

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT4299845

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
GRAND MESA, SERIES 57 OF THE ALLIED SECURITY TRUST I	02/01/2017

RECEIVING PARTY DATA

Name:	INTERTECHNOLOGY GLOBAL LLC
Street Address:	700 SOUTH CENTRAL EXPRESSWAY SOUTH, STE 400
City:	ALLEN
State/Country:	TEXAS
Postal Code:	75013

PROPERTY NUMBERS Total: 34

Property Type	Number
Application Number:	10787536
Application Number:	10869102
Application Number:	10787242
Application Number:	10814784
Application Number:	12490096
Patent Number:	6577686
Patent Number:	6577715
Patent Number:	6597292
Patent Number:	6604218
Patent Number:	6661783
Patent Number:	6677905
Patent Number:	6684086
Patent Number:	6687343
Patent Number:	6700921
Patent Number:	6721367
Patent Number:	6768460
Patent Number:	6785230
Patent Number:	7058041
Patent Number:	6952413
Patent Number:	7046656

PATENT

Property Type	Number
Patent Number:	7020105
Patent Number:	7123618
Patent Number:	7154961
Patent Number:	7567622
Patent Number:	8325845
Patent Number:	7369621
Patent Number:	7502593
Patent Number:	7529567
Patent Number:	7593516
Patent Number:	7797011
Patent Number:	7848459
Patent Number:	8145128
Patent Number:	8195175
Patent Number:	8331395

CORRESPONDENCE DATA

Fax Number:

Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.

Email: info@ip-edge.com

Correspondent Name: INTERTECHNOLOGY GLOBAL LLC

Address Line 1: 700 SOUTH CENTRAL EXPRESSWAY SOUTH, STE 400

Address Line 4: ALLEN, TEXAS 75013

NAME OF SUBMITTER:	TRI LAM
SIGNATURE:	/Tri Lam/
DATE SIGNED:	03/02/2017
	This document serves as an Oath/Declaration (37 CFR 1.63).

Total Attachments: 15

- source=S57L5430 - Executed Exhibit B to Intertechnology Global LLC#page1.tif
- source=S57L5430 - Executed Exhibit B to Intertechnology Global LLC#page2.tif
- source=S57L5430 - Executed Exhibit B to Intertechnology Global LLC#page3.tif
- source=S57L5430 - Executed Exhibit B to Intertechnology Global LLC#page4.tif
- source=S57L5430 - Executed Exhibit B to Intertechnology Global LLC#page5.tif
- source=S57L5430 - Executed Exhibit B to Intertechnology Global LLC#page6.tif
- source=S57L5430 - Executed Exhibit B to Intertechnology Global LLC#page7.tif
- source=S57L5430 - Executed Exhibit B to Intertechnology Global LLC#page8.tif
- source=S57L5430 - Executed Exhibit B to Intertechnology Global LLC#page9.tif
- source=S57L5430 - Executed Exhibit B to Intertechnology Global LLC#page10.tif
- source=S57L5430 - Executed Exhibit B to Intertechnology Global LLC#page11.tif
- source=S57L5430 - Executed Exhibit B to Intertechnology Global LLC#page12.tif
- source=S57L5430 - Executed Exhibit B to Intertechnology Global LLC#page13.tif

source=S57L5430 - Executed Exhibit B to Intertechnology Global LLC#page14.tif

source=S57L5430 - Executed Exhibit B to Intertechnology Global LLC#page15.tif

EXHIBIT B

CONFIRMATORY PATENT ASSIGNMENT FORM

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

ASSIGNMENT

WHEREAS, Grand Mesa, Series 57 of the Allied Security Trust I a Delaware statutory trust with an address at Attention: Jake Handy, Fenwick & West LLP, 555 California St, 12th Floor, San Francisco, California, 94104, U.S.A ("ASSIGNOR") owns certain patents and/or patent applications, as set forth in Attachment 1 attached hereto and incorporated herein by this reference ("PATENTS"); and

WHEREAS, Intertechnology Global LLC, a limited liability company, with a place of business at 3000 Custer Road, Suite 270-7001, Plano, TX 75075 ("ASSIGNEE"), desires to acquire ASSIGNOR's rights, title and interest in, to and under the PATENTS;

WHEREAS, ASSIGNOR and ASSIGNEE have entered into a certain Patent Assignment Agreement, dated January 25, 2017 assigning, among other things, all right, title and interest in and to the PATENTS from ASSIGNOR to ASSIGNEE, subject to any rights granted;

NOW, THEREFORE, in consideration of the sum of One Dollar (\$1.00) and other good and valuable consideration paid by ASSIGNEE to ASSIGNOR, the receipt and sufficiency of which hereby is acknowledged, ASSIGNOR does hereby assigns to ASSIGNEE its entire rights, title and interest in and to the PATENTS (including the right to recover for unsettled past, present and future infringement).

