

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT4325173

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	RELEASE OF SECURITY INTEREST
CONVEYING PARTY DATA	
Name	Execution Date
SILICON VALLEY BANK	02/13/2017
GOLD HILL VENTURE LENDING 03, LP	02/13/2017
RECEIVING PARTY DATA	
Name:	RUCKUS WIRELESS, INC.
Street Address:	130 HOLGER WAY
City:	SAN JOSE
State/Country:	CALIFORNIA
Postal Code:	95134
PROPERTY NUMBERS Total: 75	
Property Type	Number
Application Number:	11010076
Application Number:	11022080
Application Number:	11041145
Application Number:	11180329
Application Number:	11232196
Application Number:	11265751
Application Number:	11267477
Application Number:	11413293
Application Number:	11413461
Application Number:	11413670
Application Number:	11414117
Application Number:	11474057
Application Number:	11607619
Application Number:	11646136
Application Number:	11714707
Application Number:	11788371
Application Number:	11789446
Application Number:	11799458
Application Number:	11841619

PATENT

Property Type	Number
Application Number:	11877465
Application Number:	11924082
Application Number:	11938240
Application Number:	11971210
Application Number:	11985865
Application Number:	11985866
Application Number:	12008715
Application Number:	12018894
Application Number:	12082090
Application Number:	12181274
Application Number:	12212855
Application Number:	12283223
Application Number:	12339688
Application Number:	12396439
Application Number:	12404127
Application Number:	12425374
Application Number:	12545758
Application Number:	12545796
Application Number:	12562061
Application Number:	12575422
Application Number:	12604832
Application Number:	12605256
Application Number:	12718987
Application Number:	12719006
Application Number:	12845089
Application Number:	12851472
Application Number:	12887448
Application Number:	12938316
Application Number:	12947800
Application Number:	12947803
Application Number:	12953324
Application Number:	12980253
Application Number:	13019214
Application Number:	13037250
Application Number:	13191383
Application Number:	29233156
Application Number:	29292091
Application Number:	29292117

Property Type	Number
Application Number:	29292464
Application Number:	29307082
Application Number:	95001078
Application Number:	95001079
Application Number:	61481203
PCT Number:	US1056908
PCT Number:	US0814148
PCT Number:	US0709836
PCT Number:	US0709503
PCT Number:	US0709278
PCT Number:	US0709276
PCT Number:	US0649211
PCT Number:	US0645893
PCT Number:	US0626418
PCT Number:	US0527169
PCT Number:	US0539760
PCT Number:	US0527023
PCT Number:	US0526933

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.

Phone: 4083332303

Email: bhsieh@brocade.com

Correspondent Name: BROCADE COMMUNICATIONS SYSTEMS, INC.

Address Line 1: JAMES E. PARSONS - LEGAL DEPARTMENT

Address Line 2: 130 HOLGER WAY

Address Line 4: SAN JOSE, CALIFORNIA 95134

NAME OF SUBMITTER:	BRANDON HSIEH
SIGNATURE:	/Brandon Hsieh/
DATE SIGNED:	03/17/2017

Total Attachments: 16

source=Termination and Release of Intellectual Property Security Agreement by S#page1.tif

source=Termination and Release of Intellectual Property Security Agreement by S#page2.tif

source=Termination and Release of Intellectual Property Security Agreement by S#page3.tif

source=Termination and Release of Intellectual Property Security Agreement by S#page4.tif

source=Termination and Release of Intellectual Property Security Agreement by S#page5.tif

source=Termination and Release of Intellectual Property Security Agreement by S#page6.tif

source=Termination and Release of Intellectual Property Security Agreement by S#page7.tif

source=Termination and Release of Intellectual Property Security Agreement by S#page8.tif

source=Termination and Release of Intellectual Property Security Agreement by S#page9.tif
source=Termination and Release of Intellectual Property Security Agreement by S#page10.tif
source=Termination and Release of Intellectual Property Security Agreement by S#page11.tif
source=Termination and Release of Intellectual Property Security Agreement by S#page12.tif
source=Termination and Release of Intellectual Property Security Agreement by S#page13.tif
source=Termination and Release of Intellectual Property Security Agreement by S#page14.tif
source=Termination and Release of Intellectual Property Security Agreement by S#page15.tif
source=Termination and Release of Intellectual Property Security Agreement by S#page16.tif

