PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
Stylesheet Version v1.2

EPAS ID: PAT6751058

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
RNB WIRELESS LLC	04/27/2021

RECEIVING PARTY DATA

Name:	PANTECH WIRELESS, LLC
Street Address:	3000 POLAR LANE
Internal Address:	SUITE 202
City:	CEDAR PARK
State/Country:	TEXAS
Postal Code:	78613

PROPERTY NUMBERS Total: 148

Property Type	Number
Application Number:	10810153
Application Number:	09501865
Application Number:	12771710
Application Number:	14556377
Application Number:	14842211
Application Number:	15201854
Application Number:	16404254
Application Number:	10187693
Application Number:	10187687
Application Number:	10188279
Application Number:	10187484
Application Number:	10860848
Application Number:	11519540
Application Number:	09415321
Application Number:	10329033
Application Number:	60367949
Application Number:	13872792
Application Number:	14551381
Application Number:	15141932

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Property Type	Number
Application Number:	15606661
Application Number:	16460600
Application Number:	10328890
Application Number:	60367975
Application Number:	10328791
Application Number:	60367946
Application Number:	10329098
Application Number:	60367945
Application Number:	10329099
Application Number:	60367950
Application Number:	10328685
Application Number:	60367948
Application Number:	10431897
Application Number:	60379858
Application Number:	13444283
Application Number:	13755700
Application Number:	14577896
Application Number:	15180415
Application Number:	15722779
Application Number:	16853339
Application Number:	10600905
Application Number:	60392594
Application Number:	10622681
Application Number:	12124716
Application Number:	12345428
Application Number:	60399864
Application Number:	60396822
Application Number:	10632776
Application Number:	12169739
Application Number:	60400602
Application Number:	12758330
Application Number:	14080250
Application Number:	14856119
Application Number:	10726374
Application Number:	60430854
Application Number:	12464312
Application Number:	13214490
Application Number:	13524348

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Application Number:	13862735
Application Number:	15230919
Application Number:	15797439
Application Number:	60494404
Application Number:	60434232
Application Number:	60438560
Application Number:	60444068
Application Number:	10725779
Application Number:	11974381
Application Number:	60470921
Application Number:	13309962
Application Number:	13744984
Application Number:	14300734
Application Number:	15623258
Application Number:	10980723
Application Number:	60519436
Application Number:	12559641
Application Number:	12901931
Application Number:	13589723
Application Number:	14186375
Application Number:	14845703
Application Number:	15722759
Application Number:	16290686
Application Number:	17099379
Application Number:	60507554
Application Number:	60508797
Application Number:	10925426
Application Number:	60585174
Application Number:	60497747
Application Number:	13236133
Application Number:	15212402
Application Number:	15212403
Application Number:	16533320
Application Number:	17008178
Application Number:	17099193
Application Number:	17099203
Application Number:	17099213
Application Number:	60517656

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Application Number:	60519990
Application Number:	60520207
Application Number:	10962720
Application Number:	11434330
Application Number:	60520692
Application Number:	13308950
Application Number:	13908242
Application Number:	14869313
Application Number:	15699418
Application Number:	16283407
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Application Number:	15836302
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Application Number:	61018567

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Application Number:	12346631
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Application Number:	15135616
Application Number:	15135620
Application Number:	15782532
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Application Number:	16440886
Application Number:	17099407
Application Number:	17099386
Application Number:	61018999
Application Number:	61025441
Application Number:	61038576
Application Number:	61074288
Application Number:	61083409

CORRESPONDENCE DATA

Fax Number: (215)568-6499

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: 2155686400
Email: lgivigliano@vklaw.com
Correspondent Name: VOLPE KOENIG
Address Line 1: 30 SOUTH 17TH STREET, 18TH FLOOR
Address Line 4: PHILADELPHIA, PENNSYLVANIA 19103

ATTORNEY DOCKET NUMBER:	PANW-1B
NAME OF SUBMITTER:	JOSEPH P. GUSHUE
SIGNATURE:	/JOSEPH P. GUSHUE/
DATE SIGNED:	06/08/2021

Total Attachments: 90
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PATENT ASSIGNMENT AGREEMENT

This Patent Assignment Agreement (this "***Assignment***"), is made and entered into as of April 27, 2021 (the "***Effective Date***"), by and between RnB Wireless LLC, a Texas Limited Liability Company ("***Assignor***"), and Pantech Wireless, LLC, a Texas Limited Liability Company ("***Assignee***").

WHEREAS, Assignee and Assignor have entered into that certain Patent Transfer Agreement, of even date herewith (the "***Patent Transfer Agreement***"), pursuant to which Assignor has agreed to assign and transfer to Assignee, and Assignee has agreed to receive all of Assignor's right, title and interest in and to (a) those patents and patent applications listed on Appendix I attached hereto (collectively, the ***"Listed Patents"***), including any reissues, reexaminations, continuations, continuations-in-part, divisionals and foreign counterparts thereof, (b) all patents and patent applications claiming Priority to or sharing a common Priority with any of the items set forth in (a), including any reissues, reexaminations, continuations, continuations-in-part, divisionals and foreign counterparts thereof, but in each case only to the extent owned by the Assignor on or before the Effective Date; and (c) all patents and patent applications claiming Priority to or sharing a common Priority with, any of the items set forth in (a) or (b), including any reissues, reexaminations, continuations, continuations-in-part, divisionals and foreign counterparts thereof, but in each case only to the extent first filed on or after the Effective Date, where ***"Priority"*** means a formal claim of priority to the filing date of an earlier patent or patent application that is expressly made (i) in a U.S. patent under 35 U.S.C. § 119, 35 U.S.C. § 120, 35 U.S.C. § 121, or 35 U.S.C. § 365; or (ii) in a foreign patent under the corresponding legal requirements for claiming priority in the foreign country, including under the Paris Convention or PCT (collectively the "***Assigned Patents***");

NOW, THEREFORE, in consideration of entering into the Patent Transfer Agreement and other good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, Assignor and Assignee agree as follows:

Assignor does hereby assign and transfer and convey unto Assignee its entire right, title and interest in and to the Assigned Patents listed in Appendix I hereto, including Assignor's rights under the Assigned Patents to sue for injunctive relief and damages for past, present and future infringement of the Assigned Patents. Assignee acknowledges and agrees that the Assigned Patents remain subject to certain rights to Assignor and certain other rights and licenses that, prior to the date hereof, have been granted or are required to be granted under the Assigned Patents, as set forth and provided for in the Patent Transfer Agreement, which shall remain in effect notwithstanding assignment of such Assigned Patents.

Assignor hereby authorizes the respective patent office or governmental agency to record the Assigned Patents and any reissues or reexaminations thereof in the name of Assignee, as the assignee of the entire interest therein.

This Assignment shall be construed and interpreted in accordance with the Patent Transfer Agreement. Nothing in this Assignment shall, or shall be deemed to, modify or otherwise affect any provisions of the Patent Transfer Agreement or affect or modify or expand any of the rights or obligations of the parties under the Patent Transfer Agreement. In the event of any conflict

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between the provisions hereof and the provisions of the Patent Transfer Agreement, the provisions of the Patent Transfer Agreement shall govern and control. Neither Assignor nor Assignee makes any representations or warranties of any kind, whether express, implied, or otherwise, under this Assignment, all of which are governed solely by the Patent Transfer Agreement.

This Assignment may be executed in counterparts, each of which will be deemed an original, and all of which together constitute one and the same instrument.

IN WITNESS WHEREOF, Assignor and Assignee have caused this Assignment to be executed by their respective duly authorized representatives as of the Effective Date.

RnB Wireless LLC:

By: _____
Name: Richard J. Fagan
Title: Member/Manager

Pantech Wireless, LLC:

By: _____
Name: Pef Kim
Title: President

ACKNOWLEDGMENT

STATE OF FLORIDA :
: SS
COUNTY OF SARASOTA :

Before me, a Notary Public for the State and County aforesaid, on this day personally appeared Richard J. Fagan, as a member/manager of RnB Wireless LLC, known to me personally to be the person whose name is subscribed to the foregoing instrument, and acknowledged to me that he executed the same on behalf of RnB Wireless LLC for the purposes and consideration therein expressed.

Given under my hand and seal of office this 18 day of June, 2021.

Notary Public

My commission expires: 02/03/25

NOTARY PUBLIC
ADAM NORGROVE
Notary Public, State of Florida
Commission# HH 90035
My comm. expires Feb. 8, 2025

ACKNOWLEDGMENT

STATE OF Virginia :
: SS
COUNTY OF Fairfax :

Before me, a Notary Public for the State and County aforesaid, on this day personally appeared Pep Kim, as President of Pantech Wireless LLC, known to me personally to be the person whose name is subscribed to the foregoing instrument, and acknowledged to me that he executed the same on behalf of said limited liability company for the purposes and consideration therein expressed.

Given under my hand and seal of office this 03rd day of June, 2021.

Notary Public

My commission expires 7/31/2022

ANGEL CRUZ LOPEZ NOTARY PUBLIC REG # 7788202 COMMISSION EXPIRES 7/31/2022 COMMONWEALTH OF VIRGINIA

APPENDIX I

LISTED PATENTS

File #	Title	Country Name	Status	Application #	Date Filed	Patent #	Grant Date
RNB-2-0114.1US	ASYMMETRICAL FORWARD/REVERSE TRANSMISSION BANDWIDTH	United States of America	Issued	10/810,153	Mar 26, 2004	7710909	May 4, 2010
RNB-2-0114CA	ASYMMETRICAL FORWARD/REVERSE TRANSMISSION BANDWIDTH (SELECTABLE BANDWIDTH PROCESSING)	Canada	Abandoned	2,343,170	Feb 10, 2000		
RNB-2-0114CN	ASYMMETRICAL FORWARD/REVERSE TRANSMISSION BANDWIDTH (SELECTABLE BANDWIDTH PROCESSING)	China	Closed	00801367.5	Feb 10, 2000	ZL00801367.5	Aug 4, 2004
RNB-2-0114CN.1	ASYMMETRICAL FORWARD/REVERSE TRANSMISSION BANDWIDTH (SELECTABLE BANDWIDTH PROCESSING)	China	Closed	200410002452.X	Feb 10, 2000	ZL200410002452.X	Nov 1, 2006
RNB-2-0114CN.2	ASYMMETRICAL FORWARD/REVERSE TRANSMISSION BANDWIDTH (SELECTABLE BANDWIDTH PROCESSING)	China	Closed	200410056472.5	Feb 10, 2000	ZL200410056472.5	Oct 6, 2010
RNB-2-0114DE01	ASYMMETRICAL FORWARD/REVERSE TRANSMISSION BANDWIDTH (SELECTABLE BANDWIDTH PROCESSING)	Germany	Closed	08008295.5	Feb 10, 2000	60047037.7	Mar 28, 2012
RNB-2-0114DE02	ASYMMETRICAL FORWARD/REVERSE TRANSMISSION BANDWIDTH (SELECTABLE BANDWIDTH PROCESSING)	Germany	Closed	00907229.9	Feb 10, 2000	1169781	Oct 27, 2004
RNB-2-0114DE03	ASYMMETRICAL FORWARD/REVERSE TRANSMISSION BANDWIDTH (SELECTABLE BANDWIDTH PROCESSING)	Germany	Closed	04025423.7	Feb 10, 2000	1501204	Apr 26, 2006

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RNB-2-0114DK01	ASYMMETRICAL FORWARD/REVERSE TRANSMISSION BANDWIDTH (SELECTABLE BANDWIDTH PROCESSING)	Denmark	Closed	00907229.9	Feb 10, 2000	1169781	Oct 27, 2004
RNB-2-0114EP	ASYMMETRICAL FORWARD/REVERSE TRANSMISSION BANDWIDTH (SELECTABLE BANDWIDTH PROCESSING)	European Patent Office	Issued	00907229.9	Feb 10, 2000	1169781	Oct 27, 2004
RNB-2-0114EP.1	ASYMMETRICAL FORWARD/REVERSE TRANSMISSION BANDWIDTH (SELECTABLE BANDWIDTH PROCESSING)	European Patent Office	Issued	04025423.7	Feb 10, 2000	1501204	Apr 26, 2006
RNB-2-0114EP.2	ASYMMETRICAL FORWARD/REVERSE TRANSMISSION BANDWIDTH (SELECTABLE BANDWIDTH PROCESSING)	European Patent Office	Closed	06008295.5	Feb 10, 2000	1681774	Mar 28, 2012
RNB-2-0114ES01	ASYMMETRICAL FORWARD/REVERSE TRANSMISSION BANDWIDTH (SELECTABLE BANDWIDTH PROCESSING)	Spain	Closed	06008295.5	Feb 10, 2000		
RNB-2-0114ES02	ASYMMETRICAL FORWARD/REVERSE TRANSMISSION BANDWIDTH (SELECTABLE BANDWIDTH PROCESSING)	Spain	Closed	00907229.9	Feb 10, 2000	1169781	Oct 27, 2004
RNB-2-0114ES03	ASYMMETRICAL FORWARD/REVERSE TRANSMISSION BANDWIDTH (SELECTABLE BANDWIDTH PROCESSING)	Spain	Closed	04025423.7	Feb 10, 2000	1501204	Apr 26, 2006
RNB-2-0114FI01	ASYMMETRICAL FORWARD/REVERSE TRANSMISSION BANDWIDTH (SELECTABLE BANDWIDTH PROCESSING)	Finland	Closed	00907229.9	Feb 10, 2000	1169781	Oct 27, 2004
RNB-2-0114FI02	ASYMMETRICAL FORWARD/REVERSE TRANSMISSION BANDWIDTH (SELECTABLE BANDWIDTH PROCESSING)	Finland	Closed	04025423.7	Feb 10, 2000	1501204	Apr 26, 2006
RNB-2-0114FR01	ASYMMETRICAL FORWARD/REVERSE TRANSMISSION BANDWIDTH (SELECTABLE	France	Closed	06008295.5	Feb 10, 2000		

	BANDWIDTH PROCESSING)						
RNB-2-0114FR02	ASYMMETRICAL FORWARD/REVERSE TRANSMISSION BANDWIDTH (SELECTABLE BANDWIDTH PROCESSING)	France	Closed	00907229.9	Feb 10, 2000	1169781	Oct 27, 2004
RNB-2-0114FR03	ASYMMETRICAL FORWARD/REVERSE TRANSMISSION BANDWIDTH (SELECTABLE BANDWIDTH PROCESSING)	France	Closed	040254237	Feb 10, 2000	1501204	Apr 26, 2006
RNB-2-0114GB01	ASYMMETRICAL FORWARD/REVERSE TRANSMISSION BANDWIDTH (SELECTABLE BANDWIDTH PROCESSING)	United Kingdom	Closed	06008295.5	Feb 10, 2000		
RNB-2-0114GB02	ASYMMETRICAL FORWARD/REVERSE TRANSMISSION BANDWIDTH (SELECTABLE BANDWIDTH PROCESSING)	United Kingdom	Closed	040254237	Feb 10, 2000	1501204	Apr 26, 2006
RNB-2-0114GB03	ASYMMETRICAL FORWARD/REVERSE TRANSMISSION BANDWIDTH (SELECTABLE BANDWIDTH PROCESSING)	United Kingdom	Closed	00907229.9	Feb 10, 2000	1169781	Oct 27, 2004
RNB-2-0114HK	ASYMMETRICAL FORWARD/REVERSE TRANSMISSION BANDWIDTH IN A CDMA SYSTEM	Hong Kong	Closed	02105115.7	Jul 9, 2002	1044642	Feb 25, 2005
RNB-2-0114HK.1	ASYMMETRICAL FORWARD/REVERSE TRANSMISSION BANDWIDTH (SELECTABLE BANDWIDTH PROCESSING)	Hong Kong	Closed	05101840.5	Mar 2, 2005	1068196	Nov 24, 2006
RNB-2-0114HK.2	ASYMMETRICAL FORWARD/REVERSE TRANSMISSION BANDWIDTH (SELECTABLE BANDWIDTH PROCESSING)	Hong Kong	Abandoned	07100319.7	Feb 10, 2000		
RNB-2-0114IT01	ASYMMETRICAL FORWARD/REVERSE TRANSMISSION BANDWIDTH (SELECTABLE BANDWIDTH PROCESSING)	Italy	Closed	00907229.9	Feb 10, 2000	1169781	Oct 27, 2004

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RNB-2-0114JP	ASYMMETRICAL FORWARD/REVERSE TRANSMISSION BANDWIDTH IN A CDMA SYSTEM	Japan	Closed	2001-559159	Feb 10, 2000	3985522	Jul 20, 2007
RNB-2-0114KR	ASYMMETRICAL FORWARD/REVERSE TRANSMISSION BANDWIDTH (SELECTABLE BANDWIDTH PROCESSING)	Republic of Korea	Closed	10-2001-7003022	Feb 10, 2000	0659006	Dec 12, 2006
RNB-2-0114KR.1	ASYMMETRICAL FORWARD/REVERSE TRANSMISSION BANDWIDTH (SELECTABLE BANDWIDTH PROCESSING)	Republic of Korea	Closed	10-2006-7014602	Feb 10, 2000	10-0701912	Mar 26, 2007
RNB-2-0114NL01	ASYMMETRICAL FORWARD/REVERSE TRANSMISSION BANDWIDTH (SELECTABLE BANDWIDTH PROCESSING)	Netherlands	Closed	6008295.5	Feb 10, 2000		
RNB-2-0114SE01	ASYMMETRICAL FORWARD/REVERSE TRANSMISSION BANDWIDTH (SELECTABLE BANDWIDTH PROCESSING)	Sweden	Closed	06008295.5	Feb 10, 2000		
RNB-2-0114SE02	ASYMMETRICAL FORWARD/REVERSE TRANSMISSION BANDWIDTH (SELECTABLE BANDWIDTH PROCESSING)	Sweden	Closed	00907229.9	Feb 10, 2000	1169781	Oct 27, 2004
RNB-2-0114SE03	ASYMMETRICAL FORWARD/REVERSE TRANSMISSION BANDWIDTH (SELECTABLE BANDWIDTH PROCESSING)	Sweden	Closed	040254237	Feb 10, 2000	1501204	Apr 26, 2006
RNB-2-0114TW	ASYMMETRICAL FORWARD/REVERSE TRANSMISSION BANDWIDTH	Taiwan R.O.C.	Closed	90101708	Jan 29, 2001	NI-166897	Apr 1, 2003
RNB-2-0114US	ASYMMETRICAL FORWARD/REVERSE TRANSMISSION BANDWIDTH	United States of America	Issued	09/501,865	Feb 10, 2000	6728225	Apr 27, 2004
RNB-2-0114US03	ASYMMETRICAL FORWARD/REVERSE TRANSMISSION BANDWIDTH	United States of America	Issued	12/771,710	Apr 30, 2010	8902810	Dec 2, 2014
RNB-2-0114US04	ASYMMETRICAL FORWARD/REVERSE TRANSMISSION BANDWIDTH	United States of America	Closed	14/556,377	Dec 1, 2014	9130649	Sep 8, 2015

RNB-2-0114US05	ASYMMETRICAL FORWARD/REVERSE TRANSMISSION BANDWIDTH	United States of America	Closed	14/842,211	Sep 1, 2015	9385777	Jul 5, 2016
RNB-2-0114US06	ASYMMETRICAL FORWARD/REVERSE TRANSMISSION BANDWITH	United States of America	Closed	15/201,854	Jul 5, 2016		
RNB-2-0114US07	ASYMMETRICAL FORWARD/REVERSE TRANSMISSION BANDWITH	United States of America	Published	16/404,254	May 6, 2019		
RNB-2-0114WO	ASYMMETRICAL FORWARD/REVERSE TRANSMISSION BANDWIDTH (SELECTABLE BANDWIDTH PROCESSING)	PCT	Expired	PCT/US00/03332	Feb 10, 2000		
RNB-2-0126.1US	BASE STATION FOR DETECTING SHORT CODES	United States of America	Issued	10/187,693	Jul 1, 2002	6744755	Jun 1, 2004
RNB-2-0126.2US	SHORT CODE DETECTION METHOD	United States of America	Issued	10/187,667	Jul 1, 2002	6751208	Jun 15, 2004
RNB-2-0126.3US	SYSTEM FOR DETECTING SHORT CODES	United States of America	Issued	10/188,279	Jul 1, 2002	6744756	Jun 1, 2004
RNB-2-0126.4US	USER EQUIPMENT FOR DETECTING SHORT CODES	United States of America	Issued	10/187,484	Jul 1, 2002	6741584	May 25, 2004
RNB-2-0126.5US	USER EQUIPMENT FOR DETECTING SHORT CODES	United States of America	Issued	10/860,848	Jun 4, 2004	7106720	Sep 12, 2006
RNB-2-0126.6US	USER EQUIPMENT FOR DETECTING SHORT CODES	United States of America	Issued	11/519,540	Sep 12, 2006	7889664	Feb 15, 2011
RNB-2-0126AR	SHORT CODE DETECTION METHOD	Argentina	Closed	P000105299	Oct 6, 2000	AR025982B1	Dec 28, 2005
RNB-2-0126AR.1	SHORT CODE DETECTION METHOD	Argentina	Abandoned				

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RNB-2-0126DE	SHORT CODE DETECTION METHOD	Germany	Closed	00970464.4	Sep 21, 2000	1219038	Aug 3, 2005
RNB-2-0126DK	SHORT CODE DETECTION METHOD	Denmark	Closed	00970464.4	Sep 21, 2000	1219038	Aug 3, 2005
RNB-2-0126EP	SHORT CODE DETECTION METHOD	European Patent Office	Issued	00970464.4	Sep 21, 2000	1219038	Aug 3, 2005
RNB-2-0126EP.1	SHORT CODE DETECTION METHOD	European Patent Office	Closed	05016461.5	Sep 21, 2000		
RNB-2-0126ES	SHORT CODE DETECTION METHOD	Spain	Closed		Sep 21, 2000		
RNB-2-0126FI	SHORT CODE DETECTION METHOD	Finland	Closed	00970464.4	Sep 21, 2000	1219038	Aug 3, 2005
RNB-2-0126FR	SHORT CODE DETECTION METHOD	France	Closed	00970464.4	Sep 21, 2000	1219038	Aug 3, 2005
RNB-2-0126GB	SHORT CODE DETECTION METHOD	United Kingdom	Closed	00970464.4	Sep 21, 2000	1219038	Aug 3, 2005
RNB-2-0126HK	SHORT CODE DETECTION METHOD	Hong Kong	Closed	03100089.6	Jan 2, 2003	1048399	Mar 24, 2006
RNB-2-0126HK.1	SHORT CODE DETECTION METHOD	Hong Kong	Abandoned	06106163.2	Sep 21, 2000		
RNB-2-0126IT	SHORT CODE DETECTION METHOD	Italy	Closed	00970464.4	Sep 21, 2000	1219038	Aug 3, 2005
RNB-2-0126JP	SHORT CODE DETECTION METHOD	Japan	Closed	2001-530228	Sep 21, 2000	3948554	Apr 27, 2007

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RNB-2-0126JP.1	SHORT CODE DETECTION METHOD	Japan	Closed	2007-27928	Sep 21, 2000	4213189	Nov 7, 2008
RNB-2-0126TW	SHORT CODE DETECTION METHOD	Taiwan R.O.C.	Closed	89120889	Oct 6, 2000	NI-163219	Jan 27, 2003
RNB-2-0126US	METHOD FOR DETECTING SHORT CODES IN CDMA SYSTEMS	United States of America	Issued	09/415,321	Oct 8, 1999	6414951	Jul 2, 2002
RNB-2-0126WO	SHORT CODE DETECTION METHOD	PCT	Expired	PCT/US00/25772	Sep 21, 2000		
RNB-2-0288.0KR	RLAN WIRELESS TELECOMMUNICATION SYSTEM WITH RAN IP GATEWAY AND METHODS	Republic of Korea	Closed	10-2004-7008497	Mar 25, 2003	0637108	Oct 16, 2006
RNB-2-0288.0KR.1	RLAN WIRELESS TELECOMMUNICATION SYSTEM WITH RAN IP GATEWAY AND METHODS	Republic of Korea	Closed	10-2005-7017463	Mar 25, 2003	10-0908309	Jul 10, 2009
RNB-2-0288.0KR.2	RLAN WIRELESS TELECOMMUNICATION SYSTEM WITH RAN IP GATEWAY AND METHODS	Republic of Korea	Closed	10-2008-7007192	Mar 25, 2003	10-0967366-00-00	Jun 24, 2010
RNB-2-0288.0KR.3	RLAN WIRELESS TELECOMMUNICATION SYSTEM WITH RAN IP GATEWAY AND METHODS	Republic of Korea	Closed	10-2008-7029383	Mar 25, 2003		
RNB-2-0288.1AR	RLAN WIRELESS TELECOMMUNICATIONS YSTEM WITH RAN IP GATEWAY AND METHODS	Argentina	Closed	P030101049	Mar 26, 2003	AR039144B1	Dec 3, 2007
RNB-2-0288.1AR.1	RLAN WIRELESS TELECOMMUNICATIONS YSTEM WITH RAN IP GATEWAY AND METHODS	Argentina	Closed	P070104951	Mar 26, 2003	AR063594B2	Mar 22, 2010
RNB-2-0288.1CA	RLAN WIRELESS TELECOMMUNICATIONS SYSTEM WITH RAN IP GATEWAY AND METHODS	Canada	Closed	2,478,860	Mar 25, 2003		
RNB-2-0288.1CN	TDD-RLAN WIRELESS TELECOMMUNICATION SYSTEM WITH RAN IP GATEWAY AND METHODS	China	Closed	03807023.5	Mar 25, 2003		

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RNB-2-0288.1CN.1	TDD-RLAN WIRELESS TELECOMMUNICATION SYSTEM WITH RAN IP GATEWAY AND METHODS	China	Closed	200810169430.0	Mar 25, 2003		
RNB-2-0288.1CN.2	TDD-RLAN WIRELESS TELECOMMUNICATION SYSTEM WITH RAN IP GATEWAY AND METHODS	China	Closed	200810173397.9	Mar 25, 2003		
RNB-2-0288.1CN.3	TDD-RLAN WIRELESS TELECOMMUNICATION SYSTEM WITH RAN IP GATEWAY AND METHODS	China	Issued	200810173398.3	Mar 25, 2003	ZL 200810173398.3	Jun 3, 2015
RNB-2-0288.1CNUM	INDEPENDENT RLAN WITH RAN IP GATEWAY	China	Expired	03246557.2	Mar 26, 2003	ZL03246557.2	Dec 15, 2004
RNB-2-0288.1DEUM	INDEPENDENT RLAN WITH RAN IP GATEWAY	Germany	Expired	20304552.1	Mar 21, 2003	20304552.1	Aug 7, 2003
RNB-2-0288.1EP	RLAN WIRELESS TELECOMMUNICATION SYSTEM WITH RAN IP GATEWAY AND METHODS	European Patent Office	Closed	03745606.8	Mar 25, 2003		
RNB-2-0288.1HK	TDD-RLAN WIRELESS TELECOMMUNICATION SYSTEM WITH RAN IP GATEWAY AND METHODS	Hong Kong	Closed	05109789.1	Nov 3, 2005		
RNB-2-0288.1HKST	INDEPENDENT RLAN WITH RAN IP GATEWAY	Hong Kong	Expired	03102140.2	Mar 25, 2003	HK1054169	Nov 7, 2003
RNB-2-0288.1JP	RLAN WIRELESS TELECOMMUNICATION SYSTEM WITH RAN IP GATEWAY AND METHODS	Japan	Closed	2003-581380	Mar 25, 2003	4637486	Dec 3, 2010
RNB-2-0288.1JP.1	RLAN WIRELESS TELECOMMUNICATION SYSTEM WITH RAN IP GATEWAY AND METHODS	Japan	Issued	2005-280526	Mar 25, 2003	4749104	May 27, 2011
RNB-2-0288.1JP.2	RLAN WIRELESS TELECOMMUNICATION SYSTEM WITH RAN IP GATEWAY AND METHODS	Japan	Closed	2009-046586	Mar 25, 2003	5208022	Mar 1, 2013
RNB-2-0288.1JP.3	RLAN WIRELESS TELECOMMUNICATION SYSTEM WITH RAN IP GATEWAY AND METHODS	Japan	Closed	2009-110323	Mar 25, 2003	5208049	Mar 1, 2013