IN WITNESS WHEREOF, ASSIGNOR has caused this Assignment to be duly executed by an authorized officer on this 1st day of February, 2017.

By: Russell W. Bins, Jr.
Name: Russell W. Bins, Jr.
Title: Chief Executive Officer

STATE OF New Jersey)
COUNTY OF Monmouth) ss.

On February 1, 2017, before me, the undersigned notary public in and for said County and State, personally appeared Russell W. Bins, Jr.

personally known to me [or]
 proved to me on the basis of satisfactory evidence

to be the person(s) whose name(s) is subscribed to the within instrument and acknowledged to me that he executed the same in his authorized capacity(ies) and that, by his signature(s) on the instrument, the person(s) or the entity(ies) upon behalf of which the person(s) acted executed the instrument.

WITNESS my hand and official seal.

Melissa J. Schrader
My commission expires on 1/16/2020

ASSIGNEE:

Intertechnology Global LLC

By:

Name: Tri Lam

Title: Managing Member

Address: 3000 Custer Road, Suite 270-2001, Plano, TX 75075

ATTACHMENT I

PATENTS

Fam. No.	Patent/Publ. No	Application No	Status	Patent Title
1	US6577686	US09417179	Patent	Receiver
1	JP2000188568A	JPH11288109	Withdrawn	RECEIVER
1	JPH10290359		Withdrawn	RECEIVER
2	US6577715	US09523599	Patent	Modem apparatus, communication control apparatus, communication terminal apparatus, and communication control method
2	JP3288648B2	JP1999154447A	Lapsed	MODEM DEVICE AND, DEVICE AND METHOD FOR CONTROLLING COMMUNICATION
2		JP2000043089	Withdrawn	MODEM APPARATUS, COMMUNICATION CONTROL APPARATUS, COMMUNICATION TERMINAL APPARATUS AND COMMUNICATION CONTROL METHOD
3	US6597292	US09407374	Patent	Wireless transmission apparatus and control system
3	JP2000112634A	JPH10286235	Withdrawn	CONTROL SYSTEM OF WIRELESS KEY TRANSMISSION DEVICE
4	US6604218	US09479900	Patent	Data encoding apparatus and data decoding apparatus
4	JP2000269824A	JP2000006252	Withdrawn	DATA ENCODING DEVICE AND DATA DECODING DEVICE
4		JPH11005588	Withdrawn	DATA ENCODING APPARATUS AND DATA DECODING APPARATUS
5	US6661783	US09264856	Patent	CDMA transmission apparatus
5	JP3904716B2	JPH10078316	Patent	CDMA MOBILE COMMUNICATION SYSTEM
5	CN1237839A	CN1999103677A	Withdrawn	CDMA transmission apparatus
5	CA2265134A1		Dead	CDMA TRANSMISSION APPARATUS
5	KR10-332271	KR1999-7419	Patent	CDMA transmission apparatus with transmission power control
5	EP0942541A2	EP99102883.9	Withdrawn	CDMA transmission apparatus with transmission power control
6	US6677905	US10075572	Patent	Antenna device and mobile communications apparatus including the device
6	TW180671	TW91101895	Lapsed	Antenna device and mobile communications apparatus including the device