**TERMINATION AND RELEASE OF
INTELLECTUAL PROPERTY SECURITY AGREEMENT**

THIS TERMINATION AND RELEASE OF INTELLECTUAL PROPERTY SECURITY AGREEMENT (this "Termination"), dated as of February 13, 2017, is executed by GOLD HILL VENTURE LENDING 03, LP, a Delaware limited partnership ("Gold Hill"), and SILICON VALLEY BANK, a California corporation ("SVB") (SVB and Gold Hill each individually a "Lender", and collectively the "Lenders"), in favor of RUCKUS WIRELESS, INC., a Delaware corporation ("Borrower"). All capitalized terms used in this Termination and not otherwise defined herein, shall have the respective meanings given to such terms in the Security Agreement (defined below).

RECITALS

A. Pursuant to that certain Intellectual Property Security Agreement dated as of September 27, 2011 (the "Security Agreement"), executed by Borrower in favor of Lenders, Borrower granted to Lenders a security interest in the IP Collateral (defined below).

B. The Security Agreement was recorded with the Patent Assignment Recordation Branch of the United States Patent and Trademark Office on October 14, 2011, at Reel/Frame 027063/0412-0438, to evidence the security interest granted under the Security Agreement.

C. The Security Agreement was recorded with the Trademark Assignment Recordation Branch of the United States Patent and Trademark Office on October 14, 2011, at Reel/Frame 004641/0765-0789, to evidence the security interest granted under the Security Agreement.

D. Each Lender agrees that Borrower satisfied its obligations under the Loan Agreement and related documentation and to termination and release of Lenders' security interest in the IP Collateral.

AGREEMENT

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, Lenders hereby agree as follows:

(a) Lenders expressly terminate and release the security interests held by Lenders and all of Lenders' right, title and interest in, to and under the following (collectively, the "IP Collateral"):

(i) Any and all copyright rights, copyright applications, copyright registrations and like protections in each work of authorship and derivative work thereof, whether published or unpublished and whether or not the same also constitutes a trade secret, existing, created, acquired or held by Borrower from the beginning of time to the effective date of this Termination, including without limitation those copyrights set forth on Exhibit A attached hereto (collectively, the "Copyrights");

(ii) Any and all know-how, operating manuals, trade secrets, rights to unpatented inventions, and any and all intellectual property rights in computer software and computer software products, existing, created, acquired or held by Borrower from the beginning of time to the effective date of this Termination;

(iii) Any and all design rights that may be available to Borrower existing, created, acquired or held by Borrower from the beginning of time to the effective date of this Termination;

(iv) All patents, patent applications and like protections including, without limitation, improvements, divisions, continuations, renewals, reissues, extensions and continuations-in-part

of the same, existing, created, acquired or held by Borrower from the beginning of time to the effective date of this Termination, including without limitation the patents and patent applications set forth on Exhibit B attached hereto (collectively, the "**Patents**");

(v) Any trademark and service mark rights, whether registered or not, applications to register and registrations of the same and like protections, and the entire goodwill of the business of Borrower connected with and symbolized by such trademarks existing, created, acquired or held by Borrower from the beginning of time to the effective date of this Termination, including without limitation those trademarks set forth on Exhibit C attached hereto (collectively, the "**Trademarks**");

(vi) All mask works or similar rights available for the protection of semiconductor chips, existing, created, acquired or held by Borrower from the beginning of time to the effective date of this Termination, including, without limitation those works set forth on Exhibit D attached hereto (collectively, the "**Mask Works**");

(vii) Any and all claims for damages by way of past, present and future infringements of any of the rights included above, with the right, but not the obligation, to sue for and collect such damages for said use or infringement of the intellectual property rights identified above;

(viii) All licenses or other rights to use any of the Copyrights, Patents, Trademarks, or Mask Works and all license fees and royalties arising from such use to the extent permitted by such licenses or rights;

(ix) All amendments, extensions, renewals and extensions of any of the Copyrights, Trademarks, Patents, or Mask Works; and

(x) All proceeds and products of the foregoing, including without limitation all payments under insurance or any indemnity or warranty payable in respect of any of the foregoing.