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RNB-2-0288.1JP.4	TDD-RLAN WIRELESS TELECOMMUNICATION SYSTEM WITH RAN IP GATEWAY AND METHODS	Japan	Closed	N/A	Mar 25, 2003		
RNB-2-0288.1KR	INDEPENDENT RLAN WITH RAN IP GATEWAY	Republic of Korea	Abandoned	10-2004-0030675	Apr 30, 2004		
RNB-2-0288.1KR.1	INDEPENDENT RLAN WITH RAN IP GATEWAY	Republic of Korea	Abandoned	10-2005-0090792	Apr 30, 2004		
RNB-2-0288.1KRUM	INDEPENDENT RLAN WITH RAN IP GATEWAY	Republic of Korea	Expired	20-2003-0009085	Mar 26, 2003	0319039	Jun 25, 2003
RNB-2-0288.1MY	TDD-RLAN WIRELESS TELECOMMUNICATION SYSTEM WITH RAN IP GATEWAY AND METHODS	Malaysia	Closed	PI20031072	Mar 25, 2003	MY-135893-A	Jul 31, 2006
RNB-2-0288.1MY.1	TDD-RLAN WIRELESS TELECOMMUNICATION SYSTEM WITH RAN IP GATEWAY AND METHODS	Malaysia	Closed	PI20070861	Mar 25, 2003		
RNB-2-0288.1NO	TDD-RLAN WIRELESS TELECOMMUNICATIONS YSTEM WITH RAN IP GATEWAY AND METHODS	Norway	Closed	20044567	Mar 25, 2003	339458	Dec 12, 2016
RNB-2-0288.1TW	TDD-RLAN wireless telecommunication system with RAN IP gateway and methods	Taiwan R.O.C.	Closed	92106785	Mar 26, 2003	I243620	Nov 11, 2005
RNB-2-0288.1TW.1	RLAN WIRELESS TELECOMMUNICATIONS YSTEM WITH RAN IP GATEWAY AND METHODS	Taiwan R.O.C.	Closed	92127608	Mar 26, 2003	I320644	Feb 11, 2010
RNB-2-0288.1TW.2	TDD-RLAN WIRELESS TELECOMMUNICATION SYSTEM WITH RAN IP GATEWAY AND METHODS	Taiwan R.O.C.	Closed	94135012	Mar 26, 2003	I316344	Oct 21, 2009
RNB-2-0288.1TW.3	METHOD FOR RADIO LOCAL AREA NETWORK APPARATUS AND METHOD IMPLEMENTED IN HOME RADIO LOCAL AREA NETWORK NODE B	Taiwan R.O.C.	Closed	97145832	Mar 26, 2003	I396406	May 11, 2013
RNB-2-0288.1TWUM	INDEPENDENT RLAN WITH RAN IP GATEWAY	Taiwan R.O.C.	Closed	92204699	Mar 26, 2003	217008	Apr 20, 2004

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RNB-2-0288.1US	RLAN WIRELESS TELECOMMUNICATION SYSTEM WITH RAN IP GATEWAY AND METHODS	United States of America	Issued	10/329,033	Dec. 23, 2002	8432893	Apr 30, 2013
RNB-2-0286.1VE	TDD-RLAN WIRELESS TELECOMMUNICATIONS YSTEM WITH RAN IP GATEWAY AND METHODS	Venezuela	Closed	473-03	Mar 26, 2003		
RNB-2-0288.1WO	TDD-RLAN WIRELESS TELECOMMUNICATION SYSTEM WITH RAN IP GATEWAY AND METHODS	PCT	Expired	PCT/US03/09170	Mar 25, 2003		
RNB-2-0288CA02	RLAN WIRELESS TELECOMMUNICATIONS SYSTEM WITH RAN IP GATEWAY AND METHODS	Canada	Issued	2,899,629	Mar 25, 2003	2899629	Nov 7, 2017
RNB-2-0288EP02	TDD-RLAN WIRELESS TELECOMMUNICATION SYSTEM WITH RAN IP GATEWAY AND METHODS	European Patent Office	Closed	12195718.7	Mar 25, 2003		
RNB-2-0288EP03	TDD-RLAN WIRELESS TELECOMMUNICATION SYSTEM WITH RAN IP GATEWAY AND METHODS	European Patent Office	Closed	12195719.5	Mar 25, 2003		
RNB-2-0288EP04	RLAN WIRELESS TELECOMMUNICATION SYSTEM WITH RAN IP GATEWAY AND METHODS	European Patent Office	Published	14171952.6	Mar 25, 2003		
RNB-2-0288HK03	TDD-RLAN WIRELESS TELECOMMUNICATION SYSTEM WITH RAN IP GATEWAY AND METHODS	Hong Kong	Closed	09110660.9	Nov 3, 2005		
RNB-2-0288HK04	WIRELESS TELECOMMUNICATION SYSTEM WITH RAN IP GATEWAY AND METHODS	Hong Kong	Closed	10100328.1	Mar 25, 2003		
RNB-2-0288KR08	RLAN WIRELESS TELECOMMUNICATION SYSTEM WITH RAN IP GATEWAY AND METHODS	Republic of Korea	Closed	10-2009-7011179	Mar 25, 2003	10-1037146-00-00	May 19, 2011
RNB-2-0288KR09	RLAN WIRELESS TELECOMMUNICATION SYSTEM WITH RAN IP GATEWAY AND METHODS	Republic of Korea	Closed	10-2010-7008053	Mar 25, 2003	1069301	Sep 26, 2011
RNB-2-0288KR10	RLAN WIRELESS TELECOMMUNICATION SYSTEM WITH RAN IP GATEWAY AND METHODS	Republic of Korea	Issued	10-2010-7027846	Mar 25, 2003	1238290	Feb 22, 2013

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RNB-2-0288NO02	TDD-RLAN WIRELESS TELECOMMUNICATIONS YSTEM WITH RAN IP GATEWAY AND METHODS	Norway	Closed	20161314	Mar 25, 2003		
RNB-2-0288TW06	RLAN WIRELESS TELECOMMUNICATION SYSTEM WITH RAN IP GATEWAY AND METHODS	Taiwan R.O.C.	Closed	99101284	Mar 26, 2003		
RNB-2-0288TW07	TDD-RLAN WIRELESS TELECOMMUNICATION SYSTEM WITH RAN IP GATEWAY AND METHODS	Taiwan R.O.C.	Issued	101147286	Mar 26, 2003	I580220	Apr 21, 2017
RNB-2-0288TW08	TDD-RLAN WIRELESS TELECOMMUNICATION SYSTEM WITH RAN IP GATEWAY AND METHODS	Taiwan R.O.C.	Closed	105110276	Mar 26, 2003		
RNB-2-0288US	SYSTEM TO IMPLEMENT COMMUNICATION SERVICES IN TIME DIVISION DUPLEX-RADIO LOCAL AREA NETWORK (TDD-RLAN)	United States of America	Expired	60/367,949	Mar 26, 2002		
RNB-2-0288US03	RLAN WIRELESS TELECOMMUNICATIONS WITH RADIO ACCESS NETWORK (RAN) GATEWAY AND METHODS	United States of America	Issued	13/872,792	Apr 29, 2013	8897186	Nov 25, 2014
RNB-2-0288US04	U-PLANE AND C-PLANE COMMUNICATIONS	United States of America	Issued	14/551,381	Nov 24, 2014	9357390	May 31, 2016
RNB-2-0288US05	WIRELESS COMMUNICATION SYSTEM	United States of America	Issued	15/141,932	Apr 29, 2016	9667438	May 30, 2017
RNB-2-0288US06	WIRELESS COMMUNICATION SYSTEM	United States of America	Issued	15/606,661	May 26, 2017	10361883	Jul 23, 2019
RNB-2-0288US07	WIRELESS COMMUNICATION SYSTEM	United States of America	Allowed	16/460,600	Jul 2, 2019	11005686	May 11, 2021
RNB-2-0289.1CNUM	RLAN WITH RAN IP GATEWAY WITH MOBILITY MANAGEMENT	China	Expired	03246558.0	Mar 26, 2003	ZL03246558.0	Nov 10, 2004
RNB-2-0289.1DEUM	RLAN WITH RAN IP GATEWAY WITH MOBILITY MANAGEMENT	Germany	Expired	20304554.8	Mar 21, 2003	20304554.8	Aug 7, 2003

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RNB-2-0289.1HKST	RLAN WITH RAN IP GATEWAY WITH MOBILITY MANAGEMENT	Hong Kong	Expired	03102139.5	Mar 25, 2003	HK1054168	Nov 7, 2003
RNB-2-0289.1KR	RLAN WITH RAN IP GATEWAY WITH MOBILITY MANAGEMENT	Republic of Korea	Closed	10-2004-0030046	Mar 26, 2003	0938854	Jan 19, 2010
RNB-2-0289.1KR.1	RLAN WITH RAN IP GATEWAY WITH MOBILITY MANAGEMENT	Republic of Korea	Closed	10-2005-0102873	Mar 26, 2003	0938449	Jan 15, 2010
RNB-2-0289.1KRUM	RLAN WITH RAN IP GATEWAY WITH MOBILITY MANAGEMENT	Republic of Korea	Expired	20-2003-0009067	Mar 26, 2003	0319283	Jun 27, 2003
RNB-2-0289.1TWUM	RLAN WITH RAN IP GATEWAY WITH MOBILITY MANAGEMENT	Taiwan R.O.C.	Closed	92204701	Mar 26, 2003	224707	Oct 4, 2004
RNB-2-0289.1US	RLAN WIRELESS TELECOMMUNICATION SYSTEM WITH RAN IP GATEWAY AND METHODS	United States of America	Issued	10/328,890	Dec 23, 2002	7505431	Mar 17, 2009
RNB-2-0289US	TIME DIVISION DUPLEX-RADIO LOCAL AREA NETWORK (TDD-RLAN) MOBILITY MANAGEMENT (MM) AND RADIO RESOURCE MANAGEMENT (RRM)	United States of America	Expired	60/367,975	Mar 26, 2002		
RNB-2-0290.1CNUM	RLAN WITH RAN IP GATEWAY EMPLOYING C-PLANE AND U-PLANE SERVERS	China	Expired	03241591.5	Mar 26, 2003	ZL03241591.5	Apr 5, 2006
RNB-2-0290.1DEUM	RLAN WITH RAN IP GATEWAY EMPLOYING C-PLANE AND U-PLANE SERVERS	Germany	Expired	20304815.6	Mar 25, 2003	20304815.6	Aug 21, 2003
RNB-2-0290.1HKST	RLAN WITH RAN IP GATEWAY EMPLOYING C-PLANE AND U-PLANE SERVERS	Hong Kong	Expired	03102136.8	Mar 26, 2003	HK1054164	Nov 7, 2003
RNB-2-0290.1KR	RLAN WITH RAN IP GATEWAY EMPLOYING C-PLANE AND U-PLANE SERVERS	Republic of Korea	Closed	10-2004-0030047	Mar 26, 2003	10-0938857	Jan 19, 2010
RNB-2-0290.1KR.1	RLAN WITH RAN IP GATEWAY EMPLOYING C-PLANE AND U-PLANE SERVERS	Republic of Korea	Closed	10-2005-0103506	Mar 26, 2003	0938450	Jan 15, 2010

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RNB-2-0290.1KR.2	RLAN WITH RAN IP GATEWAY EMPLOYING C-PLANE AND U-PLANE SERVERS	Republic of Korea	Closed				
RNB-2-0290.1KRUM	RLAN WITH RAN IP GATEWAY EMPLOYING C-PLANE AND U-PLANE SERVERS	Republic of Korea	Expired	20-2003-0009084	Mar 26, 2003	0319038	Jun 25, 2003
RNB-2-0290.1TWUM	Interconnected network components in a radio local area network (RLAN)	Taiwan R.O.C.	Closed	92204700	Mar 26, 2003	222297	Jul 30, 2004
RNB-2-0290.1US	TDD-RLAN WIRELESS TELECOMMUNICATION SYSTEM WITH RAN IP GATEWAY AND METHODS	United States of America	Issued	10/328,791	Dec 23, 2002	7406068	Jul 29, 2008
RNB-2-0290US	INTERNET PROPTOCOL BASED IMPLEMENTATION OF THE TIME DIVISION DUPLEX RADIO LOCAL AREA NETWORK (TDD-RLAN)	United States of America	Expired	60/367,946	Mar 26, 2002		
RNB-2-0291.1CNUM	RLAN WITH RAN IP GATEWAY UTILIZING INTERNAL IU-PS INTERFACE AND IP TRANSPORT	China	Expired	03241589.3	Mar 26, 2003	ZL03241589.3	Mar 1, 2006
RNB-2-0291.1DEUM	RLAN WITH RAN IP GATEWAY UTILIZING INTERNAL IU-PS INTERFACE AND IP TRANSPORT	Germany	Expired	20304814.8	Mar 25, 2003	20304814.8	Aug 7, 2003
RNB-2-0291.1HKST	RLAN WITH RAN IP GATEWAY UTILIZING INTERNAL IU-PS INTERFACE AND IP TRANSPORT	Hong Kong	Expired	03102135.9	Mar 26, 2003	HK1054166	Nov 7, 2003
RNB-2-0291.1KR	RLAN WITH RAN IP GATEWAY UTILIZING INTERNAL IU-PS INTERFACE AND IP TRANSPORT LAYER	Republic of Korea	Closed	10-2004-0030680	Mar 26, 2003	10-0938855	Jan 19, 2010
RNB-2-0291.1KR.1	RLAN WITH RAN IP GATEWAY UTILIZING INTERNAL IU-PS INTERFACE AND IP TRANSPORT	Republic of Korea	Closed	10-2005-0090152	Mar 26, 2003	0938448	Jan 15, 2010
RNB-2-0291.1KRUM	RLAN WITH RAN IP GATEWAY UTILIZING INTERNAL IU-PS INTERFACE AND IP TRANSPORT	Republic of Korea	Expired	20-2003-0009087	Mar 26, 2003	0319041	Jun 25, 2003
RNB-2-0291.1TWUM	RLAN WITH RAN IP GATEWAY UTILIZING INTERNAL IU-PS INTERFACE AND IP TRANSPORT LAYER	Taiwan R.O.C.	Expired	92204703	Mar 26, 2003	222298	Jul 30, 2004

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RNB-2-0291.1US	RLAN WIRELESS TELECOMMUNICATION SYSTEM WITH RAN IP GATEWAY AND	United States of America	Issued	10/329,098	Dec 23, 2002	7394795	Jul 1, 2008
RNB-2-0291US	ARCHITECTURE FOR TIME DIVISION DUPLEX-RADIO LOCAL AREA NETWORK (TDD-RLAN) SYSTEM	United States of America	Expired	60/367,945	Mar 26, 2002		
RNB-2-0292.1CNUM	RLAN WITH RAN IP GATEWAY SUPPORTING VOICE OVER IP TRANSPORT LAYER	China	Expired	03241590.7	Mar 26, 2003	ZL03241590.7	Mar 1, 2006
RNB-2-0292.1DEUM	RLAN WITH RAN IP GATEWAY SUPPORTING VOICE OVER IP TRANSPORT LAYER	Germany	Expired	20304816.4	Mar 25, 2003	20304816.4	Aug 7, 2003
RNB-2-0292.1HKST	RLAN WITH RAN IP GATEWAY SUPPORTING VOICE OVER IP TRANSPORT LAYER	Hong Kong	Expired	03102137.7	Mar 26, 2003	HK1054165	Nov 7, 2003
RNB-2-0292.1KR	RLAN WITH RAN IP GATEWAY SUPPORTING VOICE OVER IP TRANSPORT LAYER	Republic of Korea	Closed	10-2004-0030052	Apr 29, 2004	10-0938852	Jan 19, 2010
RNB-2-0292.1KR.1	RLAN WITH RAN IP GATEWAY SUPPORTING VOICE OVER IP TRANSPORT LAYER	Republic of Korea	Closed	10-2005-0102086	Mar 26, 2003	0936858	Jan 19, 2010
RNB-2-0292.1KRUM	RLAN WITH RAN IP GATEWAY SUPPORTING VOICE OVER IP TRANSPORT LAYER	Republic of Korea	Expired	20-2003-0009086	Mar 26, 2003	0319040	Jun 25, 2003
RNB-2-0292.1TWUM	RLAN with RAN IP gateway supporting voice over IP transport layer	Taiwan R.O.C.	Closed	92204702	Mar 26, 2003	225268	Oct 18, 2004
RNB-2-0292.1US	TDD-RLAN WIRELESS TELECOMMUNICATION SYSTEM WITH RAN IP GATEWAY AND METHODS	United States of America	Issued	10/329,099	Dec 23, 2002	7489672	Feb 10, 2009
RNB-2-0292US	VOICE SUPPORT IN TIME DIVISION DUPLEX-RADIO LOCAL AREA NETWORK (TDD-RLAN) SYSTEMS	United States of America	Expired	60/367,950	Mar 26, 2002		
RNB-2-0293.1CNUM	RLAN WITH RAN IP GATEWAY WITH AAA FUNCTION ASSOCIATION WITH CN	China	Expired	03241588.5	Mar 26, 2003	ZL03241588.5	Jan 18, 2006

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RNB-2-0293.1DEUM	RLAN WITH RAN IP GATEWAY WITH AAA FUNCTION ASSOCIATION WITH CN	Germany	Expired	20304817.2	Mar 25, 2003	20304817.2	Aug 7, 2003
RNB-2-0293.1HKST	RLAN WITH RAN IP GATEWAY WITH AAA FUNCTION ASSOCIATION WITH CN	Hong Kong	Expired	03102138.6	Mar 25, 2003	HK1054167	Nov 7, 2003
RNB-2-0293.1KR	RLAN WITH RAN IP GATEWAY WITH AAA FUNCTION ASSOCIATION WITH CN	Republic of Korea	Closed	10-2004-0030647	Mar 26, 2003	0927893	Nov 13, 2009
RNB-2-0293.1KR.1	RLAN WITH RAN IP GATEWAY WITH AAA FUNCTION ASSOCIATION WITH CN	Republic of Korea	Closed	10-2005-0091129	Apr 30, 2004		
RNB-2-0293.1TWUM	RLAN WITH RAN IP GATEWAY WITH AAA FUNCTION ASSOCIATION WITH CN	Taiwan R.O.C.	Expired	92204698	Mar 26, 2003	243860	Sep 11, 2004
RNB-2-0293.1US	TDD-RLAN WIRELESS TELECOMMUNICATION SYSTEM WITH RAN IP GATEWAY AND METHODS	United States of America	Closed	10/328,685	Dec 23, 2002		
RNB-2-0293US	SUBSCRIBER MANAGEMENT SYSTEM AND METHOD FOR TIME DIVISION DUPLEX-RADIO LOCAL AREA NETWORK (TDD-RLAN)	United States of America	Expired	60/367,948	Mar 26, 2002		
RNB-2-0328.1AR	COGNITIVE FLOW CONTROL BASED ON CHANNEL QUALITY CONDITIONS	Argentina	Closed	P030101646	May 12, 2003	AR039544B1	Dec 20, 2007
RNB-2-0328.1AR.1	COGNITIVE FLOW CONTROL BASED ON CHANNEL QUALITY CONDITIONS	Argentina	Closed	P070104354	May 12, 2003	AR063092	Oct 8, 2009
RNB-2-0328.1CA	COGNITIVE FLOW CONTROL BASED ON CHANNEL QUALITY CONDITIONS	Canada	Closed	2,485,579	May 8, 2003	2485579	Mar 8, 2016
RNB-2-0328.1CN	COGNITIVE FLOW CONTROL BASED ON CHANNEL QUALITY CONDITIONS	China	Abandoned	03810554.3	May 8, 2003		
RNB-2-0328.1CN.1	COGNITIVE FLOW CONTROL BASED ON CHANNEL QUALITY CONDITIONS	China	Closed	200810009800.4	May 8, 2003	ZL200810009800.4	Nov 7, 2012

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RNB-2-0328.1CNUM	USER EQUIPMENT WHICH PERFORMS COGNITIVE FLOW CONTROL BASED ON CHANNEL QUALITY CONDITIONS	China	Expired	03246580.7	May 12, 2003	ZL03246580.7	Jun 16, 2004
RNB-2-0328.1DEUM	USER EQUIPMENT WHICH PERFORMS COGNITIVE FLOW CONTROL BASED ON CHANNEL QUALITY CONDITIONS	Germany	Expired	20307251.0	May 9, 2003	20307251.0	Sep 25, 2003
RNB-2-0328.1EP	COGNITIVE FLOW CONTROL BASED ON CHANNEL QUALITY CONDITIONS	European Patent Office	Issued	03728849.5	May 8, 2003	1546744	Jul 17, 2013
RNB-2-0328.1HK	COGNITIVE FLOW CONTROL BASED ON CHANNEL QUALITY CONDITIONS	Hong Kong	Closed	05108523.4	May 8, 2003		
RNB-2-0328.1HK.1	COGNITIVE FLOW CONTROL BASED ON CHANNEL QUALITY CONDITIONS	Hong Kong	Closed	09101281.7	Feb 11, 2009	HK1124453	Aug 2, 2013
RNB-2-0328.1HKST	USER EQUIPMENT WHICH PERFORMS COGNITIVE FLOW CONTROL BASED ON CHANNEL QULITY CONDITIONS	Hong Kong	Expired	03103284.6	May 10, 2003	HK1054670	Nov 21, 2003
RNB-2-0328.1JP	COGNITIVE FLOW CONTROL BASED ON CHANNEL QUALITY CONDITIONS	Japan	Closed	2004-504400	May 8, 2003	4035536	Nov 2, 2007
RNB-2-0328.1JP.1	COGNITIVE FLOW CONTROL BASED ON CHANNEL QUALITY CONDITIONS	Japan	Closed	2006-007818	May 8, 2003	4519075	May 28, 2010
RNB-2-0328.1JP.2	COGNITIVE FLOW CONTROL BASED ON CHANNEL QUALITY CONDITIONS	Japan	Closed	2008-021560	May 8, 2003	4473317	Mar 12, 2010
RNB-2-0328.1KR	COGNITIVE FLOW CONTROL BASED ON CHANNEL QUALITY CONDITIONS	Republic of Korea	Closed	10-2004-7018122	May 8, 2003	0641009	Oct 25, 2006
RNB-2-0328.1KR.1	USER EQUIPMENT WHICH PERFORMS COGNITIVE FLOW CONTROL BASED ON CHANNEL QUALITY CONDITIONS	Republic of Korea	Closed	10-2004-0080188	Oct 8, 2004	0675114	Jan 22, 2007
RNB-2-0328.1KR.2	USER EQUIPMENT WHICH PERFORMS COGNITIVE FLOW CONTROL BASED ON CHANNEL QUALITY CONDITIONS	Republic of Korea	Abandoned	10-2005-0078295	Oct 8, 2004		

RNB-2-0328.1KR.3	COGNITIVE FLOW CONTROL BASED ON CHANNEL QUALITY CONDITIONS	Republic of Korea	Closed	10-2005-7015732	May 8, 2003	1057440	Aug 10, 2011
RNB-2-0328.1KR.4	COGNITIVE FLOW CONTROL BASED ON CHANNEL QUALITY CONDITIONS	Republic of Korea	Closed	10-2008-7011503	May 8, 2003	10-0967150-00-00	Jun 23, 2010
RNB-2-0328.1KRUM	USER EQUIPMENT WHICH PERFORMS COGNITIVE FLOW CONTROL BASED ON CHANNEL QUALITY CONDITIONS	Republic of Korea	Abandoned	20-2003-0014442	May 10, 2003	0330756	Oct 10, 2003
RNB-2-0328.1MX	COGNITIVE FLOW CONTROL BASED ON CHANNEL QUALITY CONDITIONS	Mexico	Closed	PA/A/2004/011168	May 8, 2003	266170	Apr 20, 2009
RNB-2-0328.1MX.1	COGNITIVE FLOW CONTROL BASED ON CHANNEL QUALITY CONDITIONS	Mexico	Closed	MX/A/2007/011564	May 8, 2003	275810	May 10, 2010
RNB-2-0328.1MX.2	COGNITIVE FLOW CONTROL BASED ON CHANNEL QUALITY CONDITIONS	Mexico	Closed	MX/a/2008/016262	May 8, 2003	287579	Jun 17, 2011
RNB-2-0328.1MY	COGNITIVE FLOW CONTROL BASED ON CHANNEL QUALITY CONDITIONS	Malaysia	Closed	PI20031753	May 9, 2003	MY-145676-A	Sep 30, 2013
RNB-2-0328.1MY.1	COGNITIVE FLOW CONTROL BASED ON CHANNEL QUALITY CONDITIONS	Malaysia	Closed	PI20071170	May 9, 2003		
RNB-2-0328.1NO	COGNITIVE FLOW CONTROL BASED ON CHANNEL QUALITY CONDITIONS	Norway	Closed	20045388	May 8, 2003		
RNB-2-0328.1TW	COGNITIVE FLOW CONTROL BASED ON CHANNEL QUALITY CONDITIONS	Taiwan R.O.C.	Closed	92112480	May 7, 2003	241813	Oct 11, 2005
RNB-2-0328.1TW.1	RADIO NETWORK CONTROLLER AND NODE-B	Taiwan R.O.C.	Closed	93105324	May 7, 2003	I275272	Mar 1, 2007
RNB-2-0328.1TW.2	NODE B FOR PERFORMING FLOW CONTROL AND METHOD THEREOF	Taiwan R.O.C.	Closed	95115398	May 7, 2003	I357743	Feb 1, 2012

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RNB-2-0328.1TW3	COGNITIVE FLOW CONTROL BASED ON CHANNEL QUALITY CONDITIONS	Taiwan R.O.C.	Closed	96101968	May 7, 2003	I357744	Feb 1, 2012
RNB-2-0328.1TWUM	USER EQUIPMENT WHICH PERFORMS COGNITIVE FLOW CONTROL BASED ON CHANNEL QUALITY CONDITIONS	Taiwan R.O.C.	Closed	92208356	May 7, 2003	223200	Aug 20, 2004
RNB-2-0328.1US	COGNITIVE FLOW CONTROL BASED ON CHANNEL QUALITY CONDITIONS	United States of America	Issued	10/431,897	May 8, 2003	8175030	May 8, 2012
RNB-2-0328.1VE	COGNITIVE FLOW CONTROL BASED ON CHANNEL QUALITY CONDITIONS	Venezuela	Closed	754-03	May 12, 2003		
RNB-2-0328.1WO	COGNITIVE FLOW CONTROL BASED ON CHANNEL QUALITY CONDITIONS	PCT	Expired	PCT/US03/14894	May 8, 2003		
RNB-2-0328AR03	COGNITIVE FLOW CONTROL BASED ON CHANNEL QUALITY CONDITIONS	Argentina	Closed	P090103130	May 12, 2003	AR073042B2	Oct 28, 2013
RNB-2-0328CA02	COGNITIVE FLOW CONTROL BASED ON CHANNEL QUALITY CONDITIONS	Canada	Closed				
RNB-2-0328DE01	COGNITIVE FLOW CONTROL BASED ON CHANNEL QUALITY CONDITIONS	Germany	Closed	03728849.5	May 8, 2003	1546744	Jul 17, 2013
RNB-2-0328FR01	COGNITIVE FLOW CONTROL BASED ON CHANNEL QUALITY CONDITIONS	France	Closed	03728849.5	May 8, 2003	1546744	Jul 17, 2013
RNB-2-0328GB01	COGNITIVE FLOW CONTROL BASED ON CHANNEL QUALITY CONDITIONS	United Kingdom	Closed	03728849.5	May 8, 2003	1546744	Jul 17, 2013
RNB-2-0328JP04	COGNITIVE FLOW CONTROL BASED ON CHANNEL QUALITY CONDITIONS	Japan	Closed	2009-242546	May 8, 2003	4968804	May 11, 2012
RNB-2-0328JP05	COGNITIVE FLOW CONTROL BASED ON CHANNEL QUALITY CONDITIONS	Japan	Closed	2012-025155	May 8, 2003		

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RNB-2-0328JP06	COGNITIVE FLOW CONTROL BASED ON CHANNEL QUALITY CONDITIONS	Japan	Closed	2012-106959	May 8, 2003	5577377	Jul 11, 2014
RNB-2-0328JP07	COGNITIVE FLOW CONTROL BASED ON CHANNEL QUALITY CONDITIONS	Japan	Closed	2014-040912	May 8, 2003		
RNB-2-0328KR06	COGNITIVE FLOW CONTROL BASED ON CHANNEL QUALITY CONDITIONS	Republic of Korea	Closed	10-2009-7005566	May 8, 2003	0945408	Feb 25, 2010
RNB-2-0328KR07	COGNITIVE FLOW CONTROL BASED ON CHANNEL QUALITY CONDITIONS	Republic of Korea	Closed	10-2009-7018291	May 8, 2003	1056480	Aug 5, 2011
RNB-2-0328KR08	COGNITIVE FLOW CONTROL BASED ON CHANNEL QUALITY CONDITIONS	Republic of Korea	Closed	10-2010-7002356	May 8, 2003	10-1024001	Mar 15, 2011
RNB-2-0328KR10	COGNITIVE FLOW CONTROL BASED ON CHANNEL QUALITY CONDITIONS	Republic of Korea	Closed	10-2010-7002955	May 8, 2003		
RNB-2-0328KR11	COGNITIVE FLOW CONTROL BASED ON CHANNEL QUALITY CONDITIONS	Republic of Korea	Closed	10-2010-7014490	May 8, 2003		
RNB-2-0328MY03	COGNITIVE FLOW CONTROL BASED ON CHANNEL QUALITY CONDITIONS	Malaysia	Closed	PI2014000879	May 9, 2003		
RNB-2-0328NL01	COGNITIVE FLOW CONTROL BASED ON CHANNEL QUALITY CONDITIONS	Netherlands	Closed	03728849.5	May 8, 2003	1546744	Jul 17, 2013
RNB-2-0328NO02	COGNITIVE FLOW CONTROL BASED ON CHANNEL QUALITY CONDITIONS	Norway	Closed	20140402	May 8, 2003		
RNB-2-0328TW06	COGNITIVE FLOW CONTROL BASED ON CHANNEL QUALITY CONDITIONS	Taiwan R.O.C.	Closed	99107015	May 7, 2003		
RNB-2-0328TW07	COGNITIVE FLOW CONTROL BASED ON CHANNEL QUALITY CONDITIONS	Taiwan R.O.C.	Closed	101103629	May 7, 2003	I489822	Jun 21, 2015