6	KR10-0587236	KR2002-0008972	Lapsed	ANTENNA DEVICE AND MOBILE COMMUNICATION DEVICE USING THE SAME
6	JP2003078335A	JP2001263267A	Withdrawn	ANTENNA AND MOBILE COMMUNICATION APPARATUS
6	JP2003060418A	JP2001247965A	Withdrawn	MOBILE COMMUNICATION APPARATUS
6	JP2003032020A	JP2001217785A	Withdrawn	ANTENNA
6	CN1398015A	CN2104608.5	Abandoned	Antenna device and mobile communicating device using same
6	CA2372634A		Dead	ANTENNA DEVICE AND MOBILE COMMUNICATIONS APPARATUS INCLUDING THE DEVICE
6	MY-124834-A	PI20020461	Abandoned	ANTENNA DEVICE AND MOBILE COMMUNICATIONS APPARATUS INCLUDING THE DEVICE
7	US6684086	US09890939	Patent	Radio base station device and radio communication method
7	KR10-0405098	KR2001-7009957A	Lapsed	RADIO BASE STATION DEVICE AND RADIO COMMUNICATION METHOD
7	EP1152628B1	EP00979972.7	Completed	RADIO BASE STATION DEVICE AND RADIO COMMUNICATION METHOD
7	FREP1152628B1	00979972.7	Lapsed	RADIO BASE STATION DEVICE AND RADIO COMMUNICATION METHOD
7	GBEP1152628B1	00979972.7	Lapsed	RADIO BASE STATION DEVICE AND RADIO COMMUNICATION METHOD
7	DE60008856T	00979972.7	Lapsed	RADIO BASE STATION DEVICE AND RADIO COMMUNICATION METHOD
7	CN1119912C	CN804633.6	Ceased	Radio base station device and radio communication method
7	JP2001169326A	JP11349465A	Withdrawn	WIRELESS BASE STATION SYSTEM AND WIRELESS COMMUNICATION METHOD
7	AU1733201	AU200117332D	Lapsed	Radio base station device and radio communication method
7		WOPCT/JP00/08660	National phase completed	RADIO BASE STATION DEVICE AND RADIO COMMUNICATION METHOD
8	US6687343	US10119773	Patent	Internet communication control apparatus and communication terminal calling method
8	JP3540780B2	JP2001198437A	Lapsed	INTERNET COMMUNICATION CONTROL UNIT AND COMMUNICATION TERMINAL CALLING METHOD THEREFOR
9	US6700921	US09479635	Patent	Spread-spectrum communication apparatus

9	JP2000236283A	JPH11035333	Withdrawn	SPECTRUM SPREAD COMMUNICATIONS EQUIPMENT
9	JP2000209127A	JPH11008781	Withdrawn	SPREAD SPECTRUM COMMUNICATION UNIT
9	JP2000201100A	JPH11001730	Withdrawn	SPREAD SPECTRUM COMMUNICATION DEVICE
10	US6721367	US09434109	Patent	Base station apparatus and radio communication method
10	KR100443327B1	KR1999-0049061A	Patent	BASE STATION APPARATUS AND RADIO COMMUNICATION METHOD WITH PATH DIVERSITY
10	JP3554207B2	JPH10319354	Lapsed	RADIO COMMUNICATION EQUIPMENT AND METHOD THEREFOR
10	EP1001557B1	EP99122263.9	Completed	Radio communication apparatus and method with path diversity
10	GBEP1001557B1	99122263.9	Patent	BASE STATION APPARATUS AND RADIO COMMUNICATION METHOD
10	FREP1001557B1	99122263.9	Patent	BASE STATION APPARATUS AND RADIO COMMUNICATION METHOD
10	DE69934957.5	99122263.9	Patent	BASE STATION APPARATUS AND RADIO COMMUNICATION METHOD
10	CN1180565C	CN99123470.7	Patent	Wireless communication device and wireless communication method
11	US6768460	US09820077	Patent	Diversity wireless device and wireless terminal unit
11	JP2002094324A	JP2000283025A	Withdrawn	WIRELESS TERMINAL
11	JP2001345745A	JP2000292071A	Withdrawn	DIVERSITY RADIO DEVICE
11		JP200090367A	Withdrawn	DIVERSITY WIRELESS DEVICE AND WIRELESS TERMINAL UNIT
12	US6785230	US09577713	Patent	Audio transmission apparatus
12	JP4218186B2	JP2000154209A	Lapsed	VOICE TRANSMISSION DEVICE
12		H11144490	Withdrawn	AUDIO TRANSMISSION APPARATUS
13	US7058041	US10787537	Patent	Extended dynamic resource allocation in packet data transfer
13	US7046656	US10787243	Patent	Extended dynamic resource allocation in packet data transfer
13	US6952413	US10787538	Patent	Extended dynamic resource allocation in packet data transfer
13	KR100781478B1	KR2005-7024267A	Patent	EXTENDED DYNAMIC RESOURCE ALLOCATION FOR PACKET DATA TRANSFER
13	KR100742446B1	KR2005-7024258A	Patent	EXTENDED DYNAMIC RESOURCE ALLOCATION OF PACKET DATA TRANSFER