[Signature Page Follows]

IN WITNESS WHEREOF, Lenders have executed and delivered this Termination as of the day and year first above written.

GOLD HILL VENTURE LENDING 03, LP



Name: Sean Lyden
Title: Partner

SILICON VALLEY BANK



Name: Rebecca Kinsella
Title: Vice President

EXHIBIT A

Copyrights

<u>Description</u>	<u>Country</u>	<u>Registration/ Application Number</u>	<u>Registration/ Application Date</u>
NONE	N/A	N/A	N/A

EXHIBIT B

Patents

<u>Description</u>	<u>Country</u>	<u>Registration/ Application Number</u>	<u>Registration/ Application Date</u>
SYSTEM AND METHOD FOR AN OMNIDIRECTIONAL PLANAR ANTENNA APPARATUS WITH SELECTABLE ELEMENTS	United States	7292198 (11010076)	11/06/2007 (12/09/2004)
CIRCUIT BOARD HAVING A PERIPHERAL ANTENNA APPARATUS WITH SELECTABLE ANTENNA ELEMENTS	United States	7193562 (11022080)	03/20/2007 (12/23/2004)
SYSTEM AND METHOD FOR A MINIMIZED ANTENNA APPARATUS WITH SELECTABLE ELEMENTS	United States	7362280 (11041145)	04/22/2008 (01/21/2005)
SYSTEM AND METHOD FOR TRANSMISSION PARAMETER CONTROL FOR AN ANTENNA APPARATUS WITH SELECTABLE ELEMENTS	United States	7899497 (11180329)	03/01/2011 (07/12/2005)
SYSTEMS AND METHODS FOR IMPROVED DATA THROUGHPUT IN COMMUNICATIONS NETWORKS	United States	7505447 (11232196)	03/17/2009 (09/20/2005)
CIRCUIT BOARD HAVING A PERIPHERAL ANTENNA APPARATUS WITH SELECTABLE ANTENNA ELEMENTS AND SELECTABLE PHASE SHIFTING	United States	7498999 (11265751)	03/03/2009 (11/01/2005)
INCREASING RELIABLE DATA THROUGHPUT IN A WIRELESS NETWORK	United States	9240868 (11267477)	01/19/2016 (11/04/2005)
Coverage enhancement using dynamic antennas	United States	8792414 (11413293)	07/29/2014 (04/28/2006)
COVERAGE ANTENNA APPARATUS WITH SELECTABLE HORIZONTAL AND VERTICAL POLARIZATION ELEMENTS	United States	7358912 (11413461)	04/15/2008 (04/28/2006)
PIN DIODE NETWORK FOR MULTIBAND RF COUPLING	United States	7639106 (11413670)	12/29/2009 (04/28/2006)
MULTIBAND OMNIDIRECTIONAL PLANAR ANTENNA APPARATUS WITH SELECTABLE ELEMENTS	United States	7652632 (11414117)	01/26/2010 (04/28/2006)
TRANSMISSION AND RECEPTION PARAMETER CONTROL	United States	7933628 (11474057)	04/26/2011 (06/23/2006)
ON-DEMAND SERVICES BY WIRELESS BASE STATION VIRTUALIZATION	United States	8009644 (11607619)	08/30/2011 (12/01/2006)

