

TRADEMARK ASSIGNMENT

Electronic Version v1.1
 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	SECURITY INTEREST

CONVEYING PARTY DATA

Name	Formerly	Execution Date	Entity Type
RUCKUS WIRELESS, INC.		09/27/2011	CORPORATION: DELAWARE

RECEIVING PARTY DATA

Name:	GOLD HILL VENTURE LENDING 03
Street Address:	ONE ALMADEN BLVD
Internal Address:	SUITE 630
City:	SAN JOSE
State/Country:	CALIFORNIA
Postal Code:	95113
Entity Type:	LIMITED PARTNERSHIP: DELAWARE

Name:	SILICON VALLEY BANK
Street Address:	2400 HANOVER STREET
City:	PALO ALTO
State/Country:	CALIFORNIA
Postal Code:	94304
Entity Type:	CORPORATION: CALIFORNIA

PROPERTY NUMBERS Total: 2

Property Type	Number	Word Mark
Registration Number:	3280730	RUCKUS WIRELESS
Registration Number:	3262223	BEAMFLEX

CORRESPONDENCE DATA

Fax Number: (404)962-6729
 Email: jihan.jenkins@troutmansanders.com
Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US Mail.
 Correspondent Name: JIHAN A.R. JENKINS

900204660

**TRADEMARK
 REEL: 004641 FRAME: 0765**

CH \$65.00 3280730

Address Line 1: TROUTMAN SANDERS LLP
Address Line 2: 600 PEACHTREE STREET NE
Address Line 4: ATLANTA, GEORGIA 30308-2216

ATTORNEY DOCKET NUMBER: 031372.000040

NAME OF SUBMITTER: Jihan A.R. Jenkins

Signature: /Jihan A.R. Jenkins, Reg. #64415/

Date: 10/14/2011

Total Attachments: 23

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INTELLECTUAL PROPERTY SECURITY AGREEMENT

THIS INTELLECTUAL PROPERTY SECURITY AGREEMENT is entered into as of September ²⁷, 2011 by and among GOLD HILL VENTURE LENDING 03, LP ("Gold Hill") and SILICON VALLEY BANK, a California corporation ("SVB") (SVB and Gold Hill each individually a "Lender", and collectively the "Lenders"), SVB in its capacity as agent on behalf of the Lenders (the "Agent") and RUCKUS WIRELESS, INC., a Delaware corporation ("Grantor").

RECITALS

A. Lenders have made certain advances of money and extended certain financial accommodation to Grantor (the "Loans") in the amounts and manner set forth in that certain Loan and Security Agreement by and among Agent, Lenders and Grantor dated as of October 5, 2007 (as the same has been amended, modified, supplemented or restated, the "Loan Agreement"; capitalized terms used herein are used as defined in the Loan Agreement). Agent and Lenders are willing to enter into that certain Fifth Amendment to Loan and Security Agreement of even date herewith by and between Agent, Lenders and Grantor (the "Fifth Amendment"), but only upon the condition, among others, that effective on the Funding Date Grantor shall grant to Agent, for the ratable benefit of the Lenders, and to each Lender, a security interest in certain Copyrights, Trademarks, Patents, and Mask Works (as each term is described below) to secure the obligations of Grantor under the Loan Agreement.

B. Pursuant to the terms of the Loan Agreement and the Fifth Amendment, Grantor has granted to Agent, for the ratable benefit of the Lenders, and to each Lender, a security interest in all of Grantor's right, title and interest, whether presently existing or hereafter acquired, in, to and under all of the Collateral.

NOW, THEREFORE, for good and valuable consideration, receipt of which is hereby acknowledged, and intending to be legally bound, as collateral security for the prompt and complete payment when due of its obligations under the Loan Agreement, Grantor hereby represents, warrants, covenants and agrees as follows:

AGREEMENT

Effective on the Funding Date, to secure its obligations under the Loan Agreement, Grantor grants and pledges to Agent, for the ratable benefit of the Lenders, and to each Lender, a security interest in all of Grantor's right, title and interest in, to and under its intellectual property (all of which shall collectively be called the "Intellectual Property Collateral"), including, without limitation, the following:

(a) 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, now or hereafter existing, created, acquired or held, including without limitation those set forth on Exhibit A attached hereto (collectively, the "Copyrights");

(b) 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 now or hereafter existing, created, acquired or held;

(c) Any and all design rights that may be available to Grantor now or hereafter existing, created, acquired or held;

(d) All patents, patent applications and like protections including, without limitation, improvements, divisions, continuations, renewals, reissues, extensions and continuations-in-part of the same, including without limitation the patents and patent applications set forth on Exhibit B attached hereto (collectively, the "Patents");

(e) Any trademark and servicemark rights, whether registered or not, applications to register and registrations of the same and like protections, and the entire goodwill of the business of Grantor connected with and symbolized by such trademarks, including without limitation those set forth on Exhibit C attached hereto (collectively, the "Trademarks");

(f) All mask works or similar rights available for the protection of semiconductor chips, now owned or hereafter acquired, including, without limitation those set forth on Exhibit D attached hereto (collectively, the "Mask Works");

(g) 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;

(h) 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 license or rights;

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

(j) 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.