13	KR100733220B1	KR2005-7024257A	Patent	EXTENDED DYNAMIC RESOURCE ALLOCATION FOR PACKET DATA TRANSFER
13	JP3586463B1	JP200459870A	Patent	MULTIPLE ACCESS COMMUNICATION SYSTEM
13	JP3586462B1	JP200459869A	Patent	MULTIPLE ACCESS COMMUNICATION SYSTEM
13	JP3586461B1	JP200459868A	Patent	MULTIPLE ACCESS COMMUNICATION SYSTEM
13	GB2403102B	GB0415063.7	Patent	Extended dynamic resource allocation in packet data transfer
13	GB2403101B	GB0415062.9	Patent	Extended dynamic resource allocation in packet data transfer
13	GB2400279B	GB0414899.5	Patent	Extended dynamic resource allocation in packet data transfer
13	GB2398708B	GB0314093.6	Patent	Extended dynamic resource allocation in packet data transfer
13	EP1562395B1	EP05009523.1	Completed	Extended dynamic resource allocation for packet data transfer
13	DE60200400965 7.1	05009523.1	Patent	Extended dynamic resource allocation for packet data transfer
13	GBEP1562395B1	05009523.1	Patent	Extended dynamic resource allocation for packet data transfer
13	FREP1562395B1	05009523.1	Patent	Extended dynamic resource allocation for packet data transfer
13	ITEP1562395B1	05009523.1	Abandoned	Extended dynamic resource allocation for packet data transfer
13	ES2296001	05009523.1	Abandoned	Extended dynamic resource allocation for packet data transfer
13	EP1489872B1	EP04000184.4	Completed	Extended dynamic resource allocation for packet data transfer
13	FREP1489872B1	04000184.4	Patent	Extended dynamic resource allocation for packet data transfer
13	GBEP1489872B1	04000184.4	Patent	Extended dynamic resource allocation for packet data transfer
13	ITEP1489872B1	04000184.4	Abandoned	Extended dynamic resource allocation for packet data transfer
13	ES2254990	04000184.4	Abandoned	Extended dynamic resource allocation for packet data transfer
13	DE60200400028 2.8	04000184.4	Patent	Extended dynamic resource allocation for packet data transfer
13	EP1489871B1	EP04000183.6	Completed	Extended dynamic resource allocation for packet data transfer
13	GBEP1489871B1	04000183.6	Patent	Extended dynamic resource allocation for packet data transfer
13	FREP1489871B1	04000183.6	Patent	Extended dynamic resource allocation for packet data transfer

13	ITEP1489871B1	04000183.6	Abandoned	Extended dynamic resource allocation for packet data transfer
13	ES2255690	04000183.6	Abandoned	Extended dynamic resource allocation for packet data transfer
13	DE60200400028 0.1	04000183.6	Patent	Extended dynamic resource allocation for packet data transfer
13	EP1489869B1	EP04000181.0	Completed	Extended dynamic resource allocation for packet data transfer
13	DE60200400034 0.9	04000181.0	Patent	Extended dynamic resource allocation for packet data transfer
13	GBEP1489869B1	04000181.0	Patent	Extended dynamic resource allocation for packet data transfer
13	FREP1489869B1	04000181.0	Patent	Extended dynamic resource allocation for packet data transfer
13	ITEP1489869B1	04000181.0	Abandoned	Extended dynamic resource allocation for packet data transfer
13	ES2257711	04000181.0	Abandoned	Extended dynamic resource allocation for packet data transfer
13	CN1806459B	CN200480016657.1	Patent	Extended dynamic resource allocation for packet data transfer
13	KR2006018895A	KR2005-7024268A	Withdrawn	EXTENDED DYNAMIC RESOURCE ALLOCATION FOR PACKET DATA TRANSFER
13	JP2005012810A	JP2004180201A	Refused	MULTIPLE ACCESS COMMUNICATION SYSTEM
13	JP2005012755A	JP200459867A	Refused	MULTIPLE ACCESS COMMUNICATION SYSTEM
13	CN1806463A	CN200480016805A	Withdrawn	Extended dynamic resource allocation for packet data transfer
13	CN1806462A	CN200480016804A	Withdrawn	Extended dynamic resource allocation for packet data transfer
13	CN1806461A	CN200480016802A	Withdrawn	Extended dynamic resource allocation for packet data transfer
13	CN1806460A	CN200480016677.9A	Withdrawn	Extended dynamic resource allocation for packet data transfer
13	BR200411587A	BRPI0411587-2	Ceased	Extended dynamic resource allocation in packet data transfer
13	BR200411562A	BRPI0411562-7	Ceased	Extended dynamic resource allocation in packet data transfer
13	BR200411527A	BRPI0411527-9	Ceased	Extended dynamic resource allocation in packet data transfer
13	BR200411474A	BRPI0411474-4	Pending (Abandoning)	Extended dynamic resource allocation in packet data transfer
13	AT314796T		Ceased	Extended dynamic resource allocation in packet data transfer
13	AT314797T		Ceased	Extended dynamic resource allocation in packet data transfer