<u>Description</u>	<u>Country</u>	<u>Registration/ Application Number</u>	<u>Registration/ Application Date</u>
ANTENNAS WITH POLARIZATION DIVERSITY	United States	7498996 (11646136)	03/03/2009 (12/26/2006)
INCREASED WIRELESS COVERAGE PATTERNS	United States	7525486 (11714707)	04/28/2009 (03/05/2007)
DYNAMIC AUTHENTICATION IN SECURED WIRELESS NETWORKS	United States	7788703 (11788371)	08/31/2010 (04/18/2007)
PROVISIONED CONFIGURATION FOR AUTOMATIC WIRELESS CONNECTION	United States	9071583 (11789446)	06/30/2015 (04/23/2007)
REDUCING STRAY CAPACITANCE IN ANTENNA ELEMENT SWITCHING	United States	7696946 (11799458)	04/13/2010 (04/30/2007)
CLOSED-LOOP AUTOMATIC CHANNEL SELECTION	United States	8670725 (11841619)	03/11/2014 (08/20/2007)
ANTENNA WITH SELECTABLE ELEMENTS FOR USE IN WIRELESS COMMUNICATIONS	United States	9019165 (11877465)	04/28/2015 (10/23/2007)
MINIMIZED ANTENNA APPARATUS WITH SELECTABLE ELEMENTS	United States	7511680 (11924082)	03/31/2009 (10/25/2007)
MULTIPLE-INPUT MULTIPLE-OUTPUT WIRELESS ANTENNAS	United States	7646343 (11938240)	01/12/2010 (11/09/2007)
PATTERN SHAPING OF RF EMISSION PATTERNS	United States	7893882 (11971210)	02/22/2011 (01/08/2008)
COMMUNICATIONS THROUGHPUT WITH UNICAST PACKET TRANSMISSION ALTERNATIVE	United States	8125975 (11985865)	02/28/2012 (11/16/2007)
COMMUNICATIONS THROUGHPUT WITH MULTIPLE PHYSICAL DATA RATE TRANSMISSION DETERMINATIONS	United States	7787436 (11985866)	08/31/2010 (11/16/2007)
DETERMINING ASSOCIATIONS IN A MESH NETWORK	United States	8355343 (12008715)	01/15/2013 (01/11/2008)
HORIZONTAL MULTIPLE-INPUT MULTIPLE- OUTPUT WIRELESS ANTENNAS	United States	7675474 (12018894)	03/09/2010 (01/24/2008)
COVERAGE ANTENNA APPARATUS WITH SELECTABLE HORIZONTAL AND VERTICAL POLARIZATION ELEMENTS	United States	8068068 (12082090)	11/29/2011 (04/07/2008)
WIRELESS NETWORK THROUGHPUT ENHANCEMENT THROUGH CHANNEL AWARE SCHEDULING	United States	8547899 (12181274)	10/01/2013 (07/28/2008)

<u>Description</u>	<u>Country</u>	<u>Registration/ Application Number</u>	<u>Registration/ Application Date</u>
VERTICAL MULTIPLE-INPUT MULTIPLE- OUTPUT WIRELESS ANTENNAS	United States	12212855	09/18/2008
TRANSMISSION PARAMETER CONTROL FOR AN ANTENNA APPARATUS WITH SELECTABLE ELEMENTS	United States	7877113 (12283223)	01/25/2011 (09/09/2008)
DYNAMIC AUTHENTICATION IN SECURED WIRELESS NETWORKS	United States	7669232 (12339688)	02/23/2010 (12/19/2008)
ANTENNAS WITH POLARIZATION DIVERSITY	United States	7880683 (12396439)	02/01/2011 (03/02/2009)
ADJUSTMENT OF RADIATION PATTERNS UTILIZING A POSITION SENSOR	United States	8217843 (12404127)	07/10/2012 (12404127)
ANTENNA ARRAY	United States	12425374	04/16/2009
Mountable Antenna Elements for Dual Band Antenna	United States	8698675 (12545758)	04/15/2014 (08/21/2009)
TRANSMISSION AND RECEPTION PARAMETER CONTROL	United States	9153876 (12545796)	10/06/2015 (08/21/2009)
Coverage Enhancement Using Dynamic Antennas and Virtual Access Points	United States	9344161 (12562061)	05/17/2016 (09/17/2009)
TRANSMISSION AND RECEPTION PARAMETER CONTROL	United States	8594734 (12575422)	11/26/2013 (10/07/2009)
DUAL POLARIZATION ANTENNA ARRAY WITH INCREASED WIRELESS COVERAGE	United States	7965252 (12604832)	06/21/2011 (10/23/2009)
DUAL BAND DUAL POLARIZATION ANTENNA ARRAY	United States	8031129 (12605256)	10/04/2011 (10/23/2009)
MAC BASED MAPPING IN IP BASED COMMUNICATIONS	United States	8638708 (12718987)	01/28/2014 (03/07/2010)
DISTRIBUTED ACCESS POINT FOR IP BASED COMMUNICATIONS	United States	8089949 (12719006)	01/03/2012 (03/08/2010)
DYNAMIC AUTHENTICATION IN SECURED WIRELESS NETWORKS	United States	8272036 (12845089)	09/18/2012 (07/28/2010)
ANTENNA ARRAY	United States	7864119 (12851472)	01/04/2011 (08/05/2010)
Antenna with Dual Polarization and Mountable Antenna Elements	United States	9407012 (12887448)	08/02/2016 (09/21/2010)