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RNB-2-0328TW08	COGNITIVE FLOW CONTROL BASED ON CHANNEL QUALITY CONDITIONS	Taiwan R.O.C.	Closed	104116433	May 7, 2003	I540863	Jul 1, 2016
RNB-2-0328TW09	COGNITIVE FLOW CONTROL BASED ON CHANNEL QUALITY CONDITIONS	Taiwan R.O.C.	Closed	105115735	May 7, 2003		
RNB-2-0328US	COGNITIVE FLOW CONTROL TO DEGRADATION OF CHANNEL CONDITIONS	United States of America	Expired	60/379,858	May 10, 2002		
RNB-2-0328US03	COGNITIVE FLOW CONTROL BASED ON CHANNEL QUALITY CONDITIONS	United States of America	Issued	13/444,283	Apr 11, 2012	8379575	Feb 19, 2013
RNB-2-0328US04	COGNITIVE FLOW CONTROL BASED ON CHANNEL QUALITY CONDITIONS	United States of America	Issued	13/755,700	Jan 31, 2013	8942200	Jan 27, 2015
RNB-2-0328US05	COGNITIVE FLOW CONTROL BASED ON CHANNEL QUALITY CONDITIONS	United States of America	Issued	14/577,896	Dec 19, 2014	9369917	Jun 14, 2016
RNB-2-0328US06	COGNITIVE FLOW CONTROL BASED ON CHANNEL QUALITY CONDITIONS	United States of America	Issued	15/180,415	Jun 13, 2016	9781629	Oct 3, 2017
RNB-2-0328US07	COGNITIVE FLOW CONTROL BASED ON CHANNEL QUALITY CONDITIONS	United States of America	Issued	15/722,779	Oct 2, 2017	10631197	Apr 21, 2020
RNB-2-0328US08	COGNITIVE FLOW CONTROL BASED ON CHANNEL QUALITY CONDITIONS	United States of America	Published	16/853,339	Apr 20, 2020		
RNB-2-0337.1AR	METHOD FOR COORDINATING SERVICES IN INTEGRATED WLAN-CELLULAR SYSTEMS	Argentina	Closed	P030102328	Jun 27, 2003	AR040291B1	Jun 29, 2007
RNB-2-0337.1CA	METHOD AND SYSTEM FOR COORDINATING SERVICES IN INTEGRATED WLAN-CELLULAR SYSTEMS	Canada	Abandoned	2,490,904	Jun 28, 2003		
RNB-2-0337.1CN	SYSTEM FOR COORDINATING SERVICES IN INTEGRATED WLAN-CELLULAR SYSTEMS	China	Closed	03815048.4	Jun 28, 2003	ZL03815048.4	Apr 25, 2007

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RNB-2-0337.1CNUM	USER EQUIPMENT OPERATING IN INTEGRATED WLAN-CELLULAR SYSTEMS	China	Expired	03272726.7	Jun 30, 2003	ZL03272726.7	Aug 24, 2005
RNB-2-0337.1DEUM	USER EQUIPMENT OPERATING IN INTEGRATED WLAN-CELLULAR SYSTEMS	Germany	Expired	20309954.0	Jun 27, 2003	20309954.0	Oct 2, 2003
RNB-2-0337.1EP	SYSTEM FOR COORDINATING SERVICES IN INTEGRATED WLAN-CELLULAR SYSTEMS	European Patent Office	Closed	03762034.1	Jun 28, 2003		
RNB-2-0337.1HK	METHOD AND SYSTEM FOR COORDINATING SERVICES IN INTEGRATED WLAN-CELLULAR SYSTEMS	Hong Kong	Closed	05109193.1	Oct 18, 2005	1077451	Aug 10, 2007
RNB-2-0337.1HKST	USER EQUIPMENT OPERATING IN INTEGRATED WLAN-CELLULAR SYSTEMS	Hong Kong	Expired	03104637.8	Jun 28, 2003	HK1051178	Aug 27, 2004
RNB-2-0337.1JP	SYSTEM FOR COORDINATING SERVICES IN INTEGRATED WLAN-CELLULAR SYSTEMS	Japan	Closed	2004-517812	Jun 28, 2003	4230995	Dec 12, 2008
RNB-2-0337.1JP.1	SYSTEM FOR COORDINATING SERVICES IN INTEGRATED WLAN-CELLULAR SYSTEMS	Japan	Closed	2005-282023	Jun 28, 2003		
RNB-2-0337.1KR	USER EQUIPMENT OPERATING IN INTEGRATED WLAN-CELLULAR SYSTEMS	Republic of Korea	Closed	10-2004-0066523	Jun 28, 2003	0663146	Dec 22, 2006
RNB-2-0337.1KR.1	SYSTEM FOR COORDINATING SERVICES IN INTEGRATED WLAN-CELLULAR SYSTEMS	Republic of Korea	Abandoned	10-2004-7021398	Jun 28, 2003		
RNB-2-0337.1KR.2	METHOD AND SYSTEM FOR COORDINATIMH SERVICES IN INTEGRATED WLAN-CELLULAR SYSTEMS	Republic of Korea	Abandoned	10-2005-7018525	Jun 28, 2003		
RNB-2-0337.1KR.3	USER EQUIPMENT OPERATING IN INTEGRATED WLAN-CELLULAR SYSTEMS	Republic of Korea	Abandoned	10-2005-0103096	Jun 28, 2003		
RNB-2-0337.1KRUM	USER EQUIPMENT OPERATING IN INTEGRATED WLAN-CELLULAR SYSTEMS	Republic of Korea	Abandoned	20-2003-0020599	Jun 28, 2003	0332331	Oct 28, 2003

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RNB-2-0337.1MX	SYSTEM FOR COORDINATING SERVICES IN INTEGRATED WLAN-CELLULAR SYSTEMS	Mexico	Closed	PA/A/2005/000084	Jun 28, 2003	249419	Sep 25, 2007
RNB-2-0337.1MY	METHOD FOR COORDINATION SERVICES IN INTEGRATED WLAN-CELLULAR SYSTEMS	Malaysia	Abandoned	PI20032420	Jun 27, 2003	MY-135054-A	Jan 31, 2008
RNB-2-0337.1NO	SYSTEM FOR COORDINATING SERVICES IN INTEGRATED WLAN-CELLULAR SYSTEMS	Norway	Abandoned	20050211	Jun 28, 2003		
RNB-2-0337.1TW	METHOD AND SYSTEM FOR COORDINATING SERVICES IN INTEGRATED WLAN-CELLULAR SYSTEMS	Taiwan R.O.C.	Closed	92117186	Jun 24, 2003	258947	Jul 21, 2006
RNB-2-0337.1TW.1	METHOD FOR COORDINATION SERVICES IN INTEGRATED WLAN-CELLULAR SYSTEMS	Taiwan R.O.C.	Abandoned	93105013	Jun 24, 2003		
RNB-2-0337.1TW.2	METHOD AND SYSTEM FOR COORDINATING SERVICES IN INTEGRATED WLAN-CELLULAR SYSTEMS	Taiwan R.O.C.	Abandoned	95123031	Jun 24, 2003		
RNB-2-0337.1TWUM	USER EQUIPMENT OPERATING IN INTEGRATED WLAN-CELLULAR SYSTEMS	Taiwan R.O.C.	Closed	92211870	Jun 27, 2003	222596	Aug 5, 2004
RNB-2-0337.1US	METHOD AND SYSTEM FOR COORDINATING SERVICES IN INTEGRATED WLAN-CELLULAR SYSTEMS	United States of America	Issued	10/600,905	Jun 20, 2003	7251488	Jul 31, 2007
RNB-2-0337.1VE	METHOD FOR COORDINATION SERVICES IN INTEGRATED WLAN-CELLULAR SYSTEMS	Venezuela	Abandoned	1097-03	Jun 30, 2003		
RNB-2-0337.1WO	SYSTEM FOR COORDINATING SERVICES IN INTEGRATED WLAN-CELLULAR SYSTEMS	PCT	Expired	PCT/US03/20035	Jun 28, 2003		
RNB-2-0337US	METHOD FOR COORDINATING SERVICES IN INTEGRATED WLAN-CELLULAR SYSTEMS	United States of America	Expired	60/392,594	Jun 28, 2002		
RNB-2-0358.1CA	ORTHOGONAL VARIABLE SPREADING FACTOR (OVSF) CODE ASSIGNMENT	Canada	Abandoned	2,492,503	Jul 18, 2003		

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RNB-2-0358.1CN	ORTHOGONAL VARIABLE SPREADING FACTOR (OVSF) CODE ASSIGNMENT	China	Closed	03816929.0	Jul 18, 2003	ZL03816929.0	Dec 2, 2009
RNB-2-0358.1EP	ORTHOGONAL VARIABLE SPREADING FACTOR (OVSF) CODE ASSIGNMENT	European Patent Office	Issued	03765793.9	Jul 18, 2003	1527562	Feb 13, 2008
RNB-2-0358.1HK	ORTHOGONAL VARIABLE SPREADING FACTOR (OVSF) CODE ASSIGNMENT	Hong Kong	Abandoned	05109703.4	Jul 18, 2003		
RNB-2-0358.1JP	ORTHOGONAL VARIABLE SPREADING FACTOR (OVSF) CODE ASSIGNMENT	Japan	Closed	2004-523166	Jan 31, 2002	4310272	May 15, 2009
RNB-2-0358.1KR	ORTHOGONAL VARIABLE SPREADING FACTOR (OVSF) CODE ASSIGNMENT	Republic of Korea	Closed	10-2005-7000981	Jul 18, 2003	0701001	Mar 22, 2007
RNB-2-0358.1KR.1	ORTHOGONAL VARIABLE SPREADING FACTOR (OVSF) CODE ASSIGNMENT	Republic of Korea	Closed	10-2005-7016264	Jul 18, 2003		
RNB-2-0358.1MX	ORTHOGONAL VARIABLE SPREADING FACTOR (OVSF) CODE ASSIGNMENT	Mexico	Abandoned	PA/A/2005/000787	Jul 18, 2003	252951	Jan 8, 2008
RNB-2-0358.1MX.1	ORTHOGONAL VARIABLE SPREADING FACTOR (OVSF) CODE ASSIGNMENT	Mexico	Abandoned	MX/A/2007/014247	Jul 18, 2003		
RNB-2-0358.1NO	ORTHOGONAL VARIABLE SPREADING FACTOR (OVSF) CODE ASSIGNMENT	Norway	Abandoned	20050678	Jul 18, 2003		
RNB-2-0358.1TW	ORTHOGONAL VARIABLE SPREADING FACTOR (OVSF) CODE ASSIGNMENT	Taiwan R.O.C.	Closed	92119760	Jul 18, 2003	I246832	Jan 1, 2006
RNB-2-0358.1TW.1	A METHOD FOR REASSIGNING CODES OF AN ORTHOGONAL VARIABLE SPREADING FACTOR CODE TREE IN A CODE DIVISION MULTIPLE ACCESS COMMUNICATION SYSTEM	Taiwan R.O.C.	Closed	93105624	Jul 18, 2003	279101	Apr 11, 2007
RNB-2-0358.1TW.2	METHOD FOR REASSIGNING CODES FOR ORTHOGONAL VARIABLE SPREADING FACTOR (OVSF) CODE	Taiwan R.O.C.	Closed	95126439	Jul 18, 2003	I327836	Jul 21, 2010

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	USED IN CODE DIVISIONAL MULTIPLE ACCESS COMMUNICATIONS						
RNB-2-0358.1TW.3	ORTHOGONAL VARIABLE SPREADING FACTOR (OVSF) CODE ASSIGNMENT	Taiwan R.O.C.	Closed	98102118	Jul 18, 2003	I382705	Jan 11, 2013
RNB-2-0358.1US	ORTHOGONAL VARIABLE SPREADING FACTOR (OVSF) CODE ASSIGNMENT	United States of America	Issued	10/622,681	Jul 18, 2003	7379489	May 27, 2008
RNB-2-0358.1WO	ORTHOGONAL VARIABLE SPREADING FACTOR (OVSF) CODE ASSIGNMENT	PCT	Expired	PCT/US03/22637	Jul 18, 2003		
RNB-2-0358.2US	ORTHOGONAL VARIABLE SPREADING FACTOR (OVSF) CODE ASSIGNMENT	United States of America	Issued	12/124,716	May 21, 2008	7471713	Dec 30, 2008
RNB-2-0358.3US	ORTHOGONAL VARIABLE SPREADING FACTOR (OVSF) CODE ASSIGNMENT	United States of America	Closed	12/345,428	Dec 29, 2008		
RNB-2-0358DE01	ORTHOGONAL VARIABLE SPREADING FACTOR (OVSF) CODE ASSIGNMENT	Germany	Issued	03765793.9	Jul 18, 2003	1527582	Feb 13, 2008
RNB-2-0358ES01	ORTHOGONAL VARIABLE SPREADING FACTOR (OVSF) CODE ASSIGNMENT	Spain	Closed	03765793.9	Jul 18, 2003	1527582	Feb 13, 2008
RNB-2-0358FI01	ORTHOGONAL VARIABLE SPREADING FACTOR (OVSF) CODE ASSIGNMENT	Finland	Closed	03765793.9	Jul 18, 2003	1527582	Feb 13, 2008
RNB-2-0358FR01	ORTHOGONAL VARIABLE SPREADING FACTOR (OVSF) CODE ASSIGNMENT	France	Closed	03765793.9	Jul 18, 2003	1527582	Feb 13, 2008
RNB-2-0358GB01	ORTHOGONAL VARIABLE SPREADING FACTOR (OVSF) CODE ASSIGNMENT	United Kingdom	Closed	03765793.9	Jul 18, 2003	1527582	Feb 13, 2008
RNB-2-0358IT01	ORTHOGONAL VARIABLE SPREADING FACTOR (OVSF) CODE ASSIGNMENT	Italy	Closed	03765793.9	Jul 18, 2003	1527582	Feb 13, 2008

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RNB-2-0358SE01	ORTHOGONAL VARIABLE SPREADING FACTOR (OVSF) CODE ASSIGNMENT	Sweden	Closed	03765793.9	Jul 18, 2003	1527582	Feb 13, 2008
RNB-2-0358TW05	ORTHOGONAL VARIABLE SPREADING FACTOR (OVSF) CODE ASSIGNMENT	Taiwan R.O.C.	Closed	101116413	Jul 18, 2003		
RNB-2-0358US	ORTHOGONAL VARIABLE SPREADING FACTOR (OVSF) CODE TREE PRUNING	United States of America	Expired	60/399,864	Jul 31, 2002		
RNB-2-0376US	CODE MANAGEMENT	United States of America	Expired	60/396,822	Jul 18, 2002		
RNB-2-0378.1AR	POWER CONTROL OF POINT TO MULTIPOINT PHYSICAL CHANNELS WITH ASSOCIATED DEDICATED CHANNELS	Argentina	Closed	P030102779	Aug 1, 2003		
RNB-2-0378.1AR.1	POWER CONTROL OF POINT TO MULTIPOINT PHYSICAL CHANNELS WITH ASSOCIATED DEDICATED CHANNELS	Argentina	Closed	P080100980	Aug 1, 2003	AR065673B2	Jul 21, 2010
RNB-2-0378.1CN	POWER CONTROL OF POINT TO MULTIPOINT PHYSICAL CHANNELS	China	Closed	03818462.1	Aug 1, 2003		
RNB-2-0378.1CNUM	BASE STATION USING OWER CONTROL OF A POINT TO MULTIPOINT PHYSICAL CHANNEL	China	Expired	03204846.7	Aug 1, 2003	ZL03204846.7	Jan 10, 2007
RNB-2-0378.1DEUM	BASE STATION USING OWER CONTROL OF A POINT TO MULTIPOINT PHYSICAL CHANNEL	Germany	Expired	20311911.8	Aug 1, 2003	20311911.8	Dec 4, 2003
RNB-2-0378.1EP	POWER CONTROL OF POINT TO MULTIPOINT PHYSICAL CHANNELS	European Patent Office	Abandoned	03767122.9	Aug 1, 2003		
RNB-2-0378.1EP.1	POWER CONTROL OF POINT TO MULTIPOINT PHYSICAL CHANNELS	European Patent Office	Issued	08101669.3	Aug 1, 2003	1916777	Sep 28, 2011
RNB-2-0378.1HK	POWER CONTROL OF POINT TO MULTIPOINT PHYSICAL CHANNELS	Hong Kong	Closed	05110326.9	Aug 1, 2003		

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RNB-2-0378.1HKST	BASE STATION USING POWER CONTROL OF A POINT TO MULTIPOINT PHYSICAL CHANNEL	Hong Kong	Expired	03105554.4	Aug 1, 2003	HK1062126	Sep 17, 2004
RNB-2-0378.1JP	POWER CONTROL OF POINT TO MULTIPOINT PHYSICAL CHANNELS	Japan	Closed	2004-526372	Aug 1, 2003		
RNB-2-0378.1JP.1	POWER CONTROL OF POINT TO MULTIPOINT PHYSICAL CHANNELS	Japan	Closed	2006-006282	Aug 1, 2003		
RNB-2-0378.1KR	POWER CONTROL OF POINT TO MULTIPOINT PHYSICAL CHANNELS	Republic of Korea	Closed	10-2003-0053514	Aug 1, 2003	1241058	Mar 4, 2013
RNB-2-0378.1KR.1	POWER CONTROL OF POINT TO MULTIPOINT PHYSICAL CHANNELS	Republic of Korea	Closed	10-2003-0074207	Aug 1, 2003		
RNB-2-0378.1KR.2	POWER CONTROL OF POINT TO MULTIPOINT PHYSICAL CHANNELS	Republic of Korea	Closed	10-2005-7001810	Aug 1, 2003		
RNB-2-0378.1KR.3	POWER CONTROL OF POINT TO MULTIPOINT PHYSICAL CHANNELS	Republic of Korea	Abandoned	10-2005-7018677	Aug 1, 2003		
RNB-2-0378.1KRUM	POWER CONTROL OF POINT TO PMUTIPOINT PHYSICAL CHANNELS	Republic of Korea	Expired	20-2003-0026105	Aug 13, 2003	0331918	Oct 22, 2003
RNB-2-0378.1MY	POWER CONTROL OF POINT TO MULTIPOINT PHYSICAL CHANNELS	Malaysia	Closed	PI20032923	Aug 1, 2003	MY140346A	Dec 31, 2009
RNB-2-0378.1MY.1	POWER CONTROL OF POINT TO MULTIPOINT PHYSICAL CHANNELS	Malaysia	Closed	PI20071628	Aug 1, 2003		
RNB-2-0378.1TW	POWER CONTROL OF POINT TO MULTIPOINT PHYSICAL CHANNELS WITH ASSOCIATED DEDICATED CHANNELS	Taiwan R.O.C.	Closed	92121235	Aug 1, 2003	I233274	May 21, 2005
RNB-2-0378.1TW.1	BASE STATION USING POWER CONTROL OF A POINT TO MULTIPOINT PHYSICAL CHANNEL	Taiwan R.O.C	Closed	93105989	Aug 1, 2003	I323988	Apr 21, 2010

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RNB-2-0378.1TW.2	POWER CONTROL OF POINT TO MULTIPOINT PHYSICAL CHANNELS	Taiwan R.O.C.	Closed	95128050	Aug 1, 2003	I350075	Oct 1, 2011
RNB-2-0378.1TWUM	BASE STATION USING POWER CONTROL OF A POINT TO MULTIPOINT PHYSICAL CHANNEL	Taiwan R.O.C.	Expired	92214098	Aug 1, 2003	240755	Aug 11, 2004
RNB-2-0378.1US	POWER CONTROL OF POINT TO MULTIPOINT PHYSICAL CHANNELS	United States of America	Issued	10/632,776	Aug 1, 2003	7400861	Jul 15, 2008
RNB-2-0378.1VE	POWER CONTROL OF POINT TO MULTIPOINT PHYSICAL CHANNELS WITH ASSOCIATED DEDICATED CHANNELS	Venezuela	Closed	1304-03	Aug 1, 2003		
RNB-2-0378.1WO	POWER CONTROL OF POINT TO MULTIPOINT PHYSICAL CHANNELS	PCT	Expired	PCT/US03/24289	Aug 1, 2003		
RNB-2-0378.2US	POWER CONTROL OF POINT TO MULTIPOINT PHYSICAL CHANNELS	United States of America	Closed	12/169,739	Jul 9, 2008	7738895	Jun 15, 2010
RNB-2-0378CN03	POWER CONTROL OF POINT TO MULTIPOINT PHYSICAL CHANNELS	China	Closed	201010235904.4	Aug 1, 2003		
RNB-2-0378CN04	A WIRELESS TRANSMIT/RECEIVE UNIT AND A METHOD	China	Issued	201210001256.5	Aug 1, 2003	ZL201210001256.5	Dec 28, 2016
RNB-2-0378DE01	POWER CONTROL OF POINT TO MULTIPOINT PHYSICAL CHANNELS	Germany	Closed	08101669.3	Aug 1, 2003	1916777	Sep 28, 2011
RNB-2-0378FR01	POWER CONTROL OF POINT TO MULTIPOINT PHYSICAL CHANNELS	France	Closed	08101669.3	Aug 1, 2003	1916777	Sep 28, 2011
RNB-2-0378GB01	POWER CONTROL OF POINT TO MULTIPOINT PHYSICAL CHANNELS	United Kingdom	Closed	08101669.3	Aug 1, 2003	1916777	Sep 28, 2011
RNB-2-0378HK03	POWER CONTROL OF POINT TO MULTIPOINT PHYSICAL CHANNELS	Hong Kong	Abandoned	11105132.5	Aug 1, 2003		

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RNB-2-0378HK04	POWER CONTROL OF POINT TO MULTIPOINT PHYSICAL CHANNELS	Hong Kong	Closed	12113489.7	Nov 17, 2005		
RNB-2-0378KR06	POWER CONTROL OF POINT TO MULTIPOINT PHYSICAL CHANNELS	Republic of Korea	Closed	10-2010-0057253	Aug 1, 2003	1119770	Feb 16, 2012
RNB-2-0378KR07	POWER CONTROL OF POINT TO MULTIPOINT PHYSICAL CHANNELS	Republic of Korea	Closed	10-2011-0041606	Aug 1, 2003	1119765	Feb 16, 2012
RNB-2-0378KR08	POWER CONTROL OF POINT TO MULTIPOINT PHYSICAL CHANNELS	Republic of Korea	Closed	10-2011-0142731	Aug 1, 2003	1307129	Sep 4, 2013
RNB-2-0378KR09	POWER CONTROL OF POINT TO MULTIPOINT PHYSICAL CHANNELS	Republic of Korea	Closed	10-2012-0101128	Aug 1, 2003		
RNB-2-0378KR10	POWER CONTROL OF POINT TO MULTIPOINT PHYSICAL CHANNELS	Republic of Korea	Closed	10-2013-0014998	Aug 1, 2003	1370251	Feb 26, 2014
RNB-2-0378KR11	POWER CONTROL OF POINT TO MULTIPOINT PHYSICAL CHANNELS	Republic of Korea	Closed	10-2013-0105387	Aug 1, 2003	10-1543626	Aug 5, 2015
RNB-2-0378KR12	POWER CONTROL OF POINT TO MULTIPOINT PHYSICAL CHANNELS	Republic of Korea	Issued	10-2014-0067228	Aug 1, 2003	10-1571029	Nov 17, 2015
RNB-2-0378KR13	POWER CONTROL OF POINT TO MULTIPOINT PHYSICAL CHANNELS	Republic of Korea	Closed	2015-0004051	Aug 1, 2003		
RNB-2-0378KR14	POWER CONTROL OF POINT TO MULTIPOINT PHYSICAL CHANNELS	Republic of Korea	Closed	2015-0077959	Aug 1, 2003		
RNB-2-0378MY03	POWER CONTROL OF POINT TO MULTIPOINT PHYSICAL CHANNELS	Malaysia	Abandoned				
RNB-2-0378NL01	POWER CONTROL OF POINT TO MULTIPOINT PHYSICAL CHANNELS	Netherlands	Closed	08101669.3	Aug 1, 2003	1916777	Sep 28, 2011

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RNB-2-0378TW05	POWER CONTROL OF POINT TO MULTIPOINT PHYSICAL CHANNELS	Taiwan R.O.C.	Closed	99112598	Aug 1, 2003		
RNB-2-0378US	POWER CONTROL OF POINT TO MULTIPOINT PHYSICAL CHANNELS WITH ASSOCIATED DEDICATED CHANNELS	United States of America	Expired	60/400,602	Aug 1, 2002		
RNB-2-0378US04	POWER CONTROL OF POINT TO MULTIPOINT PHYSICAL CHANNELS	United States of America	Issued	12/758,330	Apr 12, 2010	8606282	Dec 10, 2013
RNB-2-0378US05	POWER CONTROL OF POINT TO MULTIPOINT PHYSICAL CHANNELS	United States of America	Issued	14/080,250	Nov 14, 2013	9144027	Sep 22, 2015
RNB-2-0378US06	POWER CONTROL OF POINT TO MULTIPOINT PHYSICAL CHANNELS	United States of America	Closed	14/856,119	Sep 16, 2015		
RNB-2-0444.1AR	RELIABILITY DETECTION OF CHANNEL QUALITY INDICATOR (CQI) AND APPLICATION TO OUTER LOOP POWER CONTROL	Argentina	Closed	P030104466	Dec 4, 2003	AR042292B1	Jan 30, 2007
RNB-2-0444.1AU	DETECTION OF CHANNEL QUALITY INDICATOR	Australia	Closed	2003293230	Dec 2, 2003	2003293230	Jun 14, 2007
RNB-2-0444.1AU.1	DETECTION OF CHANNEL QUALITY INDICATOR	Australia	Closed	2007201359	Dec 2, 2003	2007201359	Sep 3, 2009
RNB-2-0444.1BR	DETECTION OF CHANNEL QUALITY INDICATOR	Brazil	Closed	PI0316590-6	Dec 2, 2003		
RNB-2-0444.1CA	DETECTION OF CHANNEL QUALITY INDICATOR	Canada	Closed	2,508,525	Dec 2, 2003	2508525	Nov 16, 2010
RNB-2-0444.1CN	RELIABILITY DETECTION OF CHANNEL INDICATOR (CQI) AND APPLICATION TO OUTER LOOP POWER CONTROL	China	Abandoned	200380104920.8	Dec 2, 2003		
RNB-2-0444.1CN.1	RELIABILITY DETECTION OF CHANNEL INDICATOR (CQI) AND APPLICATION TO OUTER LOOP POWER CONTROL	China	Issued	200910002930.X	Dec 2, 2003	ZL200910002930.X	Sep 9, 2015