13	AT316747T		Ceased	Extended dynamic resource allocation in packet data transfer
13	EP1489870B	EP04000182.8	Withdrawn	Extended dynamic resource allocation for packet data transfer
13	EP1489875A	EP04014389.3	Withdrawn	Extended dynamic resource allocation in packet data transfer
13	US20040258029	US10/869102	Abandoned	Extended dynamic resource allocation in packet data transfer
13	US20040258037	US10/787536	Abandoned	Extended dynamic resource allocation in packet data transfer
13	WO2004114708	WOPCT/JP04/02303	National phase completed	EXTENDED DYNAMIC RESOURCE ALLOCATION FOR PACKET DATA TRANSFER
13	WO2004114709	WOPCT/JP04/02304	National phase completed	EXTENDED DYNAMIC RESOURCE ALLOCATION OF PACKET DATA TRANSFER
13	WO2004114710	WOPCT/JP04/02305	National phase completed	EXTENDED DYNAMIC RESOURCE ALLOCATION FOR PACKET DATA TRANSFER
13	WO2004114711	WOPCT/JP04/02306	National phase completed	EXTENDED DYNAMIC RESOURCE ALLOCATION FOR PACKET DATA TRANSFER
13	WO2004114713	WOPCT/JP04/08776	National phase completed	EXTENDED DYNAMIC RESOURCE ALLOCATION IN PACKET DATA TRANSFER
13		IN1397/MUMNP/2005	Withdrawn	EXTENDED DYNAMIC RESOURCE ALLOCATION FOR PACKET DATA TRANSFER
13	IN1369/MUMNP/2005	IN220645	Patent	EXTENDED DYNAMIC RESOURCE ALLOCATION OF PACKET DATA TRANSFER
13	IN1360/MUMNP/2005	IN214065	Abandoned	EXTENDED DYNAMIC RESOURCE ALLOCATION FOR PACKET DATA TRANSFER
13		IN1334/MUMNP/2005	Withdrawn	EXTENDED DYNAMIC RESOURCE ALLOCATION FOR PACKET DATA TRANSFER
14	US7020105	US10787258	Patent	Dynamic resource allocation in packet data transfer
14	KR100730861B1	KR2005-7018572A	Patent	DYNAMIC RESOURCE ALLOCATION IN PACKET DATA TRANSFER
14	JP3590055B2	JP200459876A	Patent	MULTIPLE ACCESS COMMUNICATION SYSTEM
14	JP03629032B1	JP2004300724A	Patent	MULTIPLE ACCESS COMMUNICATION SYSTEM
14	GB2400280B	GB200415066A	Patent	Dynamic resource allocation in packet data transfer

14	GB2400271B	GB0307585.0	Patent	Dynamic resource allocation in packet data transfer
14	EP1558051B1	EP05009522.3	Completed	Dynamic resource allocation in packet data transfer
14	DE60200401540 3.2	05009522.3	Patent	Dynamic resource allocation in packet data transfer
14	FREP1558051B1	05009522.3	Patent	Dynamic resource allocation in packet data transfer
14	GBEP1558051B1	05009522.3	Patent	Dynamic resource allocation in packet data transfer
14	EP1465449B1	EP04000180.2	Completed	Dynamic resource allocation in packet data transfer
14	ITEP1465449B1	EP04000180.2	Abandoned	Dynamic resource allocation in packet data transfer
14	DE60200400027 4.7	EP04000180.2	Patent	Dynamic resource allocation in packet data transfer
14	FIEP1465449B1	EP04000180.2	Abandoned	Dynamic resource allocation in packet data transfer
14	DKEP1465449B1	EP04000180.2	Abandoned	Dynamic resource allocation in packet data transfer
14	ES2256801	EP04000180.2	Abandoned	Dynamic resource allocation in packet data transfer
14	FREP1465449B1	EP04000180.2	Patent	Dynamic resource allocation in packet data transfer
14	GBEP1465449B1	EP04000180.2	Patent	Dynamic resource allocation in packet data transfer
14	TREP1465449B1	EP04000180.2	Abandoned	Dynamic resource allocation in packet data transfer
14	KR2005119184A	KR2005-7018757A	Withdrawn	DYNAMIC RESOURCE ALLOCATION IN PACKET DATA TRANSFER
14	KR2005114712A	KR2005-7018780A	Withdrawn	DYNAMIC RESOURCE ALLOCATION IN PACKET DATA TRANSFER
14	JP2004312728A	JP2004100135A	Withdrawn	MULTIPLE ACCESS COMMUNICATION SYSTEM
14	JP2004312703A	JP200459871A	Withdrawn	MULTIPLE ACCESS COMMUNICATION SYSTEM
14	CN1799274A	CN200480008766.9A	Withdrawn	Dynamic resource allocation in packet data transfer
14	CN1768491A	CN200480009110.9A	Withdrawn	Dynamic resource allocation in packet data transfer
14	CN1768490A	CN200480008795.5A	Withdrawn	Dynamic resource allocation in packet data transfer
14		BRPI409163-9	Withdrawn	Dynamic resource allocation in packet data transfer
14		BRPI0409076-4	Withdrawn	Dynamic resource allocation in packet data transfer