<u>Description</u>	<u>Country</u>	<u>Registration/ Application Number</u>	<u>Registration/ Application Date</u>
UNICAST TO MULTICAST CONVERSION	United States	8619662 (12938316)	12/31/2013 (12938316)
Establishing a Mesh Network with Wired and Wireless Links	United States	12947800	11/16/2010
Determining Role Assignment in a Hybrid Mesh Network	United States	12947803	11/16/2010
PATTERN SHAPING OF RF EMISSION PATTERNS	United States	8085206 (12953324)	12/27/2011 (11/23/2010)
ANTENNA WITH SELECTABLE ELEMENTS FOR USE IN WIRELESS COMMUNICATIONS	United States	12980253	12/28/2010
ANTENNA WITH POLARIZATION DIVERSITY	United States	9077071 (13019214)	07/07/2015 (02/01/2011)
SYSTEM AND METHOD FOR TRANSMISSION PARAMETER CONTROL FOR AN ANTENNA APPARATUS WITH SELECTABLE ELEMENTS	United States	8150470 (13037250)	04/03/2012 (02/28/2011)
ON-DEMAND SERVICES BY WIRELESS BASE STATION VIRTUALIZATION	United States	8605697 (13191383)	12/10/2013 (07/26/2011)
WIRELESS LOCAL AREA NETWORK DEVICE	United States	D532001 (29233156)	11/14/2006 (06/28/2005)
WIRELESS ACCESS POINT	United States	D596628 (29292091)	07/21/2009 (09/26/2007)
WIRELESS ACCESS POINT COVER	United States	D595705 (29292117)	07/07/2009 (09/27/2007)
WIRELESS ACCESS POINT BASE	United States	D596168 (29292464)	07/14/2009 (10/12/2007)
WIRELESS ACCESS POINT	United States	D596635 (29307082)	07/21/2009 (03/27/2008)
Circuit Board Having a Peripheral Antenna Apparatus with Selectable Antenna Elements	United States	95001078	09/04/2008
Coverage Antenna Apparatus with Selectable Horizontal and Vertical Polarization Elements	United States	95001079	09/04/2008
REMOTE CABLE ACCESS POINT RESET	United States	61481203	05/01/2011
ESTABLISHING A MESH NETWORK WITH WIRED AND WIRELESS LINKS	United States	PCT/US2010/056908	11/16/2010

<u>Description</u>	<u>Country</u>	<u>Registration/ Application Number</u>	<u>Registration/ Application Date</u>
DETERMINING ASSOCIATIONS IN A MESH NETWORK	United States	PCT/US2008/014148	12/30/2008
PROVISIONED CONFIGURATION FOR AUTOMATIC WIRELESS CONNECTION	United States	PCT/US2007/009836	04/23/2007
DYNAMIC AUTHENTICATION IN SECURED WIRELESS NETWORKS	United States	PCT/US2007/009503	04/18/2007
PIN DIODE NETWORK FOR MULTIBAND RF COUPLING	United States	PCT/US2007/009278	04/12/2007
MULTIBAND OMNIDIRECTIONAL PLANAR ANTENNA APPARATUS WITH SELECTABLE ELEMENTS	United States	PCT/US2007/009276	04/12/2007
ANTENNAS WITH POLARIZATION DIVERSITY	United States	PCT/US2006/049211	12/26/2006
ON-DEMAND SERVICES BY WIRELESS BASE STATION VIRTUALIZATION	United States	PCT/US2006/045893	12/01/2006
COVERAGE ENHANCEMENT USING DYNAMIC ANTENNAS	United States	PCT/US2006/026418	07/07/2006
CIRCUIT BOARD HAVING A PERIPHERAL ANTENNA APPARATUS WITH SELECTABLE ANTENNA ELEMENTS	United States	PCT/US2005/027169	07/29/2005
SYSTEMS AND METHODS FOR IMPROVED DATA THROUGHPUT IN COMMUNICATIONS NETWORKS	United States	PCT/US2005/039760	11/04/2005
SYSTEM AND METHOD FOR AN OMNIDIRECTIONAL PLANAR ANTENNA APPARATUS WITH SELECTABLE ELEMENTS	United States	PCT/US2005/027023	07/29/2005
SYSTEM AND METHOD FOR TRANSMISSION PARAMETER CONTROL FOR AN ANTENNA APPARATUS WITH SELECTABLE ELEMENTS	United States	PCT/US2005/026933	07/29/2005
PIN DIODE NETWORK FOR MULTIBAND RF COUPLING	China	200780023325.X	04/12/2007
PIN DIODE NETWORK FOR MULTIBAND RF COUPLING	European Patent Convention	07755519.1	04/12/2007
PIN DIODE NETWORK FOR MULTIBAND RF COUPLING	Taiwan	096114271	04/23/2007
ADJUSTMENT OF RADIATION PATTERNS UTILIZING A POSITION SENSOR	China	200910358884.X	12/29/2009