If for whatever reason the Bridge Loan is not made, then Agent's and Lenders' security interest will not attach to the Intellectual Property Collateral.

This security interest is granted in conjunction with the security interest granted to Agent, for the ratable benefit of the Lenders, and to each Lender, under the Loan Agreement. The rights and remedies of Lenders with respect to the security interest granted hereby are in addition to those set forth in the Loan Agreement and the other Loan Documents, and those which are now or hereafter available to Lenders as a matter of law or equity. Each right, power and remedy of Lenders provided for herein or in the Loan Agreement or any of the Loan Documents, or now or hereafter existing at law or in equity shall be cumulative and concurrent and shall be in addition to every right, power or remedy provided for herein and the exercise by Lenders of any one or

more of the rights, powers or remedies provided for in this Intellectual Property Security Agreement, the Loan Agreement or any of the other Loan Documents, or now or hereafter existing at law or in equity, shall not preclude the simultaneous or later exercise by any person, including Lenders, of any or all other rights, powers or remedies. This Intellectual Property Security Agreement and the security interest granted herein shall terminate upon the IP Release Date (as defined in the Fifth Amendment).

[Signature Page Follows.]

IN WITNESS WHEREOF, the parties have caused this Intellectual Property Security Agreement to be duly executed by its officers thereunto duly authorized as of the first date written above.

Address of Grantor:

880 West Maude Avenue, Suite 101
Sunnyvale, California 94085

Attn: Seamus Hennessy, CFO

GRANTOR:

RUCKUS WIRELESS, INC.

By: 

Name: Selina LO
Title: CEO

Address of Agent:

2400 Hanover Street
Palo Alto, California 94304

Attn: Teresa Li

AGENT:

SILICON VALLEY BANK

By: _____

Name:
Title:

Address of SVB:

One Almaden Blvd., Suite 630
San Jose, California 95113

Attn: Tim McDonough

LENDERS:

GOLD HILL VENTURE LENDING 03, LP

By: _____

Name:
Title:

Address of SVB:

2400 Hanover Street
Palo Alto, California 94304

Attn: Teresa Li

SILICON VALLEY BANK

By: _____

Name:
Title:

[Signature Page to Intellectual Property Security Agreement – SVB and Gold Hill]

TRADEMARK
REEL: 004641 FRAME: 0770

IN WITNESS WHEREOF, the parties have caused this Intellectual Property Security Agreement to be duly executed by its officers thereunto duly authorized as of the first date written above.

Address of Grantor:

880 West Maude Avenue, Suite 101
Sunnyvale, California 94085

Attn: Seamus Hennessy, CFO

GRANTOR:

RUCKUS WIRELESS, INC.

By: _____
Name:
Title:

Address of Agent:

2400 Hanover Street
Palo Alto, California 94304

Attn: Teresa Li

AGENT:

SILICON VALLEY BANK

By: _____
Name:
Title:

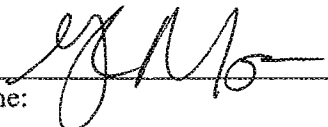
Address of SVB:

One Almaden Blvd., Suite 630
San Jose, California 95113

Attn: Tim McDonough

LENDERS:

GOLD HILL VENTURE LENDING 03, LP

By:  _____
Name:
Title:

Address of SVB:

2400 Hanover Street
Palo Alto, California 94304

Attn: Teresa Li

SILICON VALLEY BANK

By: _____
Name:
Title:

[Signature Page to Intellectual Property Security Agreement – SVB and Gold Hill]

TRADEMARK
REEL: 004641 FRAME: 0771

IN WITNESS WHEREOF, the parties have caused this Intellectual Property Security Agreement to be duly executed by its officers thereunto duly authorized as of the first date written above.

Address of Grantor:

880 West Maude Avenue, Suite 101
Sunnyvale, California 94085

Attn: Seamus Hennessy, CFO

GRANTOR:

RUCKUS WIRELESS, INC.

