal, and base station	13/633,311	10/2/2012	US20130028211	8767629	7/1/2014
S	Method for triggering terminal to send sounding reference signal, terminal, and base station	14/278,082	5/15/2014	US20140247789		

公 证 书

(2015)深证字第 113202 号

申请人：华为技术有限公司，住所：深圳市龙岗区坂田
华为总部办公楼。

法定代表人：孙亚芳，女，一九五五年十月十八日出生，
公民身份号码：110108195510188520。

委托代理人：龙丽文，女，一九八八年六月四日出生，
公民身份号码：430224198806046541。

公证事项：印章

兹证明华为技术有限公司的委托代理人龙丽文于二〇
一五年六月三十日来到我处，在本公证员的面前确认，前面
的英文文件上华为技术有限公司的法定代表人“孙亚芳”的
签名章由委托代理人龙丽文盖章。

中华人民共和国广东省深圳市深圳公证处

公证员



二〇一五年六月三十日

1184870985

深圳市深圳公证处 郭雪萍

NOTARIAL CERTIFICATE

(2015)SZZi,No.113202

Applicant: Huawei Technologies Co., Ltd.

Address: Administration Building, Headquarters of Huawei, Bantian,
Longgang District, Shenzhen

Legal Representative: Sun Yafang, female, born on October 18, 1955, ID
Card No. 110108195510188520

Entrusted attorney: Long Liwen, female, born on June 4, 1988, ID Card
No. 430224198806046541

Issue under notarization: Stamp

This is to certify that Long Liwen, the entrusted attorney of Huawei Technologies Co., Ltd., came to our notary public office on June 30, 2015 and confirmed before me, the notary public, that the signature of Sun Yafang, the legal representative of Huawei Technologies Co., Ltd., on the foregoing English document was affixed by Long Liwen.

Shenzhen Notary Public Office

Shenzhen City, Guangdong Province

The People's Republic of China

Notary Public: Guo Xueping

June 30, 2015

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