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RNB-2-0444.1EP	DETECTION OF CHANNEL QUALITY INDICATOR	European Patent Office	Closed	03790222.8	Dec 2, 2003	1568185	May 11, 2011
RNB-2-0444.1GE	RELIABILITY DETECTION OF CHANNEL QUALITY INDICATOR (CQI) AND APPLICATION TO OUTER LOOP POWER CONTROL	Georgia	Abandoned	AP2003008582	Dec 2, 2003		
RNB-2-0444.1GE.1	RELIABILITY DETECTION OF CHANNEL QUALITY INDICATOR (CQI) AND APPLICATION TO OUTER LOOP POWER CONTROL	Georgia	Closed	AP2003008954	Dec 2, 2003	5058	Jul 26, 2010
RNB-2-0444.1HK	RELIABILITY DETECTION OF CHANNEL INDICATOR (CQI) AND APPLICATION TO OUTER LOOP POWER CONTROL	Hong Kong	Closed	06102687.8	Dec 2, 2003		
RNB-2-0444.1ID	DETECTION OF CHANNEL QUALITY INDICATOR	Indonesia	Closed	W00200501790	Dec 2, 2003	ID0018720	Jan 29, 2007
RNB-2-0444.1IL	DETECTION OF CHANNEL QUALITY INDICATOR	Israel	Closed	168896	Dec 2, 2003	168896	Mar 1, 2011
RNB-2-0444.1IN	DETECTION OF CHANNEL QUALITY INDICATOR	India	Closed	2287/DELNP/2005	Dec 2, 2003	221564	Jun 30, 2008
RNB-2-0444.1IN.1	DETECTION OF CHANNEL QUALITY INDICATOR	India	Closed	1694/DELNP/2008	Dec 2, 2003		
RNB-2-0444.1IN.2	DETECTION OF CHANNEL QUALITY INDICATOR	India	Closed	4373/DELNP/2008	Dec 2, 2003		
RNB-2-0444.1JP	DETECTION OF CHANNEL QUALITY INDICATOR	Japan	Closed	2004-570968	Dec 2, 2003	4726494	Apr 22, 2011
RNB-2-0444.1JP.1	DETECTION OF CHANNEL QUALITY INDICATOR	Japan	Closed	2007-224863	Dec 2, 2003	4964711	Apr 6, 2012
RNB-2-0444.1KR	DETECTION OF CHANNEL QUALITY INDICATOR	Republic of Korea	Closed	10-2005-7010170	Dec 2, 2003	1017040	Feb 16, 2011

RNB-2-0444.1KR.1	DETECTION OF CHANNEL QUALITY INDICATOR	Republic of Korea	Closed	10-2005-7016974	Dec 2, 2003	1038462	May 26, 2011
RNB-2-0444.1KR.2	DETECTION OF CHANNEL QUALITY INDICATOR	Republic of Korea	Closed				
RNB-2-0444.1MX	DETECTION OF CHANNEL QUALITY INDICATOR	Mexico	Closed	PA/A/2005/005932	Dec 2, 2003	252213	Dec 5, 2007
RNB-2-0444.1MX.1	DETECTION OF CHANNEL QUALITY INDICATOR	Mexico	Closed	MX/A/2007/015259	Dec 2, 2003	277233	Jul 14, 2010
RNB-2-0444.1MY	RELIABILITY DETECTION OF CHANNEL QUALITY INDICATOR (CQI) AND APPLICATION TO OUTER LOOP POWER CONTROL	Malaysia	Closed	PI20034624	Dec 3, 2003	MY-135263-A	Mar 31, 2008
RNB-2-0444.1MY.1	RELIABILITY DETECTION OF CHANNEL QUALITY INDICATOR (CQI) AND APPLICATION TO OUTER LOOP POWER CONTROL	Malaysia	Closed	PI20071879	Dec 3, 2003		
RNB-2-0444.1NO	DETECTION OF CHANNEL QUALITY INDICATOR	Norway	Closed	20053094	Dec 2, 2003		
RNB-2-0444.1SG	DETECTION OF CHANNEL QUALITY INDICATOR	Singapore	Closed	200503586-0	Dec 2, 2003	113669	Jul 31, 2007
RNB-2-0444.1SG.1	RELIABILITY DETECTION OF CHANNEL QUALITY INDICATOR (CQI) AND APPLICATION TO OUTER LOOP POWER CONTROL	Singapore	Closed	200703959-7	Dec 2, 2003		
RNB-2-0444.1TW	RELIABILITY DETECTION OF CHANNEL QUALITY INDICATOR (CQI) AND APPLICATION TO OUTER LOOP POWER CONTROL	Taiwan R.O.C.	Closed	92133945	Dec 2, 2003	I262730	Sep 21, 2006
RNB-2-0444.1TW.1	A BASE STATION FOR DETERMINING A CHANNEL QUALITY AND THE METHOD THEREOF, AND WIRELESS TRANSMIT/RECEIVE UNIT	Taiwan R.O.C.	Closed	93120814	Dec 2, 2003	I337018	Feb 1, 2011
RNB-2-0444.1TW.2	RELIABILITY DETECTION OF CHANNEL QUALITY INDICATOR (CQI) AND APPLICATION TO OUTER LOOP POWER CONTROL	Taiwan R.O.C.	Issued	95145060	Dec 2, 2003	I342686	May 21, 2011

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RNB-2-0444.1US	RELIABILITY DETECTION OF CHANNEL QUALITY INDICATOR (CQI) AND APPLICATION TO OUTER LOOP POWER CONTROL	United States of America	Issued	10/726,374	Dec 3, 2003	7536154	May 19, 2009
RNB-2-0444.1VE	RELIABILITY DETECTION OF CHANNEL QUALITY INDICATOR (CQI) AND APPLICATION TO OUTER LOOP POWER CONTROL	Venezuela	Closed	2121-03	Dec 4, 2003		
RNB-2-0444.1WO	DETECTION OF CHANNEL QUALITY INDICATOR	PCT	Expired	PCT/US03/38243	Dec 2, 2003		
RNB-2-0444AU03	RELIABILITY DETECTION OF CHANNEL QUALITY INDICATOR (CQI) AND APPLICATION TO OUTER LOOP POWER CONTROL	Australia	Closed	2009210374	Dec 2, 2003		
RNB-2-0444DE01	DETECTION OF CHANNEL QUALITY INDICATOR	Germany	Closed	03790222.8	Dec 2, 2003	1568185	May 11, 2011
RNB-2-0444DK01	DETECTION OF CHANNEL QUALITY INDICATOR	Denmark	Closed	03790222.8	Dec 2, 2003		
RNB-2-0444EP02	DETECTION OF CHANNEL QUALITY INDICATOR	European Patent Office	Closed	10189766.8	Dec 2, 2003		
RNB-2-0444FR01	DETECTION OF CHANNEL QUALITY INDICATOR	France	Closed	03790222.8	Dec 2, 2003	1568185	May 11, 2011
RNB-2-0444GB01	DETECTION OF CHANNEL QUALITY INDICATOR	United Kingdom	Closed	03790222.8	Dec 2, 2003		
RNB-2-0444HK02	RELIABILITY DETECTION OF CHANNEL INDICATOR (CQI) AND APPLICATION TO OUTER LOOP POWER CONTROL	Hong Kong	Closed	10101536.7	Feb 11, 2010		
RNB-2-0444IL02	METHOD FOR PERFORMING OUTER LOOP POWER CONTROL AND AS BASE STATION AND RADIO NETWORD CONTROLLER CONFIGURED FOR PERFORMING THE OUTER LOOP POWER CONTROL	Israel	Closed	202323	Dec 2, 2003	202323	Feb 1, 2013

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RNB-2-0444IT01	DETECTION OF CHANNEL QUALITY INDICATOR	Italy	Closed	03790222.8	Dec 2, 2003		
RNB-2-0444JP03	DETECTION OF CHANNEL QUALITY INDICATOR	Japan	Closed	2011-133723	Dec 2, 2003	5548847	May 30, 2014
RNB-2-0444JP04	DETECTION OF CHANNEL QUALITY INDICATOR	Japan	Closed	2013-002017	Dec 2, 2003	5997058	Sep 2, 2016
RNB-2-0444JP05	DETECTION OF CHANNEL QUALITY INDICATOR	Japan	Closed	2014-115191	Dec 2, 2003	5820019	Oct 9, 2015
RNB-2-0444JP06	DETECTION OF CHANNEL QUALITY INDICATOR	Japan	Issued	2015-128486	Dec 2, 2003	6640477	Jan 7, 2020
RNB-2-0444JP07	DETECTION OF CHANNEL QUALITY INDICATOR	Japan	Closed	2015-129489	Dec 2, 2003		
RNB-2-0444JP08	DETECTION OF CHANNEL QUALITY INDICATOR	Japan	Closed	2017-177461	Dec 2, 2003		
RNB-2-0444NL01	DETECTION OF CHANNEL QUALITY INDICATOR	Netherlands	Closed	03790222.8	Dec 2, 2003		
RNB-2-0444SG03	RELIABILITY DETECTION OF CHANNEL QUALITY INDICATOR (CQI) AND APPLICATION TO OUTER LOOP POWER CONTROL	Singapore	Closed	201108695-2	Mar 20, 2014		
RNB-2-0444US	RELIABILITY DETECTION OF CHANNEL QUALITY INDICATOR (CQI) AND APPLICATION TO OUTER LOOP POWER CONTROL	United States of America	Expired	60/430,854	Dec 4, 2002		
RNB-2-0444US03	RELIABILITY DETECTION OF CHANNEL QUALITY INDICATOR (CQI) AND APPLICATION TO OUTER LOOP POWER CONTROL	United States of America	Issued	12/464,312	May 12, 2009	8010053	Aug 30, 2011
RNB-2-0444US04	RELIABILITY DETECTION OF CHANNEL QUALITY INDICATOR (CQI) AND APPLICATION TO OUTER LOOP POWER CONTROL	United States of America	Issued	13/214,490	Aug 22, 2011	8204450	Jun 19, 2012

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RNB-2-0444US05	RELIABILITY DETECTION OF CHANNEL QUALITY INDICATOR (CQI) AND APPLICATION TO OUTER LOOP POWER CONTROL	United States of America	Issued	13/524,348	Jun 15, 2012	8428522	Apr 23, 2013
RNB-2-0444US06	RELIABILITY DETECTION OF CHANNEL QUALITY INDICATOR (CQI) AND APPLICATION TO OUTER LOOP POWER CONTROL	United States of America	Issued	13/862,735	Apr 15, 2013	9414314	Aug 9, 2016
RNB-2-0444US07	RELIABILITY DETECTION OF CHANNEL QUALITY INDICATOR (CQI) AND APPLICATION TO OUTER LOOP POWER CONTROL	United States of America	Issued	15/230,919	Aug 8, 2016	9807690	Oct 31, 2017
RNB-2-0444US08	RELIABILITY DETECTION OF CHANNEL QUALITY INDICATOR (CQI) AND APPLICATION TO OUTER LOOP POWER CONTROL	United States of America	Issued	15/797,439	Oct 30, 2017	10349351	Jul 9, 2019
RNB-2-0449.1US	METHOD FOR DETECTING AND ADDRESSING PERFORMANCE-DEGRADATION IN PUNCTURED TURBO CODES	United States of America	Expired	60/494,404	Aug 11, 2003		
RNB-2-0449US	METHOD FOR DETECTING AND ADDRESSING PERFORMANCE-DEGRADATION IN PUNCTURED TURBO CODES	United States of America	Expired	60/434,232	Dec 16, 2002		
RNB-2-0452US	METHOD FOR IUB SIGNALING FOR OUTER-LOOP POWER CONTROL SETTING ON UL (UPLINK) CHANNELS WITH DL (DOWNLINK) CHANNEL-QUALITY REPORTING	United States of America	Expired	60/438,560	Jan 6, 2003		
RNB-2-0461US	METHOD AND SYSTEM FOR DETECTING, AVOIDING, AND/OR CORRECTING PERFORMANCE DEGRADATION IN PUNCTURED TURBO CODES	United States of America	Expired	60/444,068	Jan 30, 2003		
RNB-2-0526.1AR	DETECTION, AVOIDANCE AND/OR CORRECTION OF PROBLEMATIC PUNCTURING PATTERNS IN PARITY BIT STREAMS USED WHEN IMPLEMENTING TURBO CODES	Argentina	Closed	P030104640	Dec 16, 2003	AR042477B1	Nov 6, 2007
RNB-2-0526.1AR.1	DETECTION, AVOIDANCE AND/OR CORRECTION OF PROBLEMATIC PUNCTURING PATTERNS IN PARITY BIT STREAMS USED	Argentina	Closed	P070104720	Dec 16, 2003	AR063386B2	Mar 25, 2009

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	WHEN IMPLEMENTING TURBO CODES						
RNB-2-0526.1AU	DETECTION, AVOIDANCE AND/OR CORRECTION OF PROBLEMATIC PUNCTURING PATTERNS IN PARITY BIT STREAMS USED WHEN IMPLEMENTING TURBO CODES	Australia	Closed	2003296791	Dec 3, 2003	2003296791	Mar 16, 2007
RNB-2-0526.1AU.1	DETECTION, AVOIDANCE AND/OR CORRECTION OF PROBLEMATIC PUNCTURING PATTERNS IN PARITY BIT STREAMS USED WHEN IMPLEMENTING TURBO CODES	Australia	Closed	2007200808	Dec 3, 2003	2007200808	May 14, 2009
RNB-2-0526.1AU.2	DETECTION, AVOIDANCE AND/OR CORRECTION OF PROBLEMATIC PUNCTURING PATTERNS IN PARITY BIT STREAMS USED WHEN IMPLEMENTING TURBO CODES	Australia	Closed	2008258196	Dec 3, 2003	2008258196	Nov 26, 2009
RNB-2-0526.1BR	DETECTION, AVOIDANCE AND/OR CORRECTION OF PROBLEMATIC PUNCTURING PATTERNS IN PARITY BIT STREAMS USED WHEN IMPLEMENTING TURBO CODES	Brazil	Abandoned	PI0316783-6	Dec 3, 2003		
RNB-2-0526.1CA	DETECTION, AVOIDANCE AND/OR CORRECTION OF PROBLEMATIC PUNCTURING PATTERNS IN PARITY BIT STREAMS USED WHEN IMPLEMENTING TURBO CODES	Canada	Abandoned	2,509,966	Dec 3, 2003		
RNB-2-0526.1CA.1	DETECTION, AVOIDANCE AND/OR CORRECTION OF PROBLEMATIC PUNCTURING PATTERNS IN PARITY BIT STREAMS USED WHEN IMPLEMENTING TURBO CODES	Canada	Abandoned	2,627,995	Dec 3, 2003		
RNB-2-0526.1CN	DETECTION, AVOIDANCE AND/OR CORRECTION OF PROBLEMATIC PUNCTURING PATTERNS IN PARITY BIT STREAMS USED WHEN IMPLEMENTING TURBO CODES	China	Issued	200380106125.2	Dec 3, 2003	ZL200380106125.2	Jul 29, 2009

RNB-2-0526.1CN 1	DETECTION, AVOIDANCE AND/OR CORRECTION OF PROBLEMATIC PUNCTURING PATTERNS IN PARITY BIT STREAMS USED WHEN IMPLEMENTING TURBO CODES	China	Issued	200910009866.8	Dec 3, 2003	ZL 200910009866.8	Apr 16, 2014
RNB-2-0526.1EP	DETECTION, AVOIDANCE AND/OR CORRECTION OF PROBLEMATIC PUNCTURING PATTERNS IN PARITY BIT STREAMS USED WHEN IMPLEMENTING TURBO CODES	European Patent Office	Abandoned	03796549.8	Dec 3, 2003		
RNB-2-0526.1GE	DETECTION, AVOIDANCE AND/OR CORRECTION OF PROBLEMATIC PUNCTURING PATTERNS IN PARITY BIT STREAMS USED WHEN IMPLEMENTING TURBO CODES	Georgia	Abandoned	AP2003008897	Dec 3, 2003		
RNB-2-0526.1HK	TURBO-CODING AND PUNCTURING INTERACTIONS ON HIGH-SPREED DOWNLINK SHARED CHANNEL (HS-DSCH)	Hong Kong	Closed	06103200.4	Mar 13, 2006	1085852	Nov 13, 2009
RNB-2-0526.1ID	DETECTION, AVOIDANCE AND/OR CORRECTION OF PROBLEMATIC PUNCTURING PATTERNS IN PARITY BIT STREAMS USED WHEN IMPLEMENTING TURBO CODES	Indonesia	Abandoned	W00200501876	Dec 3, 2003		
RNB-2-0526.1ID.1	DETECTION, AVOIDANCE AND/OR CORRECTION OF PROBLEMATIC PUNCTURING PATTERNS IN PARITY BIT STREAMS USED WHEN IMPLEMENTING TURBO CODES	Indonesia	Abandoned	W00200702222	Dec 3, 2003		
RNB-2-0526.1IL	DETECTION, AVOIDANCE AND/OR CORRECTION OF PROBLEMATIC PUNCTURING PATTERNS IN PARITY BIT STREAMS USED WHEN IMPLEMENTING TURBO CODES	Israel	Abandoned	169170	Dec 3, 2003		
RNB-2-0526.1IN	DETECTION, AVOIDANCE AND/OR CORRECTION OF PROBLEMATIC PUNCTURING PATTERNS IN PARITY BIT STREAMS USED WHEN IMPLEMENTING TURBO CODES	India	Abandoned	2538/DELNP/2005	Dec 3, 2003		

RNB-2-0526.1JP	DETECTION, AVOIDANCE AND/OR CORRECTION OF PROBLEMATIC PUNCTURING PATTERNS IN PARITY BIT STREAMS USED WHEN IMPLEMENTING TURBO CODES	Japan	Closed	2005-508547	Dec 3, 2003		
RNB-2-0526.1KR	DETECTION, AVOIDANCE AND/OR CORRECTION OF PROBLEMATIC PUNCTURING PATTERNS IN PARITY BIT STREAMS USED WHEN IMPLEMENTING TURBO CODES	Republic of Korea	Issued	10-2005-7011039	Dec 3, 2003	10-1409948	Jun 13, 2014
RNB-2-0526.1KR.1	DETECTION, AVOIDANCE AND/OR CORRECTION OF PROBLEMATIC PUNCTURING PATTERNS IN PARITY BIT STREAMS USED WHEN IMPLEMENTING TURBO CODES	Republic of Korea	Closed	2005-7018461	Sep 29, 2005	10-1296020	Aug 6, 2013
RNB-2-0526.1MX	DETECTION, AVOIDANCE AND/OR CORRECTION OF PROBLEMATIC PUNCTURING PATTERNS IN PARITY BIT STREAMS USED WHEN IMPLEMENTING TURBO CODES	Mexico	Closed	PA/A/2005/006462	Dec 3, 2003	263441	Jan 7, 2009
RNB-2-0526.1MX.1	DETECTION, AVOIDANCE AND/OR CORRECTION OF PROBLEMATIC PUNCTURING PATTERNS IN PARITY BIT STREAMS USED WHEN IMPLEMENTING TURBO CODES	Mexico	Abandoned	MX/a/2008/016136	Dec 3, 2003		
RNB-2-0526.1MY	DETECTION, AVOIDANCE AND/OR CORRECTION OF PROBLEMATIC PUNCTURING PATTERS IN PARITY BIT STREAMS USED WHEN IMPLEMENTING TURBO CODES	Malaysia	Closed	PI20034796	Dec 15, 2003	MY140376A	Dec 31, 2009
RNB-2-0526.1MY.1	DETECTION, AVOIDANCE AND/OR CORRECTION OF PROBLEMATIC PUNCTURING PATTERS IN PARITY BIT STREAMS USED WHEN IMPLEMENTING TURBO CODES	Malaysia	Abandoned	PI20071906	Dec 15, 2003		
RNB-2-0526.1NO	DETECTION, AVOIDANCE AND/OR CORRECTION OF PROBLEMATIC PUNCTURING PATTERNS IN PARITY	Norway	Abandoned	20053329	Dec 3, 2003		

	BIT STREAMS USED WHEN IMPLEMENTING TURBO CODES						
RNB-2-0526.1SG	DETECTION, AVOIDANCE AND/OR CORRECTION OF PROBLEMATIC PUNCTURING PATTERNS IN PARITY BIT STREAMS USED WHEN IMPLEMENTING TURBO CODES	Singapore	Closed	200503789.0	Dec 3, 2003	112676	Jul 31, 2007
RNB-2-0526.1SG.1	DETECTION, AVOIDANCE AND/OR CORRECTION OF PROBLEMATIC PUNCTURING PATTERNS IN PARITY BIT STREAMS USED WHEN IMPLEMENTING TURBO CODES	Singapore	Closed	200704431.6	Dec 3, 2003	154338	Nov 30, 2009
RNB-2-0526.1SG.2	DETECTION, AVOIDANCE AND/OR CORRECTION OF PROBLEMATIC PUNCTURING PATTERNS IN PARITY BIT STREAMS USED WHEN IMPLEMENTING TURBO CODES	Singapore	Abandoned	2009014622	Dec 3, 2003		
RNB-2-0526.1TW	DETECTION, AVOIDANCE AND/OR CORRECTION OF PROBLEMATIC PUNCTURING PATTERNS IN PARITY BIT STREAMS USED WHEN IMPLEMENTING TURBO CODES	Taiwan R.O.C.	Closed	092134624	Dec 8, 2003	I287915	Oct 1, 2007
RNB-2-0526.1TW.1	DETECTION, AVOIDANCE AND/OR CORRECTION OF PROBLEMATIC PUNCTURING PATTERNS IN PARITY BIT STREAMS USED WHEN IMPLEMENTING TURBO CODES	Taiwan R.O.C.	Closed	093120815	Dec 8, 2003	I367644	Jul 1, 2012
RNB-2-0526.1TW.2	WIRELESS COMMUNICATION SYSTEM FOR PROCESSING INDIVIDUAL PARITY BIT STEAMS DERIVED THROUGH PUNCTURING BITS AND METHOD THEREOF	Taiwan R.O.C.	Closed	095146533	Dec 8, 2003	I337011	Feb 1, 2011
RNB-2-0526.1TW.3	DETECTION, AVOIDANCE AND/OR CORRECTION OF PROBLEMATIC PUNCTURING PATTERNS IN PARITY BIT STREAMS USED WHEN IMPLEMENTING TURBO CODES	Taiwan R.O.C.	Closed	098101733	Dec 8, 2003	I387215	Feb 21, 2013

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RNB-2-0526.1US	DETECTION, AVOIDANCE AND/OR CORRECTION OF PROBLEMATIC PUNCTURING PATTERNS IN PARITY BIT STREAMS USED WHEN IMPLEMENTING TURBO CODES	United States of America	Issued	10/725,779	Dec 2, 2003	7293217	Nov 6, 2007
RNB-2-0526.1VE	DETECTION, AVOIDANCE AND/OR CORRECTION OF PROBLEMATIC PUNCTURING PATTERS IN PARITY BIT STREAMS USED WHEN IMPLEMENTING TURBO CODES	Venezuela	Abandoned	2201-03	Dec 16, 2003		
RNB-2-0526.1WO	DETECTION, AVOIDANCE AND/OR CORRECTION OF PROBLEMATIC PUNCTURING PATTERNS IN PARITY BIT STREAMS USED WHEN IMPLEMENTING TURBO CODES	PCT	Expired	PCT/US03/38223	Dec 3, 2003		
RNB-2-0526.2US	DETECTION, AVOIDANCE AND/OR CORRECTION OF PROBLEMATIC PUNCTURING PATTERNS IN PARITY BIT STREAMS USED WHEN IMPLEMENTING TURBO CODES	United States of America	Issued	11/974,381	Oct 12, 2007	8074143	Dec 6, 2011
RNB-2-0526AU04	DETECTION, AVOIDANCE AND/OR CORRECTION OF PROBLEMATIC PUNCTURING PATTERNS IN PARITY BIT STREAMS USED WHEN IMPLEMENTING TURBO CODES	Australia	Abandoned	2009202467	Dec 17, 2008		
RNB-2-0526EP02	DETECTION, AVOIDANCE AND/OR CORRECTION OF PROBLEMATIC PUNCTURING PATTERNS IN PARITY BIT STREAMS USED WHEN IMPLEMENTING TURBO CODES	European Patent Office	Abandoned	10166532.1	Dec 3, 2003		
RNB-2-0526EP03	DETECTION, AVOIDANCE AND/OR CORRECTION OF PROBLEMATIC PUNCTURING PATTERNS IN PARITY BIT STREAMS USED WHEN IMPLEMENTING TURBO CODES	European Patent Office	Pending	21166803.3	Dec 3, 2003		
RNB-2-0526HK02	DETECTION, AVOIDANCE AND/OR CORRECTION OF PROBLEMATIC PUNCTURING PATTERNS IN PARITY	Hong Kong	Abandoned	10100467.2	Dec 3, 2003		

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	BIT STREAMS USED WHEN IMPLEMENTING TURBO CODES						
RNB-2-0526JP02	DETECTION, AVOIDANCE AND/OR CORRECTION OF PROBLEMATIC PUNCTURING PATTERNS IN PARITY BIT STREAMS USED WHEN IMPLEMENTING TURBO CODES	Japan	Closed	2009-171342	Dec 3, 2003	4819149	Sep 9, 2011
RNB-2-0526JP03	DETECTION, AVOIDANCE AND/OR CORRECTION OF PROBLEMATIC PUNCTURING PATTERNS IN PARITY BIT STREAMS USED WHEN IMPLEMENTING TURBO CODES	Japan	Closed	2010-121336	Dec 3, 2003		
RNB-2-0526JP04	DETECTION, AVOIDANCE AND/OR CORRECTION OF PROBLEMATIC PUNCTURING PATTERNS IN PARITY BIT STREAMS USED WHEN IMPLEMENTING TURBO CODES	Japan	Closed	2013-223339	Dec 3, 2003		
RNB-2-0526JP05	DETECTION, AVOIDANCE AND/OR CORRECTION OF PROBLEMATIC PUNCTURING PATTERNS IN PARITY BIT STREAMS USED WHEN IMPLEMENTING TURBO CODES	Japan	Closed	2016-105608	Dec 3, 2003		
RNB-2-0526JP06	DETECTION, AVOIDANCE AND/OR CORRECTION OF PROBLEMATIC PUNCTURING PATTERNS IN PARITY BIT STREAMS USED WHEN IMPLEMENTING TURBO CODES	Japan	Closed	2017-175808	Dec 3, 2003		
RNB-2-0526TW05	DETECTION, AVOIDANCE AND/OR CORRECTION OF PROBLEMATIC PUNCTURING PATTERNS IN PARITY BIT STREAMS USED WHEN IMPLEMENTING TURBO CODES	Taiwan R.O.C.	Issued	101130331	Dec 8, 2003	I 527384	Mar 21, 2016
RNB-2-0526US	TURBO-CODING AND PUNCTURING INTERACTIONS ON HIGH-SPREED DOWNLINK SHARED CHANNEL (HS-DSCH)	United States of America	Expired	60/470,921	May 15, 2003		

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RNB-2-0526US04	DETECTION, AVOIDANCE AND/OR CORRECTION OF PROBLEMATIC PUNCTURING PATTERNS IN PARITY BIT STREAMS USED WHEN IMPLEMENTING TURBO CODES	United States of America	Issued	13/309,962	Dec 2, 2011	8359520	Jan 22, 2013
RNB-2-0526US05	DETECTION, AVOIDANCE AND/OR CORRECTION OF PROBLEMATIC PUNCTURING PATTERNS IN PARITY BIT STREAMS USED WHEN IMPLEMENTING TURBO CODES	United States of America	Issued	13/744,984	Jan 18, 2013	8788920	Jul 22, 2014
RNB-2-0526US06	DETECTION, AVOIDANCE AND/OR CORRECTION OF PROBLEMATIC PUNCTURING PATTERNS IN PARITY BIT STREAMS USED WHEN IMPLEMENTING TURBO CODES	United States of America	Issued	14/300,734	Jun 10, 2014	9065486	Jun 23, 2015
RNB-2-0526US06RE	DETECTION, AVOIDANCE AND/OR CORRECTION OF PROBLEMATIC PUNCTURING PATTERNS IN PARITY BIT STREAMS USED WHEN IMPLEMENTING TURBO CODES	United States of America	Pending	15/623,258	Jun 14, 2017		
RNB-2-0594.1AR	METHOD AND SYSTEM FOR TRANSFERRING WIRELESS TRANSMIT/RECEIVE UNIT-SPECIFIC INFORMATION	Argentina	Closed	P040104167	Nov 12, 2004	AR046375B1	Mar 27, 2008
RNB-2-0594.1AU	METHOD AND SYSTEM FOR TRANSFERRING WIRELESS TRANSMIT/RECEIVE UNIT-SPECIFIC INFORMATION	Australia	Closed	2004211071	Nov 9, 2004	2004311071	Sep 8, 2008
RNB-2-0594.1AU.1	METHOD AND SYSTEM FOR TRANSFERRING WIRELESS TRANSMIT/RECEIVE UNIT-SPECIFIC INFORMATION	Australia	Closed	2008205439	Nov 9, 2004	2008205439	Jun 18, 2010
RNB-2-0594.1BR	METHOD AND SYSTEM FOR TRANSFERRING WIRELESS TRANSMIT/RECEIVE UNIT-SPECIFIC INFORMATION	Brazil	Closed	PI0416301-0	Nov 9, 2004		
RNB-2-0594.1CA	METHOD AND SYSTEM FOR TRANSFERRING WIRELESS TRANSMIT/RECEIVE UNIT-SPECIFIC INFORMATION	Canada	Closed	2,545,528	Nov 9, 2004	2545528	Sep 21, 2010