<u>Description</u>	<u>Country</u>	<u>Registration/ Application Number</u>	<u>Registration/ Application Date</u>
ADJUSTMENT OF RADIATION PATTERNS UTILIZING A POSITION SENSOR	European Patent Convention	09014989.9	12/03/2009
WIRELESS LOCAL AREA NETWORK DEVICE	Taiwan	D113194 (094304938)	10/01/2006 (08/16/2005)
WIRELESS ACCESS POINT	European Community	000882725	02/20/2008
WIRELESS ACCESS POINT	China	ZL200830210510.7 (200830210510.7)	02/10/2010 (09/27/2008)
WIRELESS ACCESS POINT	European Community	001009500 (001009500)	10/06/2008 (09/26/2008)
WIRELESS ACCESS POINT	Taiwan	D136568 (097305653)	08/21/2010 (09/26/2008)
WIRELESS ACCESS POINT	Taiwan	D138206 (098305230)	12/11/2010 (11/05/2009)
SYSTEM AND METHOD FOR AN OMNIDIRECTIONAL PLANAR ANTENNA APPARATUS WITH SELECTABLE ELEMENTS	China	200580001532.6	07/29/2005
SYSTEM AND METHOD FOR AN OMNIDIRECTIONAL PLANAR ANTENNA APPARATUS WITH SELECTABLE ELEMENTS	China	200780020943.9	12/05/2008
SYSTEM AND METHOD FOR AN OMNIDIRECTIONAL PLANAR ANTENNA APPARATUS WITH SELECTABLE ELEMENTS	European Patent Convention	EP1782499 (05776913.5)	02/03/2006 (07/29/2005)
SYSTEM AND METHOD FOR AN OMNIDIRECTIONAL PLANAR ANTENNA APPARATUS WITH SELECTABLE ELEMENTS	European Patent Convention	07775498.4	04/12/2007
SYSTEM AND METHOD FOR AN OMNIDIRECTIONAL PLANAR ANTENNA APPARATUS WITH SELECTABLE ELEMENTS	Hong Kong	1097111A (07104499.14)	06/15/2007 (04/27/2007)
SYSTEM AND METHOD FOR AN OMNIDIRECTIONAL PLANAR ANTENNA APPARATUS WITH SELECTABLE ELEMENTS	Taiwan	094127953	08/16/2005
SYSTEM AND METHOD FOR AN OMNIDIRECTIONAL PLANAR ANTENNA APPARATUS WITH SELECTABLE ELEMENTS	Taiwan	096114265	04/23/2007