14		BRPI0408579-5	Withdrawn	Dynamic resource allocation in packet data transfer
14	AT314795T		Ceased	Dynamic resource allocation in packet data transfer
14	AT403357T		Ceased	Dynamic resource allocation in packet data transfer
14	EP1465448	EP04000151.3	Withdrawn	Dynamic resource allocation in packet data transfer
14	EP1471757A	EP04008085.5	Withdrawn	Dynamic resource allocation in packet data transfer
14	WO2004091116	WOPCT/JP04/02307	National phase completed	Dynamic resource allocation in packet data transfer
14	WO2004091118	WOPCT/JP04/04649	National phase completed	Dynamic resource allocation in packet data transfer
14	WO2004091245	WOPCT/JP04/02308	National phase completed	Dynamic resource allocation in packet data transfer
14		IN1074/MUMNP/2005	Withdrawn	Dynamic resource allocation in packet data transfer
14		IN1075/MUMNP/2005	Withdrawn	Dynamic resource allocation in packet data transfer
14	IN218596	IN1059/MUMNP/2005	Patent	Dynamic resource allocation in packet data transfer
14	US20040208148	US10/787242	Abandoned	Dynamic resource allocation in packet data transfer
14	US20050135327	US10/814784	Abandoned	Dynamic resource allocation in packet data transfer
15	US7123618	US10069934	Patent	Data transmitting apparatus and data receiving apparatus
15	JP3492602B2	JP2000206616A	Patent	DATA TRANSMITTER AND DATA RECEIVER
15	EP1235414B1	EP01938721.6	Completed	DATA TRANSMITTING APPARATUS AND DATA RECEIVING APPARATUS
15	DE60108472.1	EP01938721.6	Patent	DATA TRANSMITTING APPARATUS AND DATA RECEIVING APPARATUS
15	FREP1235414B1	EP01938721.6	Patent	DATA TRANSMITTING APPARATUS AND DATA RECEIVING APPARATUS
15	GBEP1235414B1	EP01938721.6	Patent	DATA TRANSMITTING APPARATUS AND DATA RECEIVING APPARATUS
15	CN1208936C	CN01801892.0	Patent	Data transmitting appts. and data receiving appts.
15	AU6430901	AU200164309D	Lapsed	Data transmitting apparatus and data receiving apparatus

15	WO2002005515	WOPCT/JP01/05178	National phase completed	DATA TRANSMITTING APPARATUS AND DATA RECEIVING APPARATUS
16	US8325845	US13034348	Patent	Constellation rearrangement for ARQ transmit diversity schemes
16	US7567622	US11633421	Patent	Constellation rearrangement for ARQ transmit diversity schemes
16	US7154961	US10501906	Patent	Constellation rearrangement for ARQ transmit diversity schemes
16	KR100789042B1	KR20047012008A	Patent	CONSTELLATION REARRANGEMENT FOR ARQ TRANSMIT DIVERSITY SCHEMES
16	JP3885078B2	JP2004543995A	Patent	CONSTELLATION REARRANGEMENT FOR ARQ TRANSMIT DIVERSITY SCHEMES
16	EP1552639B1	EP02790298.0	Completed	CONSTELLATION REARRANGEMENT FOR ARQ TRANSMIT DIVERSITY SCHEMES
16	DE60224588.5	02790298.0	Patent	CONSTELLATION REARRANGEMENT FOR ARQ TRANSMIT DIVERSITY SCHEMES
16	GBEP1552639	02790298.0	Patent	CONSTELLATION REARRANGEMENT FOR ARQ TRANSMIT DIVERSITY SCHEMES
16	FREP1552639	02790298.0	Patent	CONSTELLATION REARRANGEMENT FOR ARQ TRANSMIT DIVERSITY SCHEMES
16	CN1620776B	CN02828081.4	Patent	Constellation resetting of automatically repeat requesting transmitting diversity scheme
16	WO2004036818	WOPCT/EP02/11694	National phase completed	Constellation resetting of automatically repeat requesting transmitting diversity scheme
16	US20090262858	US12/490096	Abandoned	CONSTELLATION REARRANGEMENT FOR ARQ TRANSMIT DIVERSITY SCHEMES
16	AT383689T		Ceased	CONSTELLATION REARRANGEMENT FOR ARQ TRANSMIT DIVERSITY SCHEMES
16	AU2002368296A		Lapsed	CONSTELLATION REARRANGEMENT FOR ARQ TRANSMIT DIVERSITY SCHEMES