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RNB-2-0594.1CN	METHOD AND RADIO NETWORK CONTROLLER FOR TRANSFERRING WIRELESS TRANSMIT/RECEIVE UNIT-SPECIFIC INFORMATION	China	Issued	200480033158.3	Nov 9, 2004	ZL200480033158.3	Jul 14, 2010
RNB-2-0594.1CNUM	WIRELESS MULTI-CELL COMMUNICATION SYSTEM FOR TRANSFERRING WIRELESS TRANSMIT/RECEIVE UNIT-SPECIFIC INFORMATION	China	Expired	200420057321.7	Nov 12, 2004	ZL200420057321.7	Jan 24, 2007
RNB-2-0594.1DEUM	WIRELESS MULTI-CELL COMMUNICATION SYSTEM FOR TRANSFERRING WIRELESS TRANSMIT/RECEIVE UNIT-SPECIFIC INFORMATION	Germany	Expired	202004017594.0	Nov 12, 2004	20200401759 4.0	Jan 12, 2006
RNB-2-0594.1EP	METHOD AND SYSTEM FOR TRANSFERRING WIRELESS TRANSMIT/RECEIVE UNIT-SPECIFIC INFORMATION	European Patent Office	Issued	04800968.2	Nov 9, 2004	1687903	May 14, 2014
RNB-2-0594.1GE	METHOD AND SYSTEM FOR TRANSFERRING WIRELESS TRANSMIT/RECEIVE UNIT-SPECIFIC INFORMATION	Georgia	Closed	AP2004009450	Nov 9, 2004		
RNB-2-0594.1HK	METHOD AND SYSTEM FOR TRANSFERRING WIRELESS TRANSMIT/RECEIVE UNIT-SPECIFIC INFORMATION	Hong Kong	Issued	07108490.1	Aug 6, 2007	1100380	May 6, 2011
RNB-2-0594.1ID	METHOD AND SYSTEM FOR TRANSFERRING WIRELESS TRANSMIT/RECEIVE UNIT-SPECIFIC INFORMATION	Indonesia	Closed	W00200601266	Nov 9, 2004	IDP0029792	Dec 27, 2011
RNB-2-0594.1IL	METHOD AND SYSTEM FOR TRANSFERRING WIRELESS TRANSMIT/RECEIVE UNIT-SPECIFIC INFORMATION	Israel	Closed	175500	Nov 9, 2004	175500	Dec 1, 2012
RNB-2-0594.1IN	METHOD AND SYSTEM FOR TRANSFERRING WIRELESS TRANSMIT/RECEIVE UNIT-SPECIFIC INFORMATION	India	Closed	3352/DELNP/2006	Nov 9, 2004	249161	Oct 5, 2011
RNB-2-0594.1JP	METHOD AND SYSTEM FOR TRANSFERRING WIRELESS TRANSMIT/RECEIVE UNIT-SPECIFIC INFORMATION	Japan	Closed	2006-539812	Nov 9, 2004	4834555	Sep 30, 2011

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RNB-2-0594.1JP.1	METHOD AND SYSTEM FOR TRANSFERRING WIRELESS TRANSMIT/RECEIVE UNIT-SPECIFIC INFORMATION	Japan	Issued	2007-239950	Nov 9, 2004	4834632	Sep 30, 2011
RNB-2-0594.1KR	METHOD AND SYSTEM FOR TRANSFERRING WIRELESS TRANSMIT/RECEIVE UNIT-SPECIFIC INFORMATION	Republic of Korea	Closed	10-2004-0092224	Nov 12, 2004	0684570	Feb 13, 2007
RNB-2-0594.1KR.1	METHOD FOR EFFICIENT SCHEDULING OF THE UL AND DL TRANSMISSIONS AND WIRELESS COMMUNICATION SYSTEM	Republic of Korea	Closed	10-2005-0080147	Nov 12, 2004	10-0979455	Aug 26, 2010
RNB-2-0594.1KR.2	METHOD AND SYSTEM FOR TRANSFERRING WIRELESS TRANSMIT/RECEIVE UNIT-SPECIFIC INFORMATION	Republic of Korea	Closed	10-2006-7010585	Nov 9, 2004	1122342	Feb 23, 2012
RNB-2-0594.1KRUM	WIRELESS MULTI-CELL COMMUNICATION SYSTEM FOR TRANSFERRING WIRELESS TRANSMIT/RECEIVE UNIT-SPECIFIC INFORMATION	Republic of Korea	Abandoned	20-2005-0000053	Jan 3, 2005	0380755	Mar 28, 2005
RNB-2-0594.1MX	METHOD AND SYSTEM FOR TRANSFERRING WIRELESS TRANSMIT/RECEIVE UNIT-SPECIFIC INFORMATION	Mexico	Closed	PA/A/2006/005240	Nov 9, 2004	264845	Mar 3, 2009
RNB-2-0594.1MY	METHOD AND SYSTEM FOR TRANSFERRING WIRELESS TRANSMIT/RECEIVE UNIT-SPECIFIC INFORMATION	Malaysia	Closed	PI20044700	Nov 10, 2004	MY-138132-A	Apr 30, 2009
RNB-2-0594.1MY.1	METHOD AND SYSTEM FOR TRANSFERRING WIRELESS TRANSMIT/RECEIVE UNIT-SPECIFIC INFORMATION	Malaysia	Closed	PI20082479	Nov 10, 2004	MY-143093-A	Mar 15, 2011
RNB-2-0594.1NO	METHOD AND SYSTEM FOR TRANSFERRING WIRELESS TRANSMIT/RECEIVE UNIT-SPECIFIC INFORMATION	Norway	Closed	20062502	Nov 9, 2004	336675	Oct 19, 2015
RNB-2-0594.1SG	METHOD AND SYSTEM FOR TRANSFERRING WIRELESS TRANSMIT/RECEIVE UNIT-SPECIFIC INFORMATION	Singapore	Closed	200603167-8	Nov 9, 2004	122351	Jan 30, 2009
RNB-2-0594.1SG.1	METHOD AND SYSTEM FOR TRANSFERRING WIRELESS TRANSMIT/RECEIVE UNIT-SPECIFIC INFORMATION	Singapore	Closed	200808410-5	Nov 9, 2004	146173	Jun 15, 2012

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RNB-2-0594.1TW	METHOD AND SYSTEM FOR TRANSFERRING WIRELESS TRANSMIT/RECEIVE UNIT-SPECIFIC INFORMATION	Taiwan R.O.C.	Closed	93134379	Nov 10, 2004	I286037	Aug 21, 2007
RNB-2-0594.1TW.1	METHOD AND SYSTEM FOR TRANSFERRING WIRELESS TRANSMIT/RECEIVE UNIT-SPECIFIC INFORMATION	Taiwan R.O.C.	Closed	94119902	Nov 10, 2004	I368451	Jul 11, 2012
RNB-2-0594.1TW.2	METHOD AND SYSTEM FOR TRANSFERRING WIRELESS TRANSMIT/RECEIVE UNIT-SPECIFIC INFORMATION	Taiwan R.O.C.	Issued	96142750	Nov 10, 2004	I364229	May 11, 2012
RNB-2-0594.1TWUM	WIRELESS MULTI-CELL COMMUNICATION SYSTEM FOR TRANSFERRING WIRELESS TRANSMIT/RECEIVE UNIT-SPECIFIC INFORMATION	Taiwan R.O.C.	Expired	93218054	Nov 11, 2004	M270573	Jul 11, 2005
RNB-2-0594.1US	METHOD AND SYSTEM FOR TRANSFERRING WIRELESS TRANSMIT/RECEIVE UNIT-SPECIFIC INFORMATION	United States of America	Issued	10/980,723	Nov 3, 2004	7599339	Oct 6, 2009
RNB-2-0594.1VE	METHOD AND SYSTEM FOR TRANSFERRING WIRELESS TRANSMIT/RECEIVE UNIT-SPECIFIC INFORMATION	Venezuela	Closed	1943-04	Nov 12, 2004		
RNB-2-0594.1WO	METHOD AND SYSTEM FOR TRANSFERRING WIRELESS TRANSMIT/RECEIVE UNIT-SPECIFIC INFORMATION	PCT	Expired	PCT/US04/37524	Nov 9, 2004		
RNB-2-0594AU03	METHOD AND SYSTEM FOR TRANSFERRING WIRELESS TRANSMIT/RECEIVE UNIT-SPECIFIC INFORMATION	Australia	Closed	2010202323	Nov 9, 2004		
RNB-2-0594CA02	METHOD AND SYSTEM FOR TRANSFERRING WIRELESS TRANSMIT/RECEIVE UNIT-SPECIFIC INFORMATION	Canada	Issued	2,712,077	Nov 9, 2004	2712077	Apr 28, 2015
RNB-2-0594CA03	METHOD AND SYSTEM FOR TRANSFERRING WIRELESS TRANSMIT/RECEIVE UNIT-SPECIFIC INFORMATION	Canada	Allowed	2,881,387	Nov 9, 2004		
RNB-2-0594DE01	METHOD AND SYSTEM FOR TRANSFERRING WIRELESS TRANSMIT/RECEIVE UNIT-SPECIFIC INFORMATION	Germany	Issued	04800968.2	Nov 9, 2004		May 14, 2014

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RNB-2-0594DE02	METHOD AND SYSTEM FOR TRANSFERRING WIRELESS TRANSMIT/RECEIVE UNIT-SPECIFIC INFORMATION	Germany	Issued	14168173.4	Nov 9, 2004	2800440	Sep 20, 2017
RNB-2-0594DE03	METHOD AND SYSTEM FOR TRANSFERRING WIRELESS TRANSMIT/RECEIVE UNIT-SPECIFIC INFORMATION	Germany	Issued	17191924.4	Nov 9, 2004	3297383	Feb 17, 2021
RNB-2-0594DK01	METHOD AND SYSTEM FOR TRANSFERRING WIRELESS TRANSMIT/RECEIVE UNIT-SPECIFIC INFORMATION	Denmark	Closed	04800968.2	Nov 9, 2004		May 14, 2014
RNB-2-0594EP02	METHOD AND SYSTEM FOR TRANSFERRING WIRELESS TRANSMIT/RECEIVE UNIT-SPECIFIC INFORMATION	European Patent Office	Issued	14168173.4	Nov 9, 2004	2800440	Sep 20, 2017
RNB-2-0594EP03	METHOD AND SYSTEM FOR TRANSFERRING WIRELESS TRANSMIT/RECEIVE UNIT-SPECIFIC INFORMATION	European Patent Office	Issued	17191924.4	Nov 9, 2004	3297383	Feb 17, 2021
RNB-2-0594EP04	METHOD AND SYSTEM FOR TRANSFERRING WIRELESS TRANSMIT/RECEIVE UNIT-SPECIFIC INFORMATION	European Patent Office	Pending	21157099.9	Nov 9, 2004		
RNB-2-0594FI01	METHOD AND SYSTEM FOR TRANSFERRING WIRELESS TRANSMIT/RECEIVE UNIT-SPECIFIC INFORMATION	Finland	Closed	04800968.2	Nov 9, 2004	1687903	May 14, 2014
RNB-2-0594FR01	METHOD AND SYSTEM FOR TRANSFERRING WIRELESS TRANSMIT/RECEIVE UNIT-SPECIFIC INFORMATION	France	Issued	04800968.2	Nov 9, 2004		May 14, 2014
RNB-2-0594FR02	METHOD AND SYSTEM FOR TRANSFERRING WIRELESS TRANSMIT/RECEIVE UNIT-SPECIFIC INFORMATION	France	Issued	14168173.4	Nov 9, 2004	2800440	Sep 20, 2017
RNB-2-0594FR03	METHOD AND SYSTEM FOR TRANSFERRING WIRELESS TRANSMIT/RECEIVE UNIT-SPECIFIC INFORMATION	France	Issued	17191924.4	Nov 9, 2004	3297383	Feb 17, 2021
RNB-2-0594GB01	METHOD AND SYSTEM FOR TRANSFERRING WIRELESS TRANSMIT/RECEIVE UNIT-SPECIFIC INFORMATION	United Kingdom	Issued	04800968.2	Nov 9, 2004		May 14, 2014

RNB-2-0594GB02	METHOD AND SYSTEM FOR TRANSFERRING WIRELESS TRANSMIT/RECEIVE UNIT-SPECIFIC INFORMATION	United Kingdom	Issued	14168173.4	Nov 9, 2004	2800440	Sep 20, 2017
RNB-2-0594GB03	METHOD AND SYSTEM FOR TRANSFERRING WIRELESS TRANSMIT/RECEIVE UNIT-SPECIFIC INFORMATION	United Kingdom	Issued	17191924.4	Nov 9, 2004	3297383	Feb 17, 2021
RNB-2-0594IE01	METHOD AND SYSTEM FOR TRANSFERRING WIRELESS TRANSMIT/RECEIVE UNIT-SPECIFIC INFORMATION	Ireland	Closed	04800968.2	Nov 9, 2004	1667903	May 14, 2014
RNB-2-0594IT01	METHOD AND SYSTEM FOR TRANSFERRING WIRELESS TRANSMIT/RECEIVE UNIT-SPECIFIC INFORMATION	Italy	Closed	04800968.2	Nov 9, 2004		May 14, 2014
RNB-2-0594JP03	A METHOD FOR ENHANCED UPLINK INFORMATION	Japan	Issued	2011-133722	Nov 9, 2004	5074613	Aug 31, 2012
RNB-2-0594KR05	METHOD AND SYSTEM FOR TRANSFERRING WIRELESS TRANSMIT/RECEIVE UNIT-SPECIFIC INFORMATION	Republic of Korea	Closed	10-2009-7023463	Nov 9, 2004	1110900	Jan 20, 2012
RNB-2-0594KR06	METHOD AND SYSTEM FOR TRANSFERRING WIRELESS TRANSMIT/RECEIVE UNIT-SPECIFIC INFORMATION	Republic of Korea	Closed	10-2011-7010648	Nov 9, 2004	1235708	Feb 15, 2013
RNB-2-0594KR07	METHOD AND SYSTEM FOR TRANSFERRING WIRELESS TRANSMIT/RECEIVE UNIT-SPECIFIC INFORMATION	Republic of Korea	Closed	10-2012-7000681	Nov 9, 2004	12430137	Mar 7, 2013
RNB-2-0594KR08	METHOD AND SYSTEM FOR TRANSFERRING WIRELESS TRANSMIT/RECEIVE UNIT-SPECIFIC INFORMATION	Republic of Korea	Closed	10-2012-7016641	Nov 9, 2004	1322984	Oct 22, 2013
RNB-2-0594KR09	METHOD AND SYSTEM FOR TRANSFERRING WIRELESS TRANSMIT/RECEIVE UNIT-SPECIFIC INFORMATION	Republic of Korea	Closed	10-2012-7026914	Nov 9, 2004		
RNB-2-0594KR10	METHOD AND SYSTEM FOR TRANSFERRING WIRELESS TRANSMIT/RECEIVE UNIT-SPECIFIC INFORMATION	Republic of Korea	Closed	10-2013-7015251	Nov 9, 2004	10-1452241	Oct 13, 2014

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RNB-2-0594KR11	METHOD AND SYSTEM FOR TRANSFERRING WIRELESS TRANSMIT/RECEIVE UNIT-SPECIFIC INFORMATION	Republic of Korea	Issued	10-2014-7002369	Nov 9, 2004	10-1514216	Apr 16, 2015
RNB-2-0594KR12	METHOD AND SYSTEM FOR TRANSFERRING WIRELESS TRANSMIT/RECEIVE UNIT-SPECIFIC INFORMATION	Republic of Korea	Closed	10-2014-7024235	Nov 9, 2004	10-1625031	May 23, 2016
RNB-2-0594KR13	METHOD AND SYSTEM FOR TRANSFERRING WIRELESS TRANSMIT/RECEIVE UNIT-SPECIFIC INFORMATION	Republic of Korea	Issued	2014-7032678	Nov 9, 2004	10-1711902	Feb 24, 2017
RNB-2-0594KR14	METHOD AND SYSTEM FOR TRANSFERRING WIRELESS TRANSMIT/RECEIVE UNIT-SPECIFIC INFORMATION	Republic of Korea	Issued	10-2015-7011961	Nov 9, 2004	10-1762635	Jul 24, 2017
RNB-2-0594NL01	METHOD AND SYSTEM FOR TRANSFERRING WIRELESS TRANSMIT/RECEIVE UNIT-SPECIFIC INFORMATION	Netherlands	Issued	04800968.2	Nov 9, 2004		May 14, 2014
RNB-2-0594NL02	METHOD AND SYSTEM FOR TRANSFERRING WIRELESS TRANSMIT/RECEIVE UNIT-SPECIFIC INFORMATION	Netherlands	Issued	14166173.4	Nov 9, 2004	2800440	Sep 20, 2017
RNB-2-0594NO02	METHOD AND SYSTEM FOR TRANSFERRING WIRELESS TRANSMIT/RECEIVE UNIT-SPECIFIC INFORMATION	Norway	Closed	20150569	Nov 9, 2004		
RNB-2-0594NO03	METHOD AND SYSTEM FOR TRANSFERRING WIRELESS TRANSMIT/RECEIVE UNIT-SPECIFIC INFORMATION	Norway	Closed	20161492	Nov 9, 2004		
RNB-2-0594SE01	METHOD AND SYSTEM FOR TRANSFERRING WIRELESS TRANSMIT/RECEIVE UNIT-SPECIFIC INFORMATION	Sweden	Closed	04800968.2	Nov 9, 2004	1687903	May 14, 2014
RNB-2-0594US	METHOD FOR SIGNALING MOBILE SPECIFIC INFORMATION FROM THE REMOTE NETWORK CONTROLLER TO THE NODE B	United States of America	Expired	60/519,436	Nov 12, 2003		
RNB-2-0594US03	METHOD AND SYSTEM FOR TRANSFERRING WIRELESS TRANSMIT/RECEIVE UNIT-SPECIFIC INFORMATION	United States of America	Issued	12/559,641	Sep 15, 2009	7813328	Oct 12, 2010

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RNB-2-0594US04	METHOD AND SYSTEM FOR TRANSFERRING WIRELESS TRANSMIT/RECEIVE UNIT-SPECIFIC INFORMATION	United States of America	Issued	12/901,931	Oct 11, 2010	8270351	Sep 18, 2012
RNB-2-0594US05	METHOD AND SYSTEM FOR TRANSFERRING WIRELESS TRANSMIT/RECEIVE UNIT-SPECIFIC INFORMATION	United States of America	Issued	13/589,723	Aug 20, 2012	8665796	Mar 4, 2014
RNB-2-0594US06	METHOD AND SYSTEM FOR TRANSFERRING WIRELESS TRANSMIT/RECEIVE UNIT-SPECIFIC INFORMATION	United States of America	Issued	14/186,375	Feb 21, 2014	9379860	Jun 28, 2016
RNB-2-0594US07	METHOD AND SYSTEM FOR TRANSFERRING WIRELESS TRANSMIT/RECEIVE UNIT-SPECIFIC INFORMATION	United States of America	Issued	14/845,703	Sep 4, 2015	9780927	Oct 3, 2017
RNB-2-0594US08	METHOD AND SYSTEM FOR TRANSFERRING WIRELESS TRANSMIT/RECEIVE UNIT-SPECIFIC INFORMATION	United States of America	Issued	15/722,759	Oct 2, 2017	10225053	Mar 5, 2019
RNB-2-0594US09	METHOD AND SYSTEM FOR TRANSFERRING WIRELESS TRANSMIT/RECEIVE UNIT-SPECIFIC INFORMATION	United States of America	Allowed	16/290,686	Mar 1, 2019	11005614	May 11, 2021
RNB-2-0594US10	METHOD AND NETWORK FOR TRANSFERRING WIRELESS TRANSMIT/RECEIVE UNIT CAPABILITY INFORMATION	United States of America	Published	17/099,379	Nov 16, 2020		
RNB-2-0600US	HARQ IN SOFT HANDOVER	United States of America	Expired	60/507,554	Oct 1, 2003		
RNB-2-0601.1US	MESSAGES TO SUPPORT HANDOVER FOR ENHANCED LINK	United States of America	Abandoned				
RNB-2-0601US	MESSAGES TO SUPPORT HANDOVER FOR ENHANCED LINK	United States of America	Expired	60/508,797	Oct 3, 2003		
RNB-2-0644.1AR	ENHANCED UPLINK OPERATION IN SOFT HANDOVER	Argentina	Closed	P040103049	Aug 25, 2004	AR045492B1	Aug 20, 2008
RNB-2-0644.1AR.1	ENHANCED UPLINK OPERATION IN SOFT HANDOVER	Argentina	Closed	P080102896	Aug 25, 2004	AR067422B2	May 31, 2010

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RNB-2-0644.1AU	ENHANCED UPLINK OPERATION IN SOFT HANDOVER	Australia	Closed	2004302809	Aug 25, 2004	2004302809	Sep 8, 2008
RNB-2-0644.1AU.1	ENHANCED UPLINK OPERATION IN SOFT HANDOVER	Australia	Closed	2008207458	Aug 25, 2004	2008207458	Oct 27, 2011
RNB-2-0644.1BR	ENHANCED UPLINK OPERATION IN SOFT HANDOVER	Brazil	Closed	PI0412612-2	Aug 25, 2004		
RNB-2-0644.1CA	ENHANCED UPLINK OPERATION IN SOFT HANDOVER	Canada	Issued	2,534,085	Aug 25, 2004	2534085	Apr 24, 2012
RNB-2-0644.1CN	ENHANCED UPLINK OPERATION IN SOFT HANDOVER	China	Issued	200480019075.9	Aug 25, 2004	ZL200480019 075.9	Dec 1, 2010
RNB-2-0644.1EP	ENHANCED UPLINK OPERATION IN SOFT HANDOVER	European Patent Office	Issued	04782092.3	Aug 25, 2004	1661278	May 6, 2009
RNB-2-0644.1EP.1	ENHANCED UPLINK OPERATION IN SOFT HANDOVER	European Patent Office	Issued	08167633.0	Aug 25, 2004	2017992	Apr 22, 2020
RNB-2-0644.1GE	ENHANCED UPLINK OPERATION IN SOFT HANDOVER	Georgia	Closed	AP2004009309	Aug 25, 2004	5037	Jul 12, 2010
RNB-2-0644.1GE.1	ENHANCED UPLINK OPERATION IN SOFT HANDOVER	Georgia	Abandoned				
RNB-2-0644.1HK	ENHANCED UPLINK OPERATION IN SOFT HANDOVER	Hong Kong	Closed	07100426.7	Jan 12, 2007	1093618	Sep 2, 2011
RNB-2-0644.1ID	ENHANCED UPLINK OPERATION IN SOFT HANDOVER	Indonesia	Closed	W00200600775	Aug 25, 2004	ID0019510	Jun 29, 2007
RNB-2-0644.1IL	ENHANCED UPLINK OPERATION IN SOFT HANDOVER	Israel	Closed	172702	Aug 25, 2004	172702	Dec 1, 2011

RNB-2-0644.1IN	ENHANCED UPLINK OPERATION IN SOFT HANDOVER	India	Closed	1414/DELNP/2006	Aug 25, 2004	242926	Sep 20, 2010
RNB-2-0644.1JP	ENHANCED UPLINK OPERATION IN SOFT HANDOVER	Japan	Closed	2006-524806	Aug 25, 2004		
RNB-2-0644.1JP.1	ENHANCED UPLINK OPERATION IN SOFT HANDOVER	Japan	Closed	2007-244349	Aug 25, 2004		
RNB-2-0644.1KR	ENHANCED UPLINK OPERATION IN SOFT HANDOVER	Republic of Korea	Closed	10-2006-7003885	Aug 25, 2004	1084778	Nov 11, 2011
RNB-2-0644.1MX	ENHANCED UPLINK OPERATION IN SOFT HANDOVER	Mexico	Closed	PA/A/2006/000996	Aug 25, 2004	265945	Apr 13, 2009
RNB-2-0644.1MX.1	ENHANCED UPLINK OPERATION IN SOFT HANDOVER	Mexico	Closed	MX/a/2009/001169	Aug 25, 2004	285165	Mar 26, 2011
RNB-2-0644.1NO	ENHANCED UPLINK OPERATION IN SOFT HANDOVER	Norway	Closed	20061311	Aug 25, 2004	332422	Sep 17, 2012
RNB-2-0644.1SG	ENHANCED UPLINK OPERATION IN SOFT HANDOVER	Singapore	Closed	200601210-8	Aug 25, 2004	119896	Oct 29, 2010
RNB-2-0644.1SG.1	ENHANCED UPLINK OPERATION IN SOFT HANDOVER	Singapore	Closed	200805932-1	Aug 25, 2004	145733	Feb 29, 2012
RNB-2-0644.1TW	ENHANCED UPLINK OPERATION IN SOFT HANDOVER	Taiwan R.O.C.	Closed	93125654	Aug 26, 2004	I283995	Jul 11, 2007
RNB-2-0644.1TW.1	ENHANCED UPLINK OPERATION IN SOFT HANDOVER	Taiwan R.O.C.	Closed	94108515	Aug 26, 2004	I355210	Dec 21, 2011
RNB-2-0644.1TW.2	ENHANCED UPLINK OPERATION IN SOFT HANDOVER	Taiwan R.O.C.	Closed	96131740	Aug 26, 2004	I393460	Apr 11, 2013

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RNB-2-0644.1US	ENHANCED UPLINK OPERATION IN SOFT HANDOVER	United States of America	Issued	10/925,426	Aug 25, 2004	8023463	Sep 20, 2011
RNB-2-0644.1WO	ENHANCED UPLINK OPERATION IN SOFT HANDOVER	PCT	Expired	PCT/US04/27526	Aug 25, 2004		
RNB-2-0644.2US	HARQ OPERATION IN SOFTER HANDOVER	United States of America	Expired	60/585,174	Jul 2, 2004		
RNB-2-0644AT01	ENHANCED UPLINK OPERATION IN SOFT HANDOVER	Austria	Issued	08167633.0	Aug 25, 2004	2017992	Apr 22, 2020
RNB-2-0644BE01	ENHANCED UPLINK OPERATION IN SOFT HANDOVER	Belgium	Issued	08167633.0	Aug 25, 2004	2017992	Apr 22, 2020
RNB-2-0644CN02	A METHOD, NODE-B, AND WTRU FOR OPERATING H-ARQ	China	issued	201010282463.3	Aug 25, 2004	ZL201010282463.3	Oct 31, 2012
RNB-2-0644DE01	ENHANCED UPLINK OPERATION IN SOFT HANDOVER	Germany	Closed	04782092.3	Aug 25, 2004	60 2004 021 005.6	May 6, 2009
RNB-2-0644DE02	ENHANCED UPLINK OPERATION IN SOFT HANDOVER	Germany	Issued	08167633.0	Aug 25, 2004	2017992	Apr 22, 2020
RNB-2-0644DK01	ENHANCED UPLINK OPERATION IN SOFT HANDOVER	Denmark	Closed	04782092.3	Aug 25, 2004	1661278	May 6, 2009
RNB-2-0644DK02	ENHANCED UPLINK OPERATION IN SOFT HANDOVER	Denmark	Issued	08167633.0	Aug 25, 2004	2017992	Apr 22, 2020
RNB-2-0644EP03	ENHANCED UPLINK OPERATION IN SOFT HANDOVER	European Patent Office	Closed	20170713.0	Aug 25, 2004		
RNB-2-0644ES01	ENHANCED UPLINK OPERATION IN SOFT HANDOVER	Spain	Closed	04782092.3	Aug 25, 2004	1661278	May 6, 2009

RNB-2-0644FI01	ENHANCED UPLINK OPERATION IN SOFT HANDOVER	Finland	Closed	04782092.3	Aug 25, 2004	1661278	May 6, 2009
RNB-2-0644FI02	ENHANCED UPLINK OPERATION IN SOFT HANDOVER	Finland	Issued	08167633.0	Aug 25, 2004	2017992	Apr 22, 2020
RNB-2-0644FR01	ENHANCED UPLINK OPERATION IN SOFT HANDOVER	France	Closed	04782092.3	Aug 25, 2004	1661278	May 6, 2009
RNB-2-0644FR02	ENHANCED UPLINK OPERATION IN SOFT HANDOVER	France	Issued	08167633.0	Aug 25, 2004	2017992	Apr 22, 2020
RNB-2-0644GB01	ENHANCED UPLINK OPERATION IN SOFT HANDOVER	United Kingdom	Closed	04782092.3	Aug 25, 2004	1661278	May 6, 2009
RNB-2-0644GB02	ENHANCED UPLINK OPERATION IN SOFT HANDOVER	United Kingdom	Issued	08167633.0	Aug 25, 2004	2017992	Apr 22, 2020
RNB-2-0644HK02	A METHOD, NODE-B, AND WTRU FOR OPERATING H-ARQ	Hong Kong	Closed	11107963.5	Jan 12, 2007	HK1154316	Jul 12, 2013
RNB-2-0644HU01	ENHANCED UPLINK OPERATION IN SOFT HANDOVER	Hungary	Issued	08167633.0	Aug 25, 2004	2017992	Apr 22, 2020
RNB-2-0644IE01	ENHANCED UPLINK OPERATION IN SOFT HANDOVER	Ireland	Closed	04782092.3	Aug 25, 2004	1661278	May 6, 2009
RNB-2-0644IE02	ENHANCED UPLINK OPERATION IN SOFT HANDOVER	Ireland	Issued	08167633.0	Aug 25, 2004	2017992	Apr 22, 2020
RNB-2-0644IN02	ENHANCED UPLINK OPERATION IN SOFT HANDOVER	India	Closed	2483/DELNP/2010	Aug 25, 2004		
RNB-2-0644IT01	ENHANCED UPLINK OPERATION IN SOFT HANDOVER	Italy	Closed	04782092.3	Aug 25, 2004	1661278	May 6, 2009