<u>Description</u>	<u>Country</u>	<u>Registration/ Application Number</u>	<u>Registration/ Application Date</u>
SYSTEM AND METHOD FOR A MINIMIZED ANTENNA APPARATUS WITH SELECTABLE ELEMENTS	China	200680048001.7	12/26/2006
SYSTEM AND METHOD FOR A MINIMIZED ANTENNA APPARATUS WITH SELECTABLE ELEMENTS	European Patent Convention	06848122.5-2220	12/26/2006
SYSTEM AND METHOD FOR A MINIMIZED ANTENNA APPARATUS WITH SELECTABLE ELEMENTS	India	1323/MUMNP/2008	12/26/2006
SYSTEM AND METHOD FOR TRANSMISSION PARAMETER CONTROL FOR AN ANTENNA APPARATUS WITH SELECTABLE ELEMENTS	China	20580001531.1	07/29/2005
SYSTEM AND METHOD FOR TRANSMISSION PARAMETER CONTROL FOR AN ANTENNA APPARATUS WITH SELECTABLE ELEMENTS	European Patent Convention	05776630.5-2412	07/29/2005
SYSTEM AND METHOD FOR TRANSMISSION PARAMETER CONTROL FOR AN ANTENNA APPARATUS WITH SELECTABLE ELEMENTS	Hong Kong	07104495.5	04/27/2007
SYSTEM AND METHOD FOR TRANSMISSION PARAMETER CONTROL FOR AN ANTENNA APPARATUS WITH SELECTABLE ELEMENTS	Taiwan	094127959	08/16/2005
SYSTEMS AND METHODS FOR IMPROVED DATA THROUGHPUT IN COMMUNICATIONS NETWORKS	Belgium	1759543 (05816101.4-2412)	02/11/2009 (11/04/2005)
SYSTEMS AND METHODS FOR IMPROVED DATA THROUGHPUT IN COMMUNICATIONS NETWORKS	China	2005-8000-1629.7	11/04/2005
SYSTEMS AND METHODS FOR IMPROVED DATA THROUGHPUT IN COMMUNICATIONS NETWORKS	Denmark	1759543 (05816101.4-2412)	02/11/2009 (11/04/2005)
SYSTEMS AND METHODS FOR IMPROVED DATA THROUGHPUT IN COMMUNICATIONS NETWORKS	European Patent Convention	1759543 (05816101.4-2412)	02/11/2009 (11/04/2005)
SYSTEMS AND METHODS FOR IMPROVED DATA THROUGHPUT IN COMMUNICATIONS NETWORKS	European Patent Convention	08021224.4	12/05/2008
SYSTEMS AND METHODS FOR IMPROVED DATA THROUGHPUT IN COMMUNICATIONS NETWORKS	European Patent Convention	10011798.5	09/29/2010

<u>Description</u>	<u>Country</u>	<u>Registration/ Application Number</u>	<u>Registration/ Application Date</u>
SYSTEMS AND METHODS FOR IMPROVED DATA THROUGHPUT IN COMMUNICATIONS NETWORKS	Finland	1759543 (05816101.4-2412)	02/11/2009 (11/04/2005)
SYSTEMS AND METHODS FOR IMPROVED DATA THROUGHPUT IN COMMUNICATIONS NETWORKS	France	1759543 (05816101.4-2412)	02/11/2009 (11/04/2005)
SYSTEMS AND METHODS FOR IMPROVED DATA THROUGHPUT IN COMMUNICATIONS NETWORKS	Germany	1759543 (05816101.4-2412)	02/11/2009 (11/04/2005)
SYSTEMS AND METHODS FOR IMPROVED DATA THROUGHPUT IN COMMUNICATIONS NETWORKS	Hong Kong	HK1096814 (07104205.6)	10/23/2009 (08/06/2009)
SYSTEMS AND METHODS FOR IMPROVED DATA THROUGHPUT IN COMMUNICATIONS NETWORKS	Hong Kong	11106973.5	07/06/2011
SYSTEMS AND METHODS FOR IMPROVED DATA THROUGHPUT IN COMMUNICATIONS NETWORKS	Hong Kong	10102094.9	02/26/2010
SYSTEMS AND METHODS FOR IMPROVED DATA THROUGHPUT IN COMMUNICATIONS NETWORKS	Ireland	1759543 (05816101.4-2412)	02/11/2009 (11/04/2005)
SYSTEMS AND METHODS FOR IMPROVED DATA THROUGHPUT IN COMMUNICATIONS NETWORKS	Sweden	1759543 (05816101.4-2412)	02/11/2009 (11/04/2005)
SYSTEMS AND METHODS FOR IMPROVED DATA THROUGHPUT IN COMMUNICATIONS NETWORKS	Switzerland	1759543 (05816101.4-2412)	02/11/2009 (11/04/2005)
SYSTEMS AND METHODS FOR IMPROVED DATA THROUGHPUT IN COMMUNICATIONS NETWORKS	Taiwan	094138836	11/04/2005
SYSTEMS AND METHODS FOR IMPROVED DATA THROUGHPUT IN COMMUNICATIONS NETWORKS	Taiwan	094138837	11/04/2005
SYSTEMS AND METHODS FOR IMPROVED DATA THROUGHPUT IN COMMUNICATIONS NETWORKS	United Kingdom	1759543 (05816101.4-2412)	02/11/2009 (11/04/2005)
CIRCUIT BOARD HAVING A PERIPHERAL ANTENNA APPARATUS WITH SELECTABLE ANTENNA ELEMENTS	China	2005-8000-1608.5	07/29/2005