By: _____

Name:

Title:

Address of Agent:

2400 Hanover Street
Palo Alto, California 94304

Attn: Teresa Li

AGENT:

SILICON VALLEY BANK

By: Matthew Wright

Name: Matthew Wright

Title: RM

Address of SVB:

One Almaden Blvd., Suite 630
San Jose, California 95113

Attn: Tim McDonough

LENDERS:

GOLD HILL VENTURE LENDING 03, LP

By: _____

Name:

Title:

Address of SVB:

2400 Hanover Street
Palo Alto, California 94304

Attn: Teresa Li

SILICON VALLEY BANK

By: Matthew Wright

Name: Matthew Wright

Title: RM

[Signature Page to Intellectual Property Security Agreement – SVB and Gold Hill]

TRADEMARK
REEL: 004641 FRAME: 0772

EXHIBIT A

Copyrights

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

EXHIBIT B

CaseNumber Country	SubCase Case Type	Application Filing Date	Publication Publication Date	Patent Number Issue Date	Status Expiration Date
China (People's Republic)		200780023325.X 12-Apr-2007			
Title: PIN DIODE NETWORK FOR MULTIBAND RF COUPLING					
European Patent Convention		07755519.1 12-Apr-2007			
Title: PIN DIODE NETWORK FOR MULTIBAND RF COUPLING					
Taiwan		096114271 23-Apr-2007			
Title: PIN DIODE NETWORK FOR MULTIBAND RF COUPLING					
China (People's Republic)		200910358884.X 29-Dec-2009			
Title: ADJUSTMENT OF RADIATION PATTERNS UTILIZING A POSITION SENSOR					
European Patent Convention		09014989.9 03-Dec-2009			
Title: ADJUSTMENT OF RADIATION PATTERNS UTILIZING A POSITTON SENSOR					
Taiwan		094304938 16-Aug-2005		D113194 01-Oct-2006	14-Nov-2020
Title: WIRELESS LOCAL AREA NETWORK DEVICE					
European Community		000882725 20-Feb-2008		000882725 20-Feb-2008	20-Feb-2033
Title: WIRELESS ACCESS POINT					
China (People's Republic)		200830210510.7 27-Sep-2008		ZL200830210510.7 10-Feb-2010	27-Sep-2018
Title: WIRELESS ACCESS POINT					
European Community		001009500 26-Sep-2008		001009500 06-Oct-2008	26-Sep-2033
Title: WIRELESS ACCESS POINT					
Taiwan		097305653 26-Sep-2008		D136568 21-Aug-2010	21-Jul-2023
Title: WIRELESS ACCESS POINT					
Taiwan		098305230 05-Nov-2009		D138206 11-Dec-2010	21-Jul-2023
Title: WIRELESS ACCESS POINT					

CaseNumber Country	Sub Case Case Type	Application Filing Date	Publication Publication Date	Patent Number Issue Date	Status Expiration Date
China (People's Republic)		200580001532.6 29-Jul-2005			
Title: SYSTEM AND METHOD FOR AN OMNIDIRECTIONAL PLANAR ANTENNA APPARATUS WITH SELECTABLE ELEMENTS					
China (People's Republic)		200780020943.9 05-Dec-2008			
Title: SYSTEM AND METHOD FOR AN OMNIDIRECTIONAL PLANAR ANTENNA APPARATUS WITH SELECTABLE ELEMENTS					
European Patent Convention		05776913.5 29-Jul-2005	EP1782499 03-Feb-2006		
Title: SYSTEM AND METHOD FOR AN OMNIDIRECTIONAL PLANAR ANTENNA APPARATUS WITH SELECTABLE ELEMENTS					
European Patent Convention		07775498.4 12-Apr-2007			
Title: SYSTEM AND METHOD FOR AN OMNIDIRECTIONAL PLANAR ANTENNA APPARATUS WITH SELECTABLE ELEMENTS					
Hong Kong		07104499.14 27-Apr-2007	1097111A 15-Jun-2007		
Title: SYSTEM AND METHOD FOR AN OMNIDIRECTIONAL PLANAR ANTENNA APPARATUS WITH SELECTABLE ELEMENTS					
Taiwan		094127953 16-Aug-2005			
Title: SYSTEM AND METHOD FOR AN OMNIDIRECTIONAL PLANAR ANTENNA APPARATUS WITH SELECTABLE ELEMENTS					
Taiwan		096114265 23-Apr-2007			
Title: SYSTEM AND METHOD FOR AN OMNIDIRECTIONAL PLANAR ANTENNA APPARATUS WITH SELECTABLE ELEMENTS					
China (People's Republic)		200680048001.7 26-Dec-2006			
Title: SYSTEM AND METHOD FOR A MINIMIZED ANTENNA APPARATUS WITH SELECTABLE ELEMENTS					
European Patent Convention		06848122.5-2220 26-Dec-2006			
Title: SYSTEM AND METHOD FOR A MINIMIZED ANTENNA APPARATUS WITH SELECTABLE ELEMENTS					
India		1323/MUMNP/2008 26-Dec-2006			
Title: SYSTEM AND METHOD FOR A MINIMIZED ANTENNA APPARATUS WITH SELECTABLE ELEMENTS					