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RNB-2-0644IT02	ENHANCED UPLINK OPERATION IN SOFT HANDOVER	Italy	Issued	06167633.0	Aug 25, 2004	2017992	Apr 22, 2020
RNB-2-0644JP03	ENHANCED UPLINK OPERATION IN SOFT HANDOVER	Japan	Closed	2011-063039	Aug 25, 2004		
RNB-2-0644JP04	ENHANCED UPLINK OPERATION IN SOFT HANDOVER	Japan	Closed	2013-119218	Aug 25, 2004		
RNB-2-0644JP05	ENHANCED UPLINK OPERATION IN SOFT HANDOVER	Japan	Closed	2014-099555	Aug 25, 2004		
RNB-2-0644JP06	ENHANCED UPLINK OPERATION IN SOFT HANDOVER	Japan	Closed	2015-121960	Aug 25, 2004		
RNB-2-0644JP07	ENHANCED UPLINK OPERATION IN SOFT HANDOVER	Japan	Closed	2015-121961	Aug 25, 2004		
RNB-2-0644JP08	ENHANCED UPLINK OPERATION IN SOFT HANDOVER	Japan	Closed	2015-121962	Aug 25, 2004		
RNB-2-0644JP09	ENHANCED UPLINK OPERATION IN SOFT HANDOVER	Japan	Closed	2016-101018	Aug 25, 2004		
RNB-2-0644JP10	ENHANCED UPLINK OPERATION IN SOFT HANDOVER	Japan	Pending	2016-229123	Aug 25, 2004		
RNB-2-0644JP11	ENHANCED UPLINK OPERATION IN SOFT HANDOVER	Japan	Pending	2016-229124	Aug 25, 2004		
RNB-2-0644JP12	ENHANCED UPLINK OPERATION IN SOFT HANDOVER	Japan	Pending	2018-141550	Aug 25, 2004		
RNB-2-0644JP13	ENHANCED UPLINK OPERATION IN SOFT HANDOVER	Japan	Pending	2019-076170	Aug 25, 2004		

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RNB-2-0644KR02	ENHANCED UPLINK OPERATION IN SOFT HANDOVER	Republic of Korea	Closed	10-2009-7017700	Aug 25, 2004	1211287	Dec 5, 2012
RNB-2-0644KR03	ENHANCED UPLINK OPERATION IN SOFT HANDOVER	Republic of Korea	Closed	10-2009-7020000	Aug 25, 2004	1211342	Dec 5, 2012
RNB-2-0644KR04	ENHANCED UPLINK OPERATION IN SOFT HANDOVER	Republic of Korea	Closed	10-2011-7014417	Aug 25, 2004	1155810	Jun 5, 2012
RNB-2-0644KR05	ENHANCED UPLINK OPERATION IN SOFT HANDOVER	Republic of Korea	Closed	10-2012-7004417	Aug 25, 2004	1299350	Aug 16, 2013
RNB-2-0644KR06	ENHANCED UPLINK OPERATION IN SOFT HANDOVER	Republic of Korea	Closed	10-2012-7013855	Aug 25, 2004		Sep 2, 2014
RNB-2-0644KR07	ENHANCED UPLINK OPERATION IN SOFT HANDOVER	Republic of Korea	Closed	10-2013-7000159	Aug 25, 2004		
RNB-2-0644KR08	ENHANCED UPLINK OPERATION IN SOFT HANDOVER	Republic of Korea	Closed	10-2014-7011091	Aug 25, 2004	10-1571026	Nov 17, 2015
RNB-2-0644KR09	ENHANCED UPLINK OPERATION IN SOFT HANDOVER	Republic of Korea	Closed	2014-7036022	Aug 25, 2004		
RNB-2-0644KR10	ENHANCED UPLINK OPERATION IN SOFT HANDOVER	Republic of Korea	Issued	2015-7017191	Aug 25, 2004	10-1710511	Feb 21, 2017
RNB-2-0644KR11	ENHANCED UPLINK OPERATION IN SOFT HANDOVER	Republic of Korea	Issued	10-2017-7004682	Aug 25, 2004	1833758	Feb 23, 2018
RNB-2-0644KR12	ENHANCED UPLINK OPERATION IN SOFT HANDOVER	Republic of Korea	Issued	10-2018-7005314	Aug 25, 2004	1960885	Mar 15, 2019
RNB-2-0644MX03	ENHANCED UPLINK OPERATION IN SOFT HANDOVER	Mexico	Closed	MX/a/2009/003526	Aug 25, 2004	285164	Mar 28, 2011

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RNB-2-0644NL01	ENHANCED UPLINK OPERATION IN SOFT HANDOVER	Netherlands	Closed	04782092.3	Aug 25, 2004	1661278	May 6, 2009
RNB-2-0644NL02	ENHANCED UPLINK OPERATION IN SOFT HANDOVER	Netherlands	Issued	08167633.0	Aug 25, 2004	2017992	Apr 22, 2020
RNB-2-0644PL01	ENHANCED UPLINK OPERATION IN SOFT HANDOVER	Poland	Issued	08167633.0	Aug 25, 2004	2017992	Apr 22, 2020
RNB-2-0644SE01	ENHANCED UPLINK OPERATION IN SOFT HANDOVER	Sweden	Closed	04782092.3	Aug 25, 2004	1661278	May 6, 2009
RNB-2-0644TW04	ENHANCED UPLINK OPERATION IN SOFT HANDOVER	Taiwan R.O.C.	Closed	100150035	Aug 26, 2004	I493988	Jul 21, 2015
RNB-2-0644TW05	ENHANCED UPLINK OPERATION IN SOFT HANDOVER	Taiwan R.O.C.	Closed	103121577	Aug 26, 2004	I535309	May 21, 2016
RNB-2-0644TW06	ENHANCED UPLINK OPERATION IN SOFT HANDOVER	Taiwan R.O.C.	Issued	105111025	Aug 26, 2004	I612826	Jan 21, 2018
RNB-2-0644US	HYBRID AUTOMATIC REPEAT REQUEST (HARQ) OPERATION IN SOFT HANDOVER	United States of America	Expired	60/497,747	Aug 25, 2003		
RNB-2-0644US04	ENHANCED UPLINK OPERATION IN SOFT HANDOVER	United States of America	Issued	13/236,133	Sep 19, 2011	9438381	Sep 6, 2016
RNB-2-0644US05	ENHANCED UPLINK OPERATION IN SOFT HANDOVER	United States of America	Issued	15/212,402	Jul 18, 2016	10251106	Apr 2, 2019
RNB-2-0644US06	ENHANCED UPLINK OPERATION IN SOFT HANDOVER	United States of America	Issued	15/212,403	Jul 18, 2016	10390279	Aug 20, 2019
RNB-2-0644US07	ENHANCED UPLINK OPERATION IN SOFT HANDOVER	United States of America	Issued	16/533,320	Aug 6, 2019	10764803	Sep 1, 2020

RNB-2-0644US08	METHOD AND APPARATUS FOR MONITORING A PLURALITY OF CELLS AND ONE OR MORE DOWNLINK CHANNELS	United States of America	Published	17/008,178	Aug 31, 2020		
RNB-2-0644US09	METHOD AND APPARATUS FOR TRANSMITTING DATA VIA A PLURALITY OF CELLS	United States of America	Published	17/099,193	Nov 16, 2020		
RNB-2-0644US10	METHOD AND APPARATUS FOR MONITORING DOWNLINK CHANNELS OF A PLURALITY OF CELLS AND RECEIVING DATA OVER A DOWNLINK CHANNEL	United States of America	Published	17/099,203	Nov 16, 2020		
RNB-2-0644US11	METHOD AND APPARATUS FOR TRANSMITTING DATA OVER A DOWNLINK CHANNEL OF AT LEAST ONE OF A PLURALITY OF CELLS	United States of America	Published	17/099,313	Nov 16, 2020		
RNB-2-0667US	NODE-B ACTIONS DURING ENHANCED UPLINK SERVING CELL CHANGE	United States of America	Expired	60/517,656	Nov 5, 2003		
RNB-2-0671US	UPLINK SCHEDULING FUNCTION FOR ENHANCED UPLINK DURING SOFT HANDOVER	United States of America	Expired	60/519,990	Nov 14, 2003		
RNB-2-0672US	HYBRID AUTOMATIC REPEAT REQUEST (HARQ) OPERATION IN SOFT HANDOVER	United States of America	Expired	60/520,207	Nov 14, 2003		
RNB-2-0674.1AR	WIRELESS COMMUNICATION METHOD AND APPARATUS FOR COORDINATING NODE B'S AND SUPPORTING ENHANCED UPLINK TRANSMISSIONS DURING HANDOVER	Argentina	Closed	P040104090	Nov 5, 2004	AR046366B1	Mar 8, 2007
RNB-2-0674.1AU	WIRELESS COMMUNICATION METHOD AND APPARATUS FOR COORDINATING NODE B'S AND SUPPORTING ENHANCED UPLINK TRANSMISSIONS DURING HANDOVER	Australia	Closed	2004310356	Oct 29, 2004	2004310356	Aug 7, 2008
RNB-2-0674.1AU.1	WIRELESS COMMUNICATION METHOD AND APPARATUS FOR COORDINATING NODE B'S AND SUPPORTING ENHANCED UPLINK	Australia	Closed	2008203316	Oct 29, 2004	2008203316	Jan 14, 2010

	TRANSMISSIONS DURING HANDOVER						
RNB-2-0674.1BR	WIRELESS COMMUNICATION METHOD AND APPARATUS FOR COORDINATING NODE B'S AND SUPPORTING ENHANCED UPLINK TRANSMISSIONS DURING HANDOVER	Brazil	Closed	PI0412959-8	Oct 29, 2004		
RNB-2-0674.1CA	WIRELESS COMMUNICATION METHOD AND APPARATUS FOR COORDINATING NODE B'S AND SUPPORTING ENHANCED UPLINK TRANSMISSIONS DURING HANDOVER	Canada	Issued	2,541,777	Oct 29, 2004	2541777	Dec 17, 2013
RNB-2-0674.1CN	WIRELESS COMMUNICATION METHOD AND APPARATUS FOR COORDINATING NODE B'S AND SUPPORTING ENHANCED UPLINK TRANSMISSIONS DURING HANDOVER	China	Issued	200480021311.0	Oct 29, 2004	ZL200460021311.0	Feb 22, 2012
RNB-2-0674.1CN.1	WIRELESS COMMUNICATION METHOD AND APPARATUS FOR COORDINATING NODE B'S AND SUPPORTING ENHANCED UPLINK TRANSMISSIONS DURING HANDOVER	China	Closed	200910002840.8	Oct 29, 2004		
RNB-2-0674.1EP	WIRELESS COMMUNICATION METHOD AND SYSTEM COORDINATING NODE-B AND SUPPORTING ENHANCED UPLINK TRANSMISSIONS DURING HANDOVER	European Patent Office	Issued	04818612.6	Oct 29, 2004	1680933	Jun 19, 2013
RNB-2-0674.1GE	WIRELESS COMMUNICATION METHOD AND APPARATUS FOR COORDINATING NODE B'S AND SUPPORTING ENHANCED UPLINK TRANSMISSIONS DURING HANDOVER	Georgia	Closed	AP2004009434	Oct 29, 2004	4999	Jun 6, 2010
RNB-2-0674.1HK	WIRELESS COMMUNICATION METHOD AND APPARATUS FOR COORDINATING NODE B'S AND SUPPORTING ENHANCED UPLINK TRANSMISSIONS DURING HANDOVER	Hong Kong	Issued	06111509.5	Oct 18, 2006	1089611	Sep 28, 2012

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RNB-2-0674.1ID	WIRELESS COMMUNICATION METHOD AND APPARATUS FOR COORDINATING NODE B'S AND SUPPORTING ENHANCED UPLINK TRANSMISSIONS DURING HANDOVER	Indonesia	Closed	W00200601131	Oct 29, 2004	IDP0023274	Apr 21, 2009
RNB-2-0674.1ID.1	WIRELESS COMMUNICATION METHOD AND APPARATUS FOR COORDINATING NODE B'S AND SUPPORTING ENHANCED UPLINK TRANSMISSIONS DURING HANDOVER	Indonesia	Closed	W00200802146	Oct 29, 2004	IDP00003628 7	Jul 11, 2014
RNB-2-0674.1IL	WIRELESS COMMUNICATION METHOD AND APPARATUS FOR COORDINATING NODE B'S AND SUPPORTING ENHANCED UPLINK TRANSMISSIONS DURING HANDOVER	Israel	Closed	173216	Oct 29, 2004	173216	Mar 1, 2012
RNB-2-0674.1IN	A METHOD, SYSTEM AND APPARATUS FOR COORDINATING NODE-BS DURING HANDOVER IN A WIRELESS MULTI-CELL COMMUNICATION SYSTEM	India	Closed	3214/DELNP/2006	Oct 29, 2004	259663	Mar 21, 2014
RNB-2-0674.1JP	WIRELESS COMMUNICATION METHOD AND APPARATUS FOR COORDINATING NODE B'S AND SUPPORTING ENHANCED UPLINK TRANSMISSIONS DURING HANDOVER	Japan	Closed	2006-538407	Oct 29, 2004		
RNB-2-0674.1JP.1	WIRELESS COMMUNICATION METHOD AND APPARATUS FOR COORDINATING NODE B'S AND SUPPORTING ENHANCED UPLINK TRANSMISSIONS DURING HANDOVER	Japan	Closed	2008-222378	Oct 29, 2004	4988672	May 11, 2012
RNB-2-0674.1KR	WIRELESS COMMUNICATION METHOD AND APPARATUS FOR COORDINATING NODE B'S AND SUPPORTING ENHANCED UPLINK TRANSMISSIONS DURING HANDOVER	Republic of Korea	Closed	10-2006-7002834	Oct 29, 2004	1123467	Feb 27, 2012
RNB-2-0674.1MX	WIRELESS COMMUNICATION METHOD AND APPARATUS FOR COORDINATING NODE B'S AND SUPPORTING ENHANCED UPLINK	Mexico	Closed	PA/A/2006/003009	Oct 29, 2004	264155	Jan 29, 2009

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	TRANSMISSIONS DURING HANDOVER						
RNB-2-0674.1MX.1	WIRELESS COMMUNICATION METHOD AND APPARATUS FOR COORDINATING NODE B'S AND SUPPORTING ENHANCED UPLINK TRANSMISSIONS DURING HANDOVER	Mexico	Closed	MX/A/2008/016003	Oct 29, 2004	277723	Jul 30, 2010
RNB-2-0674.1MX.2	WIRELESS COMMUNICATION METHOD AND APPARATUS FOR COORDINATING NODE B'S AND SUPPORTING ENHANCED UPLINK TRANSMISSIONS DURING HANDOVER	Mexico	Closed	MX/a/2009/000681	Oct 29, 2004	316466	Dec 16, 2013
RNB-2-0674.1NO	WIRELESS COMMUNICATION METHOD AND APPARATUS FOR COORDINATING NODE B'S AND SUPPORTING ENHANCED UPLINK TRANSMISSIONS DURING HANDOVER	Norway	Closed	20062507	Oct 29, 2004	336777	Nov 2, 2015
RNB-2-0674.1SG	WIRELESS COMMUNICATION METHOD AND APPARATUS FOR COORDINATING NODE B'S AND SUPPORTING ENHANCED UPLINK TRANSMISSIONS DURING HANDOVER	Singapore	Closed	200602733-8	Oct 29, 2004	121629	Jun 30, 2009
RNB-2-0674.1SG.1	WIRELESS COMMUNICATION METHOD AND APPARATUS FOR COORDINATING NODE B'S AND SUPPORTING ENHANCED UPLINK TRANSMISSIONS DURING HANDOVER	Singapore	Closed	200900809-5	Oct 29, 2004		
RNB-2-0674.1TW	WIRELESS COMMUNICATION METHOD AND APPARATUS FOR COORDINATING NODE B'S AND SUPPORTING ENHANCED UPLINK TRANSMISSIONS DURING HANDOVER	Taiwan R.O.C.	Closed	93133273	Nov 1, 2004	I258929	Jul 21, 2006
RNB-2-0674.1TW.1	WIRELESS COMMUNICATION METHOD AND APPARATUS FOR COORDINATING NODE B'S AND SUPPORTING ENHANCED UPLINK TRANSMISSIONS DURING HANDOVER	Taiwan R.O.C.	Closed	94114807	Nov 1, 2004	I411325	Oct 1, 2013

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RNB-2-0674.1TW.2	WIRELESS COMMUNICATION METHOD AND APPARATUS FOR COORDINATING NODE B'S AND SUPPORTING ENHANCED UPLINK TRANSMISSIONS DURING HANDOVER	Taiwan R.O.C.	Closed	96141767	Nov 1, 2004	I408979	Sep 11, 2013
RNB-2-0674.1US	WIRELESS COMMUNICATION METHOD AND APPARATUS FOR COORDINATING NODE-B'S AND SUPPORTING ENHANCED UPLINK TRANSMISSIONS DURING HANDOVER	United States of America	Issued	10/962,720	Oct 12, 2004	7046648	May 16, 2006
RNB-2-0674.1WO	WIRELESS COMMUNICATION METHOD AND APPARATUS FOR COORDINATING NODE B'S AND SUPPORTING ENHANCED UPLINK TRANSMISSIONS DURING HANDOVER	PCT	Closed	PCT/US04/36310	Oct 29, 2004		
RNB-2-0674.2US	SUPPORTING ENHANCED UPLINK TRANSMISSION DURING SOFT HANDOVER	United States of America	Issued	11/434,330	May 15, 2006	8130720	Mar 6, 2012
RNB-2-0674AT03	METHODS AND APPARATUSES FOR COORDINATING NODE-Bs AND SUPPORTING ENHANCED UPLINK TRANSMISSION DURING SOFT HANDOVER	Austria	Issued	16174968.4	Oct 29, 2004	3089393	Mar 27, 2019
RNB-2-0674AT04	METHODS AND APPARATUSES FOR COORDINATING NODE-Bs AND SUPPORTING ENHANCED UPLINK TRANSMISSION DURING SOFT HANDOVER	Austria	Issued	16174995.7	Oct 29, 2004	3089394	Aug 7, 2019
RNB-2-0674AU03	WIRELESS COMMUNICATION METHOD AND APPARATUS FOR COORDINATING NODE B'S AND SUPPORTING ENHANCED UPLINK TRANSMISSIONS DURING HANDOVER	Australia	Closed	2009251173	Oct 29, 2004	2009251173	Oct 4, 2012
RNB-2-0674AU04	WIRELESS COMMUNICATION METHOD AND APPARATUS FOR COORDINATING NODE B'S AND SUPPORTING ENHANCED UPLINK TRANSMISSIONS DURING HANDOVER	Australia	Closed	2012227218	Oct 29, 2004	2012227218	Oct 22, 2015

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RNB-2-0674AU05	WIRELESS COMMUNICATION METHOD AND APPARATUS FOR COORDINATING NODE B'S AND SUPPORTING ENHANCED UPLINK TRANSMISSIONS DURING HANDOVER	Australia	Closed	2015238778	Oct 29, 2004		
RNB-2-0674BE04	METHODS AND APPARATUSES FOR COORDINATING NODE-Bs AND SUPPORTING ENHANCED UPLINK TRANSMISSION DURING SOFT HANDOVER	Belgium	Issued	16174995.7	Oct 29, 2004	3089394	Aug 7, 2019
RNB-2-0674CA02	WIRELESS COMMUNICATION METHOD AND APPARATUS FOR COORDINATING NODE B'S AND SUPPORTING ENHANCED UPLINK TRANSMISSIONS DURING HANDOVER	Canada	Issued	2,636,724	Oct 29, 2004	2836724	Nov 7, 2017
RNB-2-0674CN03	A WIRELESS TRANSMIT/RECEIVE UNIT, A NODE B AND A METHOD	China	Issued	201110411562.9	Oct 29, 2004	ZL 201110411562.9	Feb 3, 2016
RNB-2-0674DE01	WIRELESS COMMUNICATION METHOD AND APPARATUS FOR COORDINATING NODE B'S AND SUPPORTING ENHANCED UPLINK TRANSMISSIONS DURING HANDOVER	Germany	Issued	04818612.6	Oct 29, 2004		Jun 19, 2013
RNB-2-0674DE03	METHODS AND APPARATUSES FOR COORDINATING NODE-Bs AND SUPPORTING ENHANCED UPLINK TRANSMISSION DURING SOFT HANDOVER	Germany	Issued	16174968.4	Oct 29, 2004	60 2004 053 834.5	Mar 27, 2019
RNB-2-0674DE04	METHODS AND APPARATUSES FOR COORDINATING NODE-Bs AND SUPPORTING ENHANCED UPLINK TRANSMISSION DURING SOFT HANDOVER	Germany	Issued	16174995.7	Oct 29, 2004	3089394	Aug 7, 2019
RNB-2-0674DK01	WIRELESS COMMUNICATION METHOD AND APPARATUS FOR COORDINATING NODE B'S AND SUPPORTING ENHANCED UPLINK TRANSMISSIONS DURING HANDOVER	Denmark	Closed	04818612.6	Oct 29, 2004		Jun 19, 2013
RNB-2-0674DK03	METHODS AND APPARATUSES FOR COORDINATING NODE-Bs AND SUPPORTING ENHANCED UPLINK	Denmark	Issued	16174968.4	Oct 29, 2004	3089393	Mar 27, 2019

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	TRANSMISSION DURING SOFT HANDOVER						
RNB-2-0674DK04	METHODS AND APPARATUSES FOR COORDINATING NODE-Bs AND SUPPORTING ENHANCED UPLINK TRANSMISSION DURING SOFT HANDOVER	Denmark	Issued	16174995.7	Oct 29, 2004	3089394	Aug 7, 2019
RNB-2-0674EP02	METHODS AND APPARATUSES FOR COORDINATING NODE-Bs AND SUPPORTING ENHANCED UPLINK TRANSMISSION DURING SOFT HANDOVER	European Patent Office	Closed	12167911.2	Oct 29, 2004		
RNB-2-0674EP03	METHODS AND APPARATUSES FOR COORDINATING NODE-Bs AND SUPPORTING ENHANCED UPLINK TRANSMISSION DURING SOFT HANDOVER	European Patent Office	Issued	16174968.4	Oct 29, 2004	3089393	Mar 27, 2019
RNB-2-0674EP04	METHODS AND APPARATUSES FOR COORDINATING NODE-Bs AND SUPPORTING ENHANCED UPLINK TRANSMISSION DURING SOFT HANDOVER	European Patent Office	Issued	16174995.7	Oct 29, 2004	3089394	Aug 7, 2019
RNB-2-0674EP05	METHODS AND APPARATUSES FOR COORDINATING NODE-Bs AND SUPPORTING ENHANCED UPLINK TRANSMISSION DURING SOFT HANDOVER	European Patent Office	Published	19190362.4	Oct 29, 2004		
RNB-2-0674FI03	METHODS AND APPARATUSES FOR COORDINATING NODE-Bs AND SUPPORTING ENHANCED UPLINK TRANSMISSION DURING SOFT HANDOVER	Finland	Issued	16174968.4	Oct 29, 2004	3089393	Mar 27, 2019
RNB-2-0674FI04	METHODS AND APPARATUSES FOR COORDINATING NODE-Bs AND SUPPORTING ENHANCED UPLINK TRANSMISSION DURING SOFT HANDOVER	Finland	Issued	16174995.7	Oct 29, 2004	3089394	Aug 7, 2019
RNB-2-0674FR01	WIRELESS COMMUNICATION METHOD AND APPARATUS FOR COORDINATING NODE B'S AND SUPPORTING ENHANCED UPLINK TRANSMISSIONS DURING HANDOVER	France	Issued	04818612.6	Oct 29, 2004		Jun 19, 2013
RNB-2-0674FR03	METHODS AND APPARATUSES FOR COORDINATING NODE-Bs AND SUPPORTING ENHANCED UPLINK	France	Issued	16174968.4	Oct 29, 2004	3089393	Mar 27, 2019

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	TRANSMISSION DURING SOFT HANDOVER						
RNB-2-0674FR04	METHODS AND APPARATUSES FOR COORDINATING NODE-Bs AND SUPPORTING ENHANCED UPLINK TRANSMISSION DURING SOFT HANDOVER	France	Issued	16174995.7	Oct 29, 2004	3089394	Aug 7, 2019
RNB-2-0674GB01	WIRELESS COMMUNICATION METHOD AND APPARATUS FOR COORDINATING NODE B'S AND SUPPORTING ENHANCED UPLINK TRANSMISSIONS DURING HANDOVER	United Kingdom	Issued	04818612.6	Oct 29, 2004		Jun 19, 2013
RNB-2-0674GB03	METHODS AND APPARATUSES FOR COORDINATING NODE-Bs AND SUPPORTING ENHANCED UPLINK TRANSMISSION DURING SOFT HANDOVER	United Kingdom	Issued	16174968.4	Oct 29, 2004	3089393	Mar 27, 2019
RNB-2-0674GB04	METHODS AND APPARATUSES FOR COORDINATING NODE-Bs AND SUPPORTING ENHANCED UPLINK TRANSMISSION DURING SOFT HANDOVER	United Kingdom	Issued	16174995.7	Oct 29, 2004	3089394	Aug 7, 2019
RNB-2-0674HK02	WIRELESS COMMUNICATION METHOD AND APPARATUS FOR COORDINATING NODE B'S AND SUPPORTING ENHANCED UPLINK TRANSMISSIONS DURING HANDOVER	Hong Kong	Closed	10101286.9	Oct 29, 2004		
RNB-2-0674HK03	A WIRELESS TRANSMIT/RECEIVE UNIT, A NODE B AND A METHOD	Hong Kong	Closed	12113391.4	Dec 27, 2012	1172753	Feb 24, 2017
RNB-2-0674HU03	METHODS AND APPARATUSES FOR COORDINATING NODE-Bs AND SUPPORTING ENHANCED UPLINK TRANSMISSION DURING SOFT HANDOVER	Hungary	Issued	16174968.4	Oct 29, 2004	3089393	Mar 27, 2019
RNB-2-0674HU04	METHODS AND APPARATUSES FOR COORDINATING NODE-Bs AND SUPPORTING ENHANCED UPLINK TRANSMISSION DURING SOFT HANDOVER	Hungary	Issued	16174995.7	Oct 29, 2004	3089394	Aug 7, 2019
RNB-2-0674IE03	METHODS AND APPARATUSES FOR COORDINATING NODE-Bs AND SUPPORTING ENHANCED UPLINK	Ireland	Issued	16174968.4	Oct 29, 2004	3089393	Mar 27, 2019

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	TRANSMISSION DURING SOFT HANDOVER						
RNB-2-0674IE04	METHODS AND APPARATUSES FOR COORDINATING NODE-Bs AND SUPPORTING ENHANCED UPLINK TRANSMISSION DURING SOFT HANDOVER	Ireland	Issued	16174995.7	Oct 29, 2004	3089394	Aug 7, 2019
RNB-2-0674IT01	WIRELESS COMMUNICATION METHOD AND APPARATUS FOR COORDINATING NODE B'S AND SUPPORTING ENHANCED UPLINK TRANSMISSIONS DURING HANDOVER	Italy	Closed	04818612.6	Oct 29, 2004		Jun 19, 2013
RNB-2-0674IT03	METHODS AND APPARATUSES FOR COORDINATING NODE-Bs AND SUPPORTING ENHANCED UPLINK TRANSMISSION DURING SOFT HANDOVER	Italy	Issued	16174968.4	Oct 29, 2004	3089393	Mar 27, 2019
RNB-2-0674IT04	METHODS AND APPARATUSES FOR COORDINATING NODE-Bs AND SUPPORTING ENHANCED UPLINK TRANSMISSION DURING SOFT HANDOVER	Italy	Issued	16174995.7	Oct 29, 2004	3089394	Aug 7, 2019
RNB-2-0674JP03	WIRELESS COMMUNICATION METHOD COORDINATING NODE-B'S AND SUPPORTING ENHANCED UPLINK TRANSMISSIONS DURING HANDOVER	Japan	Closed	2011-165491	Oct 29, 2004		
RNB-2-0674JP04	WIRELESS COMMUNICATION METHOD COORDINATING NODE-B'S AND SUPPORTING ENHANCED UPLINK TRANSMISSIONS DURING HANDOVER	Japan	Closed	2013-021651	Oct 29, 2004		
RNB-2-0674JP05	WIRELESS COMMUNICATION METHOD COORDINATING NODE-B'S AND SUPPORTING ENHANCED UPLINK TRANSMISSIONS DURING HANDOVER	Japan	Closed	2014-123731	Oct 29, 2004		
RNB-2-0674JP06	WIRELESS COMMUNICATION METHOD COORDINATING NODE-B'S AND SUPPORTING ENHANCED UPLINK TRANSMISSIONS DURING HANDOVER	Japan	Closed	2014-123732	Oct 29, 2004		