<u>Description</u>	<u>Country</u>	<u>Registration/ Application Number</u>	<u>Registration/ Application Date</u>
CIRCUIT BOARD HAVING A PERIPHERAL ANTENNA APPARATUS WITH SELECTABLE ANTENNA ELEMENTS	European Patent Convention	05776697.4	07/29/2005
CIRCUIT BOARD HAVING A PERIPHERAL ANTENNA APPARATUS WITH SELECTABLE ANTENNA ELEMENTS	Hong Kong	07104718.6	07/29/2005
CIRCUIT BOARD HAVING A PERIPHERAL ANTENNA APPARATUS WITH SELECTABLE ANTENNA ELEMENTS	Taiwan	094127962	08/16/2005
CIRCUIT BOARD HAVING A PERIPHERAL ANTENNA APPARATUS WITH SELECTABLE ANTENNA ELEMENTS	Taiwan	094141018	11/22/2005
COVERAGE ENHANCEMENT USING DYNAMIC ANTENNAS	Taiwan	095125286	07/11/2006
ON-DEMAND SERVICES BY WIRELESS BASE STATION VIRTUALIZATION	China	200680045272.7	12/01/2006
ON-DEMAND SERVICES BY WIRELESS BASE STATION VIRTUALIZATION	European Patent Convention	06838713.3-1237	12/01/2006
DYNAMIC AUTHENTICATION IN SECURED WIRELESS NETWORKS	China	200780019074.8	04/23/2007
DYNAMIC AUTHENTICATION IN SECURED WIRELESS NETWORKS	China	200780019389.2	04/18/2007
DYNAMIC AUTHENTICATION IN SECURED WIRELESS NETWORKS	European Patent Convention	07755913.6-1246	04/23/2007
DYNAMIC AUTHENTICATION IN SECURED WIRELESS NETWORKS	European Patent Convention	07755678.5-1243	04/18/2007
ESTABLISHING A MESH NETWORK WITH WIRED AND WIRELESS LINKS	China	201080002467.X	11/16/2010
ESTABLISHING A MESH NETWORK WITH WIRED AND WIRELESS LINKS	European Patent Convention	10813061.8	11/16/2010
ESTABLISHING A MESH NETWORK WITH WIRED AND WIRELESS LINKS	India	793/CHENP/2011	11/16/2010
ESTABLISHING A MESH NETWORK WITH WIRED AND WIRELESS LINKS	Indonesia	W-00 2011 00594	11/16/2010

<u>Description</u>	<u>Country</u>	<u>Registration/ Application Number</u>	<u>Registration/ Application Date</u>
ESTABLISHING A MESH NETWORK WITH WIRED AND WIRELESS LINKS	Malaysia	PI2011000668	11/16/2010
ESTABLISHING A MESH NETWORK WITH WIRED AND WIRELESS LINKS	Philippines	1-2011-500365	11/16/2010
ESTABLISHING A MESH NETWORK WITH WIRED AND WIRELESS LINKS	Viet Nam	1-2011-00352	11/16/2010

EXHIBIT C

Trademarks

<u>Description</u>	<u>Country</u>	<u>Registration/ Application Number</u>	<u>Registration/ Application Date</u>
BEAMFLEX	United States	3262223 (78541004)	07/10/2007 (01/03/2005)
RUCKUS WIRELESS	United States	3280730 (78716261)	08/14/2007 (09/20/2005)
BEAMFLEX		WO0860656	07/02/2005

EXHIBIT D

Mask Works

<u>Description</u>	<u>Registration/ Application Number</u>	<u>Registration/ Application Date</u>
NONE	N/A	N/A