16	EP1903711A	EP08000127.4	Publication	Constellation rearrangement for ARQ transit diversity schemes
16	EP2259478A	EP10178455.1	Publication	Constellation rearrangement for ARQ transmit diversity schemes
17	US7369621	US10516182	Patent	Radio communication base station device, radio communication mobile station device, and radio communication method
17	KR100653668B1	KR20047015800A	Lapsed	RADIO COMMUNICATION BASE STATION DEVICE, RADIO COMMUNICATION MOBILE STATION DEVICE, AND RADIO COMMUNICATION METHOD
17	JP3840435B2	JP2002197772A	Lapsed	RADIO COMMUNICATION BASE STATION DEVICE, RADIO COMMUNICATION MOBILE STATION DEVICE AND RADIO COMMUNICATION METHOD
17	CN100448181C	CN3815944.9A	Ceased	Radio communication base station device, radio communication mobile station device, and radio communication method
17	AU2003281444A		Lapsed	RADIO COMMUNICATION BASE STATION DEVICE, RADIO COMMUNICATION MOBILE STATION DEVICE, AND RADIO COMMUNICATION METHOD
17	EP1531560A	EP03741176.6	Withdrawn	RADIO COMMUNICATION BASE STATION DEVICE, RADIO COMMUNICATION MOBILE STATION DEVICE, AND RADIO COMMUNICATION METHOD
17	WO2004006469	WOPCT/JP03/08458	National phase completed	RADIO COMMUNICATION BASE STATION DEVICE, RADIO COMMUNICATION MOBILE STATION DEVICE, AND RADIO COMMUNICATION METHOD
17	IN214981	IN13/KOLNP/2005	Lapsed	RADIO COMMUNICATION BASE STATION DEVICE, RADIO COMMUNICATION MOBILE STATION DEVICE, AND RADIO COMMUNICATION METHOD
18	US7502593	US10521243	Patent	Radio communication system
18	KR100794422B1	KR20057019903A	Lapsed	RADIO COMMUNICATION SYSTEM
18	JP4167536B2	JP2003122544A	Lapsed	RADIO COMMUNICATION SYSTEM
18	ZA200508594A	ZA20058594A	Abandoned	Radio communication system
18	BR200409712A	BRPI409712-2A	Lapsed	Radio communication system