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RNB-2-0674JP07	WIRELESS COMMUNICATION METHOD COORDINATING NODE-B'S AND SUPPORTING ENHANCED UPLINK TRANSMISSIONS DURING HANDOVER	Japan	Closed	2015-201195	Oct 29, 2004		
RNB-2-0674KR02	WIRELESS COMMUNICATION METHOD AND APPARATUS FOR COORDINATING NODE B'S AND SUPPORTING ENHANCED UPLINK TRANSMISSIONS DURING HANDOVER	Republic of Korea	Closed	10-2009-7022603	Oct 29, 2004	1175838	Aug 14, 2012
RNB-2-0674KR03	WIRELESS COMMUNICATION METHOD AND APPARATUS FOR COORDINATING NODE B'S AND SUPPORTING ENHANCED UPLINK TRANSMISSIONS DURING HANDOVER	Republic of Korea	Closed	10-2011-7021415	Oct 29, 2004	1228455	Jan 25, 2013
RNB-2-0674KR04	WIRELESS COMMUNICATION METHOD AND APPARATUS FOR COORDINATING NODE B'S AND SUPPORTING ENHANCED UPLINK TRANSMISSIONS DURING HANDOVER	Republic of Korea	Closed	10-2012-7008772	Oct 29, 2004	1298365	Aug 13, 2013
RNB-2-0674KR05	WIRELESS COMMUNICATION METHOD AND APPARATUS FOR COORDINATING NODE B'S AND SUPPORTING ENHANCED UPLINK TRANSMISSIONS DURING HANDOVER	Republic of Korea	Closed	10-2012-7021244	Oct 29, 2004		
RNB-2-0674KR06	WIRELESS COMMUNICATION METHOD AND APPARATUS FOR COORDINATING NODE B'S AND SUPPORTING ENHANCED UPLINK TRANSMISSIONS DURING HANDOVER	Republic of Korea	Closed	10-2013-7011258	Oct 29, 2004		
RNB-2-0674KR07	WIRELESS COMMUNICATION METHOD AND APPARATUS FOR COORDINATING NODE B'S AND SUPPORTING ENHANCED UPLINK TRANSMISSIONS DURING HANDOVER	Republic of Korea	Closed	10-2013-7031818	Nov 29, 2013	10-1569390	Nov 10, 2015
RNB-2-0674KR08	WIRELESS COMMUNICATION METHOD AND APPARATUS FOR COORDINATING NODE B'S AND SUPPORTING ENHANCED UPLINK	Republic of Korea	Closed	10-2014-7016730	Nov 29, 2013	10-1568201	Nov 5, 2015

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	TRANSMISSIONS DURING HANDOVER						
RNB-2-0674KR09	WIRELESS COMMUNICATION METHOD AND APPARATUS FOR COORDINATING NODE B'S AND SUPPORTING ENHANCED UPLINK TRANSMISSIONS DURING HANDOVER	Republic of Korea	Closed	2014-7033097	Oct 29, 2004		
RNB-2-0674KR10	WIRELESS COMMUNICATION METHOD AND APPARATUS FOR COORDINATING NODE B'S AND SUPPORTING ENHANCED UPLINK TRANSMISSIONS DURING HANDOVER	Republic of Korea	Issued	2015-7015229	Oct 29, 2004	1691042	Dec 23, 2016
RNB-2-0674KR11	WIRELESS COMMUNICATION METHOD AND APPARATUS FOR COORDINATING NODE B'S AND SUPPORTING ENHANCED UPLINK TRANSMISSIONS DURING HANDOVER	Republic of Korea	Closed	2015-7031817	Oct 29, 2004		
RNB-2-0674KR12	WIRELESS COMMUNICATION METHOD AND APPARATUS FOR COORDINATING NODE B'S AND SUPPORTING ENHANCED UPLINK TRANSMISSIONS DURING HANDOVER	Republic of Korea	Issued	2017-7000742	Oct 29, 2004	10-1760738	Jul 18, 2017
RNB-2-0674MX04	WIRELESS COMMUNICATION METHOD AND APPARATUS FOR COORDINATING NODE B'S AND SUPPORTING ENHANCED UPLINK TRANSMISSIONS DURING HANDOVER	Mexico	Closed	MX/a/2013/011298	Oct 29, 2004		
RNB-2-0674NL01	WIRELESS COMMUNICATION METHOD AND APPARATUS FOR COORDINATING NODE B'S AND SUPPORTING ENHANCED UPLINK TRANSMISSIONS DURING HANDOVER	Netherlands	Issued	04818612.6	Oct 29, 2004		Jun 19, 2013
RNB-2-0674NL03	METHODS AND APPARATUSES FOR COORDINATING NODE-Bs AND SUPPORTING ENHANCED UPLINK TRANSMISSION DURING SOFT HANDOVER	Netherlands	Issued	16174968.4	Oct 29, 2004	3089393	Mar 27, 2019

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RNB-2-0674NL04	METHODS AND APPARATUSES FOR COORDINATING NODE-Bs AND SUPPORTING ENHANCED UPLINK TRANSMISSION DURING SOFT HANDOVER	Netherlands	Issued	16174995.7	Oct 29, 2004	3089394	Aug 7, 2019
RNB-2-0674NO02	WIRELESS COMMUNICATION METHOD AND APPARATUS FOR COORDINATING NODE B'S AND SUPPORTING ENHANCED UPLINK TRANSMISSIONS DURING HANDOVER	Norway	Closed	20140982	Oct 29, 2004		
RNB-2-0674PL03	METHODS AND APPARATUSES FOR COORDINATING NODE-Bs AND SUPPORTING ENHANCED UPLINK TRANSMISSION DURING SOFT HANDOVER	Poland	Issued	16174968.4	Oct 29, 2004	3089393	Mar 27, 2019
RNB-2-0674PL04	METHODS AND APPARATUSES FOR COORDINATING NODE-Bs AND SUPPORTING ENHANCED UPLINK TRANSMISSION DURING SOFT HANDOVER	Poland	Issued	16174995.7	Oct 29, 2004	3089394	Aug 7, 2019
RNB-2-0674SG03	WIRELESS COMMUNICATION METHOD AND APPARATUS FOR COORDINATING NODE B'S AND SUPPORTING ENHANCED UPLINK TRANSMISSIONS DURING HANDOVER	Singapore	Closed	201205739-4	Oct 29, 2004		
RNB-2-0674TW04	WIRELESS COMMUNICATION METHOD AND APPARATUS FOR COORDINATING NODE B'S AND SUPPORTING ENHANCED UPLINK TRANSMISSIONS DURING HANDOVER	Taiwan R.O.C.	Issued	101124119	Nov 1, 2004	I516144	Jan 1, 2016
RNB-2-0674TW05	WIRELESS COMMUNICATION METHOD AND APPARATUS FOR COORDINATING NODE B'S AND SUPPORTING ENHANCED UPLINK TRANSMISSIONS DURING HANDOVER	Taiwan R.O.C.	Issued	104139614	Nov 1, 2004	I584660	May 21, 2017
RNB-2-0674TW06	WIRELESS COMMUNICATION METHOD AND APPARATUS FOR COORDINATING NODE B'S AND SUPPORTING ENHANCED UPLINK TRANSMISSIONS DURING HANDOVER	Taiwan R.O.C.	Issued	106112189	Nov 1, 2004	I628965	Jul 1, 2018

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RNB-2-0674US	SOFT HANDOVER IN ENHANCED UPLINK	United States of America	Expired	60/520,692	Nov 17, 2003		
RNB-2-0674US04	SUPPORTING ENHANCED UPLINK TRANSMISSION DURING SOFT HANDOVER	United States of America	Issued	13/308,950	Dec 1, 2011	8457072	Jun 4, 2013
RNB-2-0674US05	SUPPORTING ENHANCED UPLINK TRANSMISSION DURING SOFT HANDOVER	United States of America	Issued	13/908,242	Jun 3, 2013	9215636	Dec 15, 2015
RNB-2-0674US06	SUPPORTING ENHANCED UPLINK TRANSMISSION DURING SOFT HANDOVER	United States of America	Issued	14/869,313	Sep 29, 2015	9763156	Sep 12, 2017
RNB-2-0674US07	SUPPORTING ENHANCED UPLINK TRANSMISSION DURING SOFT HANDOVER	United States of America	Issued	15/699,418	Sep 8, 2017	10219196	Feb 26, 2019
RNB-2-0674US08	SUPPORTING ENHANCED UPLINK TRANSMISSION DURING SOFT HANDOVER	United States of America	Issued	16/283,407	Feb 22, 2019	10791490	Sep 29, 2020
RNB-2-0674US09	SUPPORTING UPLINK TRANSMISSIONS	United States of America	Issued	16/545,396	Aug 20, 2019	10791491	Sep 29, 2020
RNB-2-0674US10	SUPPORTING UPLINK TRANSMISSIONS	United States of America	Issued	17/008,439	Aug 31, 2020	10869247	Dec 15, 2020
RNB-2-0674US11	SUPPORTING UPLINK TRANSMISSIONS	United States of America	Published	17/008,468	Aug 31, 2020		
RNB-2-0674US12	SUPPORTING UPLINK TRANSMISSIONS	United States of America	Allowed	17/099,397	Nov 16, 2020		
RNB-2-0674US13	SUPPORTING UPLINK TRANSMISSIONS	United States of America	Allowed	17/099,354	Nov 16, 2020		
RNB-2-0776US	METHOD AND SYSTEM FOR ENHANCING A TRANSMISSION USING HARQ/ARQ DURING HANDOVER	United States of America	Abandoned	60/578,674	Jun 10, 2004		

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RNB-2-0812.1CA	PER STREAM RATE CONTROL (PSRC) FOR IMPROVING SYSTEM EFFICIENCY IN OFDM-MIMO COMMUNICATION SYSTEMS	Canada	Abandoned	2,576,515	Jul 28, 2005		
RNB-2-0812.1CN	PER STREAM RATE CONTROL (PSRC) FOR IMPROVING SYSTEM EFFICIENCY IN OFDM-MIMO COMMUNICATION SYSTEMS	China	Issued	200580026526.6	Jul 28, 2005	ZL200580026526.6	Sep 14, 2011
RNB-2-0812.1EP	PER STREAM RATE CONTROL (PSRC) FOR IMPROVING SYSTEM EFFICIENCY IN OFDM-MIMO COMMUNICATION SYSTEMS	European Patent Office	Closed	05777225.3	Jul 28, 2005		
RNB-2-0812.1HK	PER STREAM RATE CONTROL (PSRC) FOR IMPROVING SYSTEM EFFICIENCY IN OFDM-MIMO COMMUNICATION SYSTEMS	Hong Kong	Abandoned	PCT/US05/26765	Jul 28, 2005		
RNB-2-0812.1JP	PER STREAM RATE CONTROL (PSRC) FOR IMPROVING SYSTEM EFFICIENCY IN OFDM-MIMO COMMUNICATION SYSTEMS	Japan	Closed	2007-525644	Jul 28, 2005		
RNB-2-0812.1KR	PER STREAM RATE CONTROL (PSRC) FOR IMPROVING SYSTEM EFFICIENCY IN OFDM-MIMO COMMUNICATION SYSTEMS	Republic of Korea	Closed	10-2007-7005608	Jul 26, 2005	0913564	Aug 17, 2009
RNB-2-0812.1KR.1	PER STREAM RATE CONTROL (PSRC) FOR IMPROVING SYSTEM EFFICIENCY IN OFDM-MIMO COMMUNICATION SYSTEMS	Republic of Korea	Closed	10-2007-7008710	Jul 26, 2005	1297883	Aug 12, 2013
RNB-2-0812.1MX	PER STREAM RATE CONTROL (PSRC) FOR IMPROVING SYSTEM EFFICIENCY IN OFDM-MIMO COMMUNICATION SYSTEMS	Mexico	Abandoned	MX/a/2007/001708	Jul 28, 2005		
RNB-2-0812.1NO	PER STREAM RATE CONTROL (PSRC) FOR IMPROVING SYSTEM EFFICIENCY IN OFDM-MIMO COMMUNICATION SYSTEMS	Norway	Abandoned	20071262	Jul 28, 2005		
RNB-2-0812.1TW	PER STREAM RATE CONTROL (PSRC) FOR INPROVING SYSTEM EFFICIENCY IN OFDM-MIMO COMMUNICATION SYSTEMS	Taiwan R.O.C.	Closed	94125978	Jul 29, 2005	I267262	Nov 21, 2006
RNB-2-0812.1TW.1	PER STREAM RATE CONTROL (PSRC) FOR INPROVING SYSTEM EFFICIENCY IN OFDM-MIMO COMMUNICATION SYSTEMS	Taiwan R.O.C.	Closed	95104277	Jul 29, 2005	I388147	Mar 1, 2013

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RNB-2-0812.1TW.2	PER STREAM RATE CONTROL (PSRC) FOR IMPROVING SYSTEM EFFICIENCY IN OFDM-MIMO COMMUNICATION SYSTEMS	Taiwan R.O.C.	Closed	98100264	Jul 29, 2005	I419498	Dec 11, 2013
RNB-2-0812.1US	PER STREAM RATE CONTROL (PSRC) FOR IMPROVING SYSTEM EFFICIENCY IN OFDM-MIMO COMMUNICATION SYSTEMS	United States of America	Issued	11/189,649	Jul 26, 2005	7499393	Mar 3, 2009
RNB-2-0812.1WO	PER STREAM RATE CONTROL (PSRC) FOR IMPROVING SYSTEM EFFICIENCY IN OFDM-MIMO COMMUNICATION SYSTEMS	PCT	Expired	PCT/US05/26765	Jul 28, 2005		
RNB-2-0812KR03	PER STREAM RATE CONTROL (PSRC) FOR IMPROVING SYSTEM EFFICIENCY IN OFDM-MIMO COMMUNICATION SYSTEMS	Republic of Korea	Closed	10-2012-7017588	Jul 28, 2005	1298447	Aug 13, 2013
RNB-2-0812KR04	PER STREAM RATE CONTROL (PSRC) FOR IMPROVING SYSTEM EFFICIENCY IN OFDM-MIMO COMMUNICATION SYSTEMS	Republic of Korea	Closed	10-2013-7008850	Jul 28, 2005	1440253	Sep 3, 2014
RNB-2-0812KR05	PER STREAM RATE CONTROL (PSRC) FOR IMPROVING SYSTEM EFFICIENCY IN OFDM-MIMO COMMUNICATION SYSTEMS	Republic of Korea	Closed	10-2013-7023841	Jul 28, 2005	1504501	Mar 16, 2015
RNB-2-0812KR06	PER STREAM RATE CONTROL (PSRC) FOR IMPROVING SYSTEM EFFICIENCY IN OFDM-MIMO COMMUNICATION SYSTEMS	Republic of Korea	Closed	10-2014-7015133	Jul 28, 2005	10-1566958	Nov 2, 2015
RNB-2-0812KR07	PER STREAM RATE CONTROL (PSRC) FOR IMPROVING SYSTEM EFFICIENCY IN OFDM-MIMO COMMUNICATION SYSTEMS	Republic of Korea	Closed	10-2014-7032293	Jul 28, 2005	1611478	Apr 5, 2016
RNB-2-0812KR08	PER STREAM RATE CONTROL (PSRC) FOR IMPROVING SYSTEM EFFICIENCY IN OFDM-MIMO COMMUNICATION SYSTEMS	Republic of Korea	Closed	10-2015-7012659	Jul 28, 2005	1611496	Apr 5, 2016
RNB-2-0812KR09	PER STREAM RATE CONTROL (PSRC) FOR IMPROVING SYSTEM EFFICIENCY IN OFDM-MIMO COMMUNICATION SYSTEMS	Republic of Korea	Closed	2016-7008950	Jul 28, 2005		
RNB-2-0812TW04	PER STREAM RATE CONTROL (PSRC) FOR INPROVING SYSTEM EFFICIENCY IN OFDM-MIMO COMMUNICATION SYSTEMS	Taiwan R.O.C.	Closed	102110775	Jul 29, 2005		

RNB-2-0812US	MULTIPLE DATA STREAM SYSTEM WITH MULTIPLE-INPUT MULTIPLE-OUTPUT ANTENNAS FOR ORTHOGONAL FREQUENCY DIVISION MULTIPLEXING (OFDM) SYSTEMS WITH SUB-CARRIER ALLOCATION	United States of America	Expired	60/600,742	Aug 11, 2004		
RNB-2-0812US03	PER STREAM RATE CONTROL (PSRC) FOR IMPROVING SYSTEM EFFICIENCY IN OFDM-MIMO COMMUNICATION SYSTEMS	United States of America	Closed	12/396,035	Mar 2, 2009		
RNB-2-1355.00.US	RESOURCE ALLOCATION, SCHEDULING AND SIGNALINGS FOR GROUPING REAL TIME SERVICES IN LTE	United States of America	Expired	60/639,022	Aug 21, 2006		
RNB-2-1355.01.AR	RESOURCE ALLOCATION, SCHEDULING AND SIGNALINGS FOR GROUPING REAL TIME SERVICES IN LTE	Argentina	Abandoned	P070103701	Aug 21, 2007		
RNB-2-1355.01.AU	RESOURCE ALLOCATION, SCHEDULING AND SIGNALINGS FOR GROUPING REAL TIME SERVICES IN LTE	Australia	Abandoned	2007288318	Aug 17, 2007		
RNB-2-1355.01.BR	RESOURCE ALLOCATION, SCHEDULING AND SIGNALINGS FOR GROUPING REAL TIME SERVICES IN LTE	Brazil	Abandoned	PI0714627.2	Aug 17, 2007		
RNB-2-1355.01.CA	RESOURCE ALLOCATION, SCHEDULING AND SIGNALINGS FOR GROUPING REAL TIME SERVICES IN LTE	Canada	Abandoned	2,669,560	Aug 17, 2007		
RNB-2-1355.01.CN	RESOURCE ALLOCATION, SCHEDULING AND SIGNALINGS FOR GROUPING REAL TIME SERVICES IN LTE	China	Abandoned	200780031080.5	Aug 17, 2007		
RNB-2-1355.01.EP	RESOURCE ALLOCATION, SCHEDULING AND SIGNALINGS FOR GROUPING REAL TIME SERVICES IN LTE	European Patent Office	Abandoned	07836992.3	Aug 17, 2007		
RNB-2-1355.01.HK	RESOURCE ALLOCATION, SCHEDULING AND SIGNALINGS FOR GROUPING REAL TIME SERVICES IN LTE	Hong Kong	Abandoned	10100522.5	Aug 17, 2007		

RNB-2-1355.01.ID	RESOURCE ALLOCATION, SCHEDULING AND SIGNALINGS FOR GROUPING REAL TIME SERVICES IN LTE	Indonesia	Abandoned	WOO200900578	Aug 17, 2007		
RNB-2-1355.01.IL	RESOURCE ALLOCATION, SCHEDULING AND SIGNALINGS FOR GROUPING REAL TIME SERVICES IN LTE	Israel	Abandoned	197028	Aug 17, 2007		
RNB-2-1355.01.IN	RESOURCE ALLOCATION, SCHEDULING AND SIGNALINGS FOR GROUPING REAL TIME SERVICES IN LTE	India	Abandoned	1202/DELNP/2009	Aug 17, 2007		
RNB-2-1355.01.JP	RESOURCE ALLOCATION, SCHEDULING AND SIGNALINGS FOR GROUPING REAL TIME SERVICES IN LTE	Japan	Abandoned	2009-525573	Aug 17, 2007		
RNB-2-1355.01.KR	RESOURCE ALLOCATION, SCHEDULING AND SIGNALINGS FOR GROUPING REAL TIME SERVICES IN LTE	Republic of Korea	Abandoned	10-2009-7005673	Aug 17, 2007		
RNB-2-1355.01.MX	RESOURCE ALLOCATION, SCHEDULING AND SIGNALINGS FOR GROUPING REAL TIME SERVICES IN LTE	Mexico	Abandoned	MX/a/2009/1972	Aug 17, 2007		
RNB-2-1355.01.MY	RESOURCE ALLOCATION, SCHEDULING AND SIGNALINGS FOR GROUPING REAL TIME SERVICES IN LTE	Malaysia	Abandoned	PI20090550	Aug 17, 2007		
RNB-2-1355.01.RU	RESOURCE ALLOCATION, SCHEDULING AND SIGNALINGS FOR GROUPING REAL TIME SERVICES IN LTE	Russian Federation	Abandoned	2009110150	Aug 17, 2007		
RNB-2-1355.01.SG	RESOURCE ALLOCATION, SCHEDULING AND SIGNALINGS FOR GROUPING REAL TIME SERVICES IN LTE	Singapore	Abandoned	2009009598	Aug 17, 2007		
RNB-2-1355.01.TW	RESOURCE ALLOCATION, SCHEDULING AND SIGNALINGS FOR GROUPING REAL TIME SERVICES IN LTE	Taiwan R.O.C.	Abandoned	96130635	Aug 17, 2007		
RNB-2-1355.01.US	RESOURCE ALLOCATION, SCHEDULING AND SIGNALINGS FOR GROUPING REAL TIME SERVICES IN LTE	United States of America	Issued	11/840,534	Aug 17, 2007	8165594	Apr 24, 2012

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RNB-2-1355.01.VE	RESOURCE ALLOCATION, SCHEDULING AND SIGNALINGS FOR GROUPING REAL TIME SERVICES IN LTE	Venezuela	Abandoned	2007-001797	Aug 20, 2007		
RNB-2-1355.01.WO	RESOURCE ALLOCATION, SCHEDULING AND SIGNALINGS FOR GROUPING REAL TIME SERVICES IN LTE	PCT	Expired	PCT/US2007/018279	Aug 17, 2007		
RNB-2-1355KR02	RESOURCE ALLOCATION, SCHEDULING AND SIGNALINGS FOR GROUPING REAL TIME SERVICES IN LTE	Republic of Korea	Abandoned	10-2009-7011800	Aug 17, 2007		
RNB-2-1355US03	RESOURCE ALLOCATION, SCHEDULING, AND SIGNALING FOR GROUPING REAL TIME SERVICES	United States of America	Published	13/424,906	Mar 20, 2012		
RNB-2-1355US04	METHOD AND APPARATUS FOR UPLINK TRANSMISSIONS	United States of America	Published	17/131,184	Dec 22, 2020		
RNB-2-1355US05	METHOD AND APPARATUS FOR UPLINK TRANSMISSIONS	United States of America	Published	17/131,145	Dec 22, 2020		
RNB-2-1853.00.US	APPARATUS AND METHOD FOR TERMINATING TRANSMISSION OF A RANDOM ACCESS CHANNEL MESSAGE PART	United States of America	Expired	60/975,985	Sep 28, 2007		
RNB-2-1853.01.AR	METHOD AND APPARATUS FOR TERMINATING TRANSMISSION OF A MESSAGE IN AN ENHANCED RANDOM ACCESS CHANNEL	Argentina	Closed	P080104246	Sep 29, 2008		
RNB-2-1853.01.CNUM	WIRELESS TRANSMIT RECEIVE UNIT FOR TERMINATING TRANSMISSION OF A MESSAGE IN AN ENHANCED RANDOM ACCESS CHANNEL	China	Closed	200820133839.2	Sep 28, 2008	ZL200820133839.2	Feb 17, 2010
RNB-2-1853.01.TW	METHOD AND APPARATUS FOR TERMINATING TRANSMISSION OF A MESSAGE IN AN ENHANCED RANDOM ACCESS CHANNEL	Taiwan R.O.C.	Issued	97137308	Sep 26, 2008	I510036	Nov 21, 2015
RNB-2-1853.01.TWUM	APPARATUS FOR TERMINATING TRANSMISSION OF A MESSAGE IN AN ENHANCED RANDOM ACCESS CHANNEL	Taiwan R.O.C.	Closed	97217487	Sep 26, 2008	M350926	Feb 11, 2009

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RNB-2-1853.01.US	METHOD AND APPARATUS FOR TERMINATING TRANSMISSION OF A MESSAGE IN AN ENHANCED RANDOM ACCESS CHANNEL	United States of America	Issued	12/238,910	Sep 26, 2008	8774104	Jul 8, 2014
RNB-2-1853.01.VE	METHOD AND APPARATUS FOR TERMINATING TRANSMISSION OF A MESSAGE IN AN ENHANCED RANDOM ACCESS CHANNEL	Venezuela	Closed	2008-001992	Sep 29, 2008		
RNB-2-1853.01.WO	METHOD AND APPARATUS FOR TERMINATING TRANSMISSION OF A MESSAGE IN AN ENHANCED RANDOM ACCESS CHANNEL	PCT	Expired	PCT/US08/77904	Sep 26, 2008		
RNB-2-1853AR02	METHOD AND APPARATUS FOR TERMINATING TRANSMISSION OF A MESSAGE IN AN ENHANCED RANDOM ACCESS CHANNEL	Argentina	Closed	P140101362	Sep 29, 2008		
RNB-2-1853AU01	METHOD AND APPARATUS FOR TERMINATING TRANSMISSION OF A MESSAGE IN AN ENHANCED RANDOM ACCESS CHANNEL	Australia	Closed	PCT/US08/77904	Sep 26, 2008		
RNB-2-1853BR01	METHOD AND APPARATUS FOR TERMINATING TRANSMISSION OF A MESSAGE IN AN ENHANCED RANDOM ACCESS CHANNEL	Brazil	Closed	PI0816549-1	Sep 26, 2008		
RNB-2-1853CA01	METHOD AND APPARATUS FOR TERMINATING TRANSMISSION OF A MESSAGE IN AN ENHANCED RANDOM ACCESS CHANNEL	Canada	Closed	PCT/US08/77904	Sep 26, 2008		
RNB-2-1853CN02	METHOD AND APPARATUS FOR TERMINATING TRANSMISSION OF A MESSAGE IN AN ENHANCED RANDOM ACCESS CHANNEL	China	Issued	200880109476.1	Sep 26, 2008	ZL200880109476.1	May 20, 2015
RNB-2-1853CN03	METHOD AND APPARATUS FOR TERMINATING TRANSMISSION OF A MESSAGE IN AN ENHANCED RANDOM ACCESS CHANNEL	China	Published	201510161702.2	Sep 26, 2008		
RNB-2-1853CN04	METHOD AND APPARATUS FOR TERMINATING TRANSMISSION OF A MESSAGE IN AN	China	Issued	201910062001.1	Sep 26, 2008	ZL201910062001.1	Jan 5, 2021

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RNB-2-1853CN05	METHOD AND APPARATUS FOR TERMINATING TRANSMISSION OF A MESSAGE IN AN ENHANCED RANDOM ACCESS CHANNEL	China	Published	201910063464.X	Sep 26, 2008		
RNB-2-1853CN06	METHOD AND APPARATUS FOR TERMINATING TRANSMISSION OF A MESSAGE IN AN ENHANCED RANDOM ACCESS CHANNEL	China	Published	201910062027.6	Sep 26, 2008		
RNB-2-1853DE01	METHOD AND APPARATUS FOR TERMINATING TRANSMISSION OF A MESSAGE IN AN ENHANCED RANDOM ACCESS CHANNEL	Germany	Issued	08834882.6	Sep 26, 2008	2201796	Oct 24, 2012
RNB-2-1853DE02	APPARATUS AND METHOD FOR TERMINATING TRANSMISSION OF A RANDOM ACCESS CHANNEL MESSAGE PART	Germany	Issued	101719854	Sep 26, 2008	2276315	Jan 22, 2014
RNB-2-1853EP01	METHOD AND APPARATUS FOR TERMINATING TRANSMISSION OF A MESSAGE IN AN ENHANCED RANDOM ACCESS CHANNEL	European Patent Office	Issued	08834882.6	Sep 26, 2008	2201796	Oct 24, 2012
RNB-2-1853EP02	APPARATUS AND METHOD FOR TERMINATING TRANSMISSION OF A RANDOM ACCESS CHANNEL MESSAGE PART	European Patent Office	Issued	10171985.4	Sep 26, 2008	2276315	Jan 22, 2014
RNB-2-1853EP03	APPARATUS AND METHOD FOR TERMINATING TRANSMISSION OF A RANDOM ACCESS CHANNEL MESSAGE PART	European Patent Office	Published	13162013.0	Sep 26, 2008		
RNB-2-1853FI01	METHOD AND APPARATUS FOR TERMINATING TRANSMISSION OF A MESSAGE IN AN ENHANCED RANDOM ACCESS CHANNEL	Finland	Closed	08834882.6	Sep 26, 2008	2201796	Oct 24, 2012
RNB-2-1853FI02	APPARATUS AND METHOD FOR TERMINATING TRANSMISSION OF A RANDOM ACCESS CHANNEL MESSAGE PART	Finland	Closed	101719854	Sep 26, 2008	2276315	Jan 22, 2014

RNB-2-1853FR01	METHOD AND APPARATUS FOR TERMINATING TRANSMISSION OF A MESSAGE IN AN ENHANCED RANDOM ACCESS CHANNEL	France	Issued	08834882.6	Sep 26, 2008	2201796	Oct 24, 2012
RNB-2-1853FR02	APPARATUS AND METHOD FOR TERMINATING TRANSMISSION OF A RANDOM ACCESS CHANNEL MESSAGE PART	France	Closed	101719854	Sep 26, 2008	2276315	Jan 22, 2014
RNB-2-1853GB01	METHOD AND APPARATUS FOR TERMINATING TRANSMISSION OF A MESSAGE IN AN ENHANCED RANDOM ACCESS CHANNEL	United Kingdom	Issued	08834882.6	Sep 26, 2008	2201796	Oct 24, 2012
RNB-2-1853GB02	APPARATUS AND METHOD FOR TERMINATING TRANSMISSION OF A RANDOM ACCESS CHANNEL MESSAGE PART	United Kingdom	Closed	101719854	Sep 26, 2008	2276315	Jan 22, 2014
RNB-2-1853HK01	METHOD AND APPARATUS FOR TERMINATING TRANSMISSION OF A MESSAGE IN AN ENHANCED RANDOM ACCESS CHANNEL	Hong Kong	Closed	11105556.2	Sep 26, 2008		
RNB-2-1853ID01	METHOD AND APPARATUS FOR TERMINATING TRANSMISSION OF A MESSAGE IN AN ENHANCED RANDOM ACCESS CHANNEL	Indonesia	Closed	PCT/US08/77904	Sep 26, 2008		
RNB-2-1853IE01	METHOD AND APPARATUS FOR TERMINATING TRANSMISSION OF A MESSAGE IN AN ENHANCED RANDOM ACCESS CHANNEL	Ireland	Closed	08834882.6	Sep 26, 2008	2201796	Oct 24, 2012
RNB-2-1853IE02	APPARATUS AND METHOD FOR TERMINATING TRANSMISSION OF A RANDOM ACCESS CHANNEL MESSAGE PART	Ireland	Closed	101719854	Sep 26, 2008	2276315	Jan 22, 2014
RNB-2-1853IL01	METHOD AND APPARATUS FOR TERMINATING TRANSMISSION OF A MESSAGE IN AN ENHANCED RANDOM ACCESS CHANNEL	Israel	Closed	204742	Sep 26, 2008		
RNB-2-1853IN01	METHOD AND APPARATUS FOR TERMINATING TRANSMISSION OF A MESSAGE IN AN	India	Closed	PCT/US08/77904	Sep 26, 2008		

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RNB-2-1853IT01	APPARATUS AND METHOD FOR TERMINATING TRANSMISSION OF A RANDOM ACCESS CHANNEL MESSAGE PART	Italy	Closed	101719854	Sep 26, 2008	2276315	Jan 22, 2014
RNB-2-1853JP01	METHOD AND APPARATUS FOR TERMINATING TRANSMISSION OF A MESSAGE IN AN ENHANCED RANDOM ACCESS CHANNEL	Japan	Issued	2010-527194	Sep 26, 2008	5100841	Oct 5, 2012
RNB-2-1853JP02	APPARATUS AND METHOD FOR TERMINATING TRANSMISSION OF A RANDOM ACCESS CHANNEL MESSAGE PART	Japan	Closed	2012-211121	Sep 26, 2008	6046969	Nov 25, 2016
RNB-2-1853JP03	APPARATUS AND METHOD FOR TERMINATING TRANSMISSION OF A RANDOM ACCESS CHANNEL MESSAGE PART	Japan	Closed	2015-031923	Sep 26, 2008		
RNB-2-1853JP04	APPARATUS AND METHOD FOR TERMINATING TRANSMISSION OF A RANDOM ACCESS CHANNEL MESSAGE PART	Japan	Closed	2017-117753	Sep 26, 2008		
RNB-2-1853JP05	APPARATUS AND METHOD FOR TERMINATING TRANSMISSION OF A RANDOM ACCESS CHANNEL MESSAGE PART	Japan	Issued	2017-117754	Sep 26, 2008	6509952	Apr 12, 2019
RNB-2-1853JP06	APPARATUS AND METHOD FOR TERMINATING TRANSMISSION OF A RANDOM ACCESS CHANNEL MESSAGE PART	Japan	Allowed	2019-071271	Sep 26, 2008		
RNB-2-1853KR01	METHOD AND APPARATUS FOR TERMINATING TRANSMISSION OF A MESSAGE IN AN ENHANCED RANDOM ACCESS CHANNEL	Republic of Korea	Closed	10-2010-7009403	Sep 26, 2008	1193478	Oct 16, 2012
RNB-2-1853KR02	METHOD AND APPARATUS FOR TERMINATING TRANSMISSION OF A MESSAGE IN AN ENHANCED RANDOM ACCESS CHANNEL	Republic of Korea	Issued	10-2010-7012122	Sep 26, 2008	10-1571023	Nov 17, 2015

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RNB-2-1853KR03	METHOD AND APPARATUS FOR TERMINATING TRANSMISSION OF A MESSAGE IN AN ENHANCED RANDOM ACCESS CHANNEL	Republic of Korea	Issued	10-2013-7025459	Sep 26, 2008	1593056	Feb 2, 2016
RNB-2-1853KR04	METHOD AND APPARATUS FOR TERMINATING TRANSMISSION OF A MESSAGE IN AN ENHANCED RANDOM ACCESS CHANNEL	Republic of Korea	Issued	10-2014-7025978	Sep 26, 2008	10-1570812	Nov 16, 2015
RNB-2-1853KR05	METHOD AND APPARATUS FOR TERMINATING TRANSMISSION OF A MESSAGE IN AN ENHANCED RANDOM ACCESS CHANNEL	Republic of Korea	Issued	10-2015-7001379	Sep 26, 2008	10-1622986	May 16, 2016
RNB-2-1853KR06	METHOD AND APPARATUS FOR TERMINATING TRANSMISSION OF A MESSAGE IN AN ENHANCED RANDOM ACCESS CHANNEL	Republic of Korea	Issued	10-2015-7015442	Sep 26, 2008	10-1614421	Apr 15, 2016
RNB-2-1853KR07	METHOD AND APPARATUS FOR TERMINATING TRANSMISSION OF A MESSAGE IN AN ENHANCED RANDOM ACCESS CHANNEL	Republic of Korea	Issued	2016-7012586	Sep 26, 2008	10-1729252	Apr 17, 2017
RNB-2-1853KR08	METHOD AND APPARATUS FOR TERMINATING TRANSMISSION OF A MESSAGE IN AN ENHANCED RANDOM ACCESS CHANNEL	Republic of Korea	Issued	10-2017-7010403	Sep 26, 2008	1830755	Feb 13, 2018
RNB-2-1853KR09	METHOD AND APPARATUS FOR TERMINATING TRANSMISSION OF A MESSAGE IN AN ENHANCED RANDOM ACCESS CHANNEL	Republic of Korea	Issued	10-2018-7004044	Sep 26, 2008	1942569	Jan 21, 2019
RNB-2-1853KR10	METHOD AND APPARATUS FOR TERMINATING TRANSMISSION OF A MESSAGE IN AN ENHANCED RANDOM ACCESS CHANNEL	Republic of Korea	Issued	10-2019-7002025	Sep 26, 2008	2107629	Apr 28, 2020
RNB-2-1853MX01	METHOD AND APPARATUS FOR TERMINATING TRANSMISSION OF A MESSAGE IN AN ENHANCED RANDOM ACCESS CHANNEL	Mexico	Closed	PCT/US08/77904	Sep 26, 2008		
RNB-2-1853MY01	METHOD AND APPARATUS FOR TERMINATING TRANSMISSION OF A MESSAGE IN AN	Malaysia	Closed	PCT/US08/77904	Sep 26, 2008		

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	ENHANCED RANDOM ACCESS CHANNEL						
RNB-2-1853NL01	METHOD AND APPARATUS FOR TERMINATING TRANSMISSION OF A MESSAGE IN AN ENHANCED RANDOM ACCESS CHANNEL	Netherlands	Issued	08834862.6	Sep 26, 2008	2201796	Oct 24, 2012
RNB-2-1853NL02	APPARATUS AND METHOD FOR TERMINATING TRANSMISSION OF A RANDOM ACCESS CHANNEL MESSAGE PART	Netherlands	Closed	101719854	Sep 26, 2008	2276315	Jan 22, 2014
RNB-2-1853RU01	METHOD AND DEVICE TO COMPLETE MESSAGE TRANSFER IN ENHANCED CHANNEL OF ARBITRARY ACCESS	Russian Federation	Closed	2010116763	Sep 26, 2008	2456778	Jul 20, 2012
RNB-2-1853RU02	APPARATUS AND METHOD FOR TERMINATING TRANSMISSION OF A RANDOM ACCESS CHANNEL MESSAGE PART	Russian Federation	Closed	2012113213	Sep 26, 2008	2521486	Jun 27, 2014
RNB-2-1853RU03	APPARATUS AND METHOD FOR TERMINATING TRANSMISSION OF A RANDOM ACCESS CHANNEL MESSAGE PART	Russian Federation	Closed	2014106830	Sep 26, 2008		
RNB-2-1853SE01	APPARATUS AND METHOD FOR TERMINATING TRANSMISSION OF A RANDOM ACCESS CHANNEL MESSAGE PART	Sweden	Closed	101719854	Sep 26, 2008	2276315	Jan 22, 2014
RNB-2-1853SG01	METHOD AND APPARATUS FOR TERMINATING TRANSMISSION OF A MESSAGE IN AN ENHANCED RANDOM ACCESS CHANNEL	Singapore	Closed	PCT/US08/77904	Sep 26, 2008		
RNB-2-1853TW03	APPARATUS AND METHOD FOR TERMINATING TRANSMISSION OF A RANDOM ACCESS CHANNEL MESSAGE PART	Taiwan R.O.C.	Closed	101107756	Sep 26, 2008		
RNB-2-1853TW04	APPARATUS AND METHOD FOR TERMINATING TRANSMISSION OF A RANDOM ACCESS CHANNEL MESSAGE PART	Taiwan R.O.C.	Issued	105100272	Sep 26, 2008	I616082	Feb 21, 2018

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RNB-2-1853US03	METHOD AND APPARATUS FOR TERMINATING TRANSMISSION OF A MESSAGE IN AN ENHANCED RANDOM ACCESS CHANNEL	United States of America	Issued	14/319,608	Jun 30, 2014	9313809	Apr 12, 2016
RNB-2-1853US04	METHOD AND APPARATUS FOR TERMINATING TRANSMISSION OF A MESSAGE IN AN ENHANCED RANDOM ACCESS CHANNEL	United States of America	Issued	14/319,975	Jun 30, 2014	9807799	Oct 31, 2017
RNB-2-1853US05	METHOD AND APPARATUS FOR TERMINATING TRANSMISSION OF A MESSAGE IN AN ENHANCED RANDOM ACCESS CHANNEL	United States of America	Issued	14/876,337	Oct 6, 2015	10306677	May 28, 2019
RNB-2-1853US06	METHOD AND APPARATUS FOR TRANSMITTING UPLINK DATA ON UPLINK RESOURCES	United States of America	Allowed	16/421,019	May 23, 2019		
RNB-2-1853US07	METHOD AND APPARATUS FOR PERFORMING RANDOM ACCESS TRANSMISSIONS	United States of America	Published	17/099,223	Nov 16, 2020		
RNB-2-1891.00.US	METHOD TO MANAGE AND SETUP MAC-e/es RESOURCES IN CELL-FACH STATE	United States of America	Expired	60/982,528	Oct 25, 2007		
RNB-2-1891.01.AR	MANAGEMENT AND SETUP OF ENHANCED MAC-E/ES RESOURCES IN CELL-FACH STATE	Argentina	Closed	P080104688	Oct 27, 2008	AR069059B1	Apr 30, 2013
RNB-2-1891.01.CNUM	A NODE-B,A CONTROLLING RADIO NETWORK CONTROLLER AND A SERVING RADIO NETWORK CONTROLLER	China	Closed	200820179859.3	Oct 25, 2008	ZL200820179859.3	Oct 28, 2009
RNB-2-1891.01.TW	MANAGEMENT AND SETUP OF ENHANCED MAC-E/ES RESOURCES IN CELL-FACH STATE	Taiwan R.O.C.	Issued	97141068	Oct 24, 2008	I448130	Aug 1, 2014
RNB-2-1891.01.TWUM	MANAGEMENT AND SETUP OF ENHANCED MAC-E/ES RESOURCES IN CELL-FACH STATE	Taiwan R.O.C.	Closed	97219166	Oct 27, 2008	M355522	Apr 21, 2009
RNB-2-1891.01.US	MANAGEMENT AND SETUP OF ENHANCED MAC-E/ES RESOURCES IN CELL-FACH STATE	United States of America	Issued	12/256,954	Oct 23, 2008	9271280	Feb 23, 2016

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RNB-2-1891.01.VE	MANAGEMENT AND SETUP OF ENHANCED MAC-E/ES RESOURCES IN CELL-FACH STATE	Venezuela	Closed	2008-002204	Oct 24, 2008		
RNB-2-1891.01.WO	METHODS AND APPARATUSES FOR MANAGEMENT AND SETUP OF ENHANCED MACE/ES RESOURCES IN CELL-FACH STATE	PCT	Expired	PCT/US08/80896	Oct 23, 2008		
RNB-2-1891AT01	MANAGEMENT AND SETUP OF ENHANCED MAC-E/ES RESOURCES IN CELL-FACH STATE	Austria	Issued	08842707.5	Oct 23, 2008	2208383	Nov 25, 2020
RNB-2-1891BE01	MANAGEMENT AND SETUP OF ENHANCED MAC-E/ES RESOURCES IN CELL-FACH STATE	Belgium	Issued	08842707.5	Oct 23, 2008	2208383	Nov 25, 2020
RNB-2-1891BR01	MANAGEMENT AND SETUP OF ENHANCED MAC-E/ES RESOURCES IN CELL-FACH STATE	Brazil	Closed	PI0816595-5	Oct 23, 2008		
RNB-2-1891CN02	METHODS AND APPARATUSES FOR MANAGEMENT AND SETUP OF ENHANCED MAC-E/ES RESOURCES IN CELL-FACH STATE	China	Issued	200880113030.6	Oct 23, 2008	ZL200880113030.6	Jun 17, 2015
RNB-2-1891DE01	MANAGEMENT AND SETUP OF ENHANCED MAC-E/ES RESOURCES IN CELL-FACH STATE	Germany	Issued	08842707.5	Oct 23, 2008	2208383	Nov 25, 2020
RNB-2-1891DK01	MANAGEMENT AND SETUP OF ENHANCED MAC-E/ES RESOURCES IN CELL-FACH STATE	Denmark	Issued	08842707.5	Oct 23, 2008	2208383	Nov 25, 2020
RNB-2-1891EP01	MANAGEMENT AND SETUP OF ENHANCED MAC-E/ES RESOURCES IN CELL-FACH STATE	European Patent Office	Issued	08842707.5	Oct 23, 2008	2208383	Nov 25, 2020
RNB-2-1891EP02	MANAGEMENT AND SETUP OF ENHANCED MAC-E/ES RESOURCES IN CELL-FACH STATE	European Patent Office	Pending	20209621.0	Oct 23, 2008		
RNB-2-1891FI01	MANAGEMENT AND SETUP OF ENHANCED MAC-E/ES RESOURCES IN CELL-FACH STATE	Finland	Issued	08842707.5	Oct 23, 2008	2208383	Nov 25, 2020
RNB-2-1891FR01	MANAGEMENT AND SETUP OF ENHANCED MAC-E/ES RESOURCES IN CELL-FACH STATE	France	Issued	08842707.5	Oct 23, 2008	2208383	Nov 25, 2020

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RNB-2-1891GB01	MANAGEMENT AND SETUP OF ENHANCED MAC-E/ES RESOURCES IN CELL-FACH STATE	United Kingdom	Issued	08842707.5	Oct 23, 2008	2208383	Nov 25, 2020
RNB-2-1891HK01	METHODS AND APPARATUSES FOR MANAGEMENT AND SETUP OF ENHANCED MACE/ES RESOURCES IN CELL-FACH STATE	Hong Kong	Closed	11106052.5	Oct 23, 2008		
RNB-2-1891HU01	MANAGEMENT AND SETUP OF ENHANCED MAC-E/ES RESOURCES IN CELL-FACH STATE	Hungary	Issued	08842707.5	Oct 23, 2008	2208383	Nov 25, 2020
RNB-2-1891IE01	MANAGEMENT AND SETUP OF ENHANCED MAC-E/ES RESOURCES IN CELL-FACH STATE	Ireland	Issued	08842707.5	Oct 23, 2008	2208383	Nov 25, 2020
RNB-2-1891IL01	MANAGEMENT AND SETUP OF ENHANCED MAC-E/ES RESOURCES IN CELL-FACH STATE	Israel	Closed	205269	Oct 23, 2008		
RNB-2-1891IT01	MANAGEMENT AND SETUP OF ENHANCED MAC-E/ES RESOURCES IN CELL-FACH STATE	Italy	Issued	08842707.5	Oct 23, 2008	2208383	Nov 25, 2020
RNB-2-1891JP01	MANAGEMENT AND SETUP OF ENHANCED MAC-E/ES RESOURCES IN CELL-FACH STATE	Japan	Closed	2010-531230	Oct 23, 2008	5372001	Sep 27, 2013
RNB-2-1891JP02	METHODS AND APPARATUSES FOR MANAGEMENT AND SETUP OF ENHANCED MACE/ES RESOURCES IN CELL-FACH STATE	Japan	Closed	2013-191794	Oct 23, 2008	5744141	May 15, 2015
RNB-2-1891JP03	METHODS AND APPARATUSES FOR MANAGEMENT AND SETUP OF ENHANCED MACE/ES RESOURCES IN CELL-FACH STATE	Japan	Issued	2015-091454	Oct 23, 2008	6039738	Nov 11, 2016
RNB-2-1891JP04	METHODS AND APPARATUSES FOR MANAGEMENT AND SETUP OF ENHANCED MACE/ES RESOURCES IN CELL-FACH STATE	Japan	Issued	2016-216562	Oct 23, 2008	6606485	Oct 25, 2019
RNB-2-1891KR01	MANAGEMENT AND SET UP OF ENHANCED MAC-E/ES RESOURCES IN CELL-FACH STATE	Republic of Korea	Closed	10-2010-7011268	Oct 23, 2008	10-1156811	Jun 8, 2012
RNB-2-1891KR02	METHOD TO MANAGE AND SETUP MAC-e/es RESOURCES IN CELL-FACH STATE	Republic of Korea	Closed	10-2010-7013843	Oct 23, 2008		

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RNB-2-1891KR03	METHODS AND APPARATUSES FOR MANAGEMENT AND SETUP OF ENHANCED MAC-E/ES RESOURCES IN CELL-FACH STATE	Republic of Korea	Issued	10-2013-7031592	Oct 23, 2008	10-1571134	Nov 17, 2015
RNB-2-1891KR04	METHODS AND APPARATUSES FOR MANAGEMENT AND SETUP OF ENHANCED MAC-E/ES RESOURCES IN CELL-FACH STATE	Republic of Korea	Issued	10-2014-7008899	Apr 3, 2014	10-1568149	Nov 5, 2015
RNB-2-1891KR05	METHODS AND APPARATUSES FOR MANAGEMENT AND SETUP OF ENHANCED MAC-E/ES RESOURCES IN CELL-FACH STATE	Republic of Korea	Issued	10-2015-7002626	Apr 3, 2014	1595423	Feb 12, 2016
RNB-2-1891KR06	METHODS AND APPARATUSES FOR MANAGEMENT AND SETUP OF ENHANCED MAC-E/ES RESOURCES IN CELL-FACH STATE	Republic of Korea	Issued	2016-7003544	Apr 3, 2014	10-1712872	Feb 28, 2017
RNB-2-1891NL01	MANAGEMENT AND SETUP OF ENHANCED MAC-E/ES RESOURCES IN CELL-FACH STATE	Netherlands	Issued	08842707.5	Oct 23, 2008	2208383	Nov 25, 2020
RNB-2-1891PL01	MANAGEMENT AND SETUP OF ENHANCED MAC-E/ES RESOURCES IN CELL-FACH STATE	Poland	Issued	08842707.5	Oct 23, 2008	2208383	Nov 25, 2020
RNB-2-1891RU01	CONTROL AND ESTABLISHMENT OF RESOURCES WITH IMPROVED MAC-e/es IN Cell_FACH STATUS	Russian Federation	Closed	2010120914	Oct 23, 2008	2447623	Apr 10, 2012
RNB-2-1891TW03	MANAGEMENT AND SETUP OF ENHANCED MAC-E/ES RESOURCES IN CELL-FACH STATE	Taiwan R.O.C.	Closed	100107814	Oct 24, 2008		
RNB-2-1891US03	MANAGEMENT AND SETUP OF ENHANCED MAC-E/ES RESOURCES IN CELL-FACH STATE	United States of America	Issued	15/049,922	Feb 22, 2016	9374816	Jun 21, 2016
RNB-2-1891US04	MANAGEMENT AND SETUP OF ENHANCED MAC-E/ES RESOURCES IN CELL-FACH STATE	United States of America	Issued	15/182,218	Jun 14, 2016	9844093	Dec 12, 2017
RNB-2-1891US05	MANAGEMENT AND SETUP OF ENHANCED MAC-E/ES RESOURCES IN CELL-FACH STATE	United States of America	Issued	15/836,302	Dec 8, 2017	10362622	Jul 23, 2019
RNB-2-1891US06	MANAGEMENT AND SETUP OF ENHANCED MAC-E/ES RESOURCES IN CELL-FACH STATE	United States of America	Published	16/516,893	Jul 19, 2019		

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RNB-2-1932.00.US	METHODS AND APPARATUS FOR CELL RESELECTION	United States of America	Expired	61/018,567	Jan 2, 2008		
RNB-2-1932.01.AR	METHODS AND APPARATUS FOR CELL RESELECTION	Argentina	Closed	P090100007	Jan 5, 2009	AR070092B1	Nov 21, 2013
RNB-2-1932.01.TW	METHODS AND APPARATUS FOR CELL RESELECTION	Taiwan R.O.C.	Closed	97151860	Dec 31, 2008	I510110	Nov 21, 2015
RNB-2-1932.01.US	METHOD AND APPARATUS FOR CELL RESELECTION	United States of America	Issued	12/346,631	Dec 30, 2008	8325684	Dec 4, 2012
RNB-2-1932.01.WO	METHODS AND APPARATUS FOR CELL RESELECTION	PCT	Expired	PCT/US08/88565	Dec 30, 2008		
RNB-2-1932BR01	METHODS AND APPARATUS FOR CELL RESELECTION	Brazil	Closed	PI0819956-6	Dec 30, 2008		
RNB-2-1932CN01	METHODS AND APPARATUS FOR CELL RESELECTION	China	Closed	200880123583.X	Dec 30, 2008		
RNB-2-1932CN02	A WTRU AND A METHOD FOR CELL RESELECTION ASSOCIATED WITH A WTRU	China	Issued	201310247094.8	Dec 30, 2008	ZL201310247094.8	Mar 1, 2017
RNB-2-1932EP01	METHODS AND APPARATUS FOR CELL RESELECTION	European Patent Office	Allowed	08870286.5	Dec 30, 2008		
RNB-2-1932HK01	METHODS AND APPARATUS FOR CELL RESELECTION	Hong Kong	Closed	11104641.2	Dec 30, 2008		
RNB-2-1932JP01	METHODS AND APPARATUS FOR CELL RESELECTION	Japan	Closed	2010-541528	Dec 30, 2008	5127933	Nov 9, 2012
RNB-2-1932JP02	METHODS AND APPARATUS FOR CELL RESELECTION	Japan	Closed	2012-238946	Dec 30, 2008		

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RNB-2-1932JP03	METHODS AND APPARATUS FOR CELL RESELECTION	Japan	Closed	2015-208978	Dec 30, 2008		
RNB-2-1932JP04	METHODS AND APPARATUS FOR CELL RESELECTION	Japan	Issued	2018-030709	Dec 30, 2008	6695914	Apr 24, 2020
RNB-2-1932KR01	METHODS AND APPARATUS FOR CELL RESELECTION	Republic of Korea	Closed	10-2010-7016809	Dec 30, 2008	1197380	Oct 29, 2012
RNB-2-1932KR02	METHODS AND APPARATUS FOR CELL RESELECTION	Republic of Korea	Closed	10-2011-7017133	Dec 30, 2008		
RNB-2-1932KR03	METHODS AND APPARATUS FOR CELL RESELECTION	Republic of Korea	Closed	10-2013-7034921	Dec 30, 2008		
RNB-2-1932KR04	METHODS AND APPARATUS FOR CELL RESELECTION	Republic of Korea	Issued	10-2014-7015770	Dec 30, 2008	1681622	Nov 25, 2016
RNB-2-1932KR05	METHODS AND APPARATUS FOR CELL RESELECTION	Republic of Korea	Closed	2016-7032881	Dec 30, 2008		
RNB-2-1932RU01	METHODS AND APPARATUS FOR CELL RESELECTION	Russian Federation	Closed	2010132239	Dec 30, 2008	2474079	Jan 27, 2013
RNB-2-1932TW02	METHODS AND APPARATUS FOR CELL RESELECTION	Taiwan R.O.C.	Issued	103113760	Dec 31, 2008	I538536	Jun 11, 2016
RNB-2-1932TW03	METHODS AND APPARATUS FOR CELL RESELECTION	Taiwan R.O.C.	Issued	105113430	Dec 31, 2008	I584661	May 21, 2017
RNB-2-1932US03	METHOD AND APPARATUS FOR CELL RESELECTION	United States of America	Issued	13/665,734	Oct 31, 2012	9161285	Oct 13, 2015
RNB-2-1932US04	METHOD AND APPARATUS FOR CELL RESELECTION	United States of America	Closed	14/875,059	Oct 5, 2015		

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RNB-2-1932US05	METHOD AND APPARATUS FOR CELL RESELECTION	United States of America	Closed	15/135,616	Apr 22, 2016		
RNB-2-1932US06	METHOD AND APPARATUS FOR CELL RESELECTION	United States of America	Closed	15/135,620	Apr 22, 2016		
RNB-2-1932US07	METHOD AND APPARATUS FOR CELL RESELECTION	United States of America	Issued	15/782,532	Oct 12, 2017	10327188	Jun 18, 2019
RNB-2-1932US08	METHOD AND APPARATUS FOR CELL RESELECTION	United States of America	Issued	15/782,549	Oct 12, 2017	10327189	Jun 18, 2019
RNB-2-1932US09	METHOD AND APPARATUS FOR CELL RESELECTION	United States of America	Published	16/440,886	Jun 13, 2019		
RNB-2-1932US10	METHOD AND APPARATUS SUPPORTING RANDOM ACCESS TRANSMISSIONS	United States of America	Published	17/099,407	Nov 16, 2020		
RNB-2-1932US11	METHOD AND APPARATUS SUPPORTING RANDOM ACCESS TRANSMISSIONS	United States of America	Published	17/099,386	Nov 16, 2020		
RNB-2-1946.00.US	METHOD AND APPARATUS TO CEASE AN E-RACH MESSAGE PART IN AN ENHANCED RACH	United States of America	Expired	61/018,999	Jan 4, 2008		
RNB-2-1970.00.US	METHOD AND APPARATUS TO CEASE AN E-RACH MESSAGE PART IN AN ENHANCED RACH	United States of America	Expired	61/025,441	Feb 1, 2008		
RNB-2-2038.00.US	METHOD AND APPARATUS TO CEASE AN E-RACH MESSAGE PART IN AN ENHANCED RACH	United States of America	Expired	61/038,576	Mar 21, 2008		
RNB-2-2100.00.US	METHOD AND APPARATUS TO CEASE AN E-RACH MESSAGE PART IN AN ENHANCED RACH	United States of America	Expired	61/074,288	Jun 20, 2008		
RNB-2-2135.00.US	METHOD AND APPARATUS TO CEASE AN E-RACH MESSAGE PART IN AN ENHANCED RACH	United States of America	Expired	61/083,409	Jul 24, 2008		

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