18	WO2004098227	WOPCT/JP04/05993	National phase completed	RADIO COMMUNICATION SYSTEM
18	EP1619918A	EP04729511.8	Withdrawn	RADIO COMMUNICATION SYSTEM
18	PH1-2005-501765	PH1-2005-501765	Abandoned	RADIO COMMUNICATION SYSTEM
18	CN100463571	CN200480000557.X	Lapsed	Radio communication system
19	US7529567	US11193624	Patent	Radio telephone apparatus and method for controlling amount of electric current consumption thereof
19	JP2006050054A	JP2004225366A	Withdrawn	RADIO TELEPHONE DEVICE AND METHOD OF CONTROLLING ITS CONSUMPTION CURRENT
20	US7593516	US11242830	Patent	Electronic apparatus
20	JP2006134287A	JP200552833A	Refused	ELECTRONIC APPARATUS
20		JP2004294807A	Withdrawn	N/A
21	US7797011	US11718472	Patent	Communication method and communication equipment in the PoC service
21	JP4672334B2	JP2004320745A	Patent	COMMUNICATION PROGRAM AND COMMUNICATION TERMINAL
21	WO2006049128	WOPCT/JP05/20011	National phase completed	COMMUNICATION PROGRAM AND COMMUNICATION TERMINAL
21	EP1809060A	EP05805445.3	Withdrawn	COMMUNICATION PROGRAM AND COMMUNICATION TERMINAL
22	US7848459	US11911700	Patent	Radio receiving apparatus and radio receiving method
22	KR10-901046B1	KR20077022822A	Lapsed	RADIO RECEIVING APPARATUS AND RADIO RECEIVING METHOD
22	JP4891231B2	JP2007514544A	Patent	RADIO RECEIVING APPARATUS AND RADIO RECEIVING METHOD
22	CN101160763B	CN200680012889.9A	Patent	Radio receiving apparatus and radio receiving method
22		JP2005119828A	Withdrawn	Radio receiving apparatus and radio receiving method
22	WO2006115030	WOPCT/JP06/307583	National phase completed	RADIO RECEIVING APPARATUS AND RADIO RECEIVING METHOD
22	EP1865636A	EP06731530.9	Withdrawn	RADIO RECEIVING APPARATUS AND RADIO RECEIVING METHOD
23	US8145128	US11911335	Patent	Wireless reception apparatus, wireless transmission apparatus, wireless communication system, wireless reception method, wireless transmission

				method, and wireless communication method
23	JP4445554B2	JP2007545768A	Patent	WIRELESS RECEPTION APPARATUS, WIRELESS TRANSMISSION APPARATUS, WIRELESS COMMUNICATION SYSTEM, WIRELESS RECEPTION METHOD, WIRELESS TRANSMISSION METHOD, AND WIRELESS COMMUNICATION METHOD
23	WO2006112032	WOPCT/JP05/07582	National phase completed	WIRELESS RECEPTION APPARATUS, WIRELESS TRANSMISSION APPARATUS, WIRELESS COMMUNICATION SYSTEM, WIRELESS RECEPTION METHOD, WIRELESS TRANSMISSION METHOD, AND WIRELESS COMMUNICATION METHOD
23		EP05734300.6	Withdrawn	WIRELESS RECEPTION APPARATUS, WIRELESS TRANSMISSION APPARATUS, WIRELESS COMMUNICATION SYSTEM, WIRELESS RECEPTION METHOD, WIRELESS TRANSMISSION METHOD, AND WIRELESS COMMUNICATION METHOD
24	US8195175	US12159370	Patent	Method for verifications and fast QoS establishment
24	JP4774438B2	JP2008531464A	Lapsed	METHOD FOR VERIFICATIONS AND FAST QOS ESTABLISHMENT
24	EP1967031B1	EP05824569.7	Lapsed	METHOD FOR VERIFICATIONS AND FAST QOS ESTABLISHMENT
24	DE60200501948 5.1	05824569.7	Lapsed	METHOD FOR VERIFICATIONS AND FAST QOS ESTABLISHMENT
24	FREP1967031	05824569.7	Lapsed	METHOD FOR VERIFICATIONS AND FAST QOS ESTABLISHMENT
24	GBEP1967031	05824569.7	Lapsed	METHOD FOR VERIFICATIONS AND FAST QOS ESTABLISHMENT
24	WO2007077618	WOPCT/JP05/24282	National phase completed	METHOD FOR VERIFICATIONS AND FAST QOS ESTABLISHMENT

25	US8331395	US12057204	Patent	Communication apparatus, communication system, and communication control method
25	JP4777286B2	JP200782197A	Lapsed	COMMUNICATIONS DEVICE, COMMUNICATION SYSTEM AND METHOD FOR CONTROLLING COMMUNICATION
25	EP2140621B1	EP08739758.4	Completed	COMMUNICATION APPARATUS, COMMUNICATION SYSTEM, AND COMMUNICATION CONTROL
25	DE60200801802 6.3	EP08739758.4	Patent	COMMUNICATION APPARATUS, COMMUNICATION SYSTEM, AND COMMUNICATION CONTROL
25	FREP2140621	EP08739758.4	Patent	COMMUNICATION APPARATUS, COMMUNICATION SYSTEM, AND COMMUNICATION CONTROL
25	GBEP2140621	EP08739758.4	Ceased	COMMUNICATION APPARATUS, COMMUNICATION SYSTEM, AND COMMUNICATION CONTROL
25	WO2008123579	WOPCT/JP08/56651	National phase completed	COMMUNICATION APPARATUS, COMMUNICATION SYSTEM, AND COMMUNICATION CONTROL METHOD