CaseNumber Country	Sub Case Case Type	Application Filing Date	Publication Publication Date	Patent Number Issue Date	Status Expiration Date
China (People's Republic)		200580001531.1 29-Jul-2005	CN 1906955 A 31-Jan-2007		
Title: SYSTEM AND METHOD FOR TRANSMISSION PARAMETER CONTROL FOR AN ANTENNA APPARATUS WITH SELECTABLE ELEMENTS					
European Patent Convention		05776630.5-2412 29-Jul-2005			
Title: SYSTEM AND METHOD FOR TRANSMISSION PARAMETER CONTROL FOR AN ANTENNA APPARATUS WITH SELECTABLE ELEMENTS					
Hong Kong		07104495.5 27-Apr-2007			
Title: SYSTEM AND METHOD FOR TRANSMISSION PARAMETER CONTROL FOR AN ANTENNA APPARATUS WITH SELECTABLE ELEMENTS					
Taiwan		094127959 16-Aug-2005			
Title: SYSTEM AND METHOD FOR TRANSMISSION PARAMETER CONTROL FOR AN ANTENNA APPARATUS WITH SELECTABLE ELEMENTS					
Belgium		05816101.4-2412 04-Nov-2005		1759543 11-Feb-2009	04-Nov-2025
Title: SYSTEMS AND METHODS FOR IMPROVED DATA THROUGHPUT IN COMMUNICATIONS NETWORKS					
China (People's Republic)		2005-8000-1629.7 04-Nov-2005			
Title: SYSTEMS AND METHODS FOR IMPROVED DATA THROUGHPUT IN COMMUNICATIONS NETWORKS					
Denmark		05816101.4-2412 04-Nov-2005		1759543 11-Feb-2009	04-Nov-2025
Title: SYSTEMS AND METHODS FOR IMPROVED DATA THROUGHPUT IN COMMUNICATIONS NETWORKS					
European Patent Convention		05816101.4-2412 04-Nov-2005		1759543 11-Feb-2009	04-Nov-2025
Title: SYSTEMS AND METHODS FOR IMPROVED DATA THROUGHPUT IN COMMUNICATIONS NETWORKS					
European Patent Convention		08021224.4 05-Dec-2008			
Title: SYSTEMS AND METHODS FOR IMPROVED DATA THROUGHPUT IN COMMUNICATIONS NETWORKS					
European Patent Convention		10011798.5 29-Sep-2010			
Title: SYSTEMS AND METHODS FOR IMPROVED DATA THROUGHPUT IN COMMUNICATIONS NETWORKS					

CaseNumber Country	SubCase Case Type	Application Filing Date	Publication Publication Date	Patent Number Issue Date	Status Expiration Date
Finland		05816101.4-2412 04-Nov-2005		1759543 11-Feb-2009	04-Nov-2025
Title: SYSTEMS AND METHODS FOR IMPROVED DATA THROUGHPUT IN COMMUNICATIONS NETWORKS					
France		05816101.4-2412 04-Nov-2005		1759543 11-Feb-2009	04-Nov-2025
Title: SYSTEMS AND METHODS FOR IMPROVED DATA THROUGHPUT IN COMMUNICATIONS NETWORKS					
Germany		05816101.4-2412 04-Nov-2005		1759543 11-Feb-2009	04-Nov-2025
Title: SYSTEMS AND METHODS FOR IMPROVED DATA THROUGHPUT IN COMMUNICATIONS NETWORKS					
Hong Kong		07104205.6 06-Aug-2009		HK1096814 23-Oct-2009	04-Nov-2025
Title: SYSTEMS AND METHODS FOR IMPROVED DATA THROUGHPUT IN COMMUNICATIONS NETWORKS					
Hong Kong		11106973.5 06-Jul-2011			
Title: SYSTEMS AND METHODS FOR IMPROVED DATA THROUGHPUT IN COMMUNICATIONS NETWORKS					
Hong Kong		10102094.9 26-Feb-2010	1126140A 18-Jun-2010		
Title: SYSTEMS AND METHODS FOR IMPROVED DATA THROUGHPUT IN COMMUNICATIONS NETWORKS					
Ireland		05816101.4-2412 04-Nov-2005		1759543 11-Feb-2009	04-Nov-2025
Title: SYSTEMS AND METHODS FOR IMPROVED DATA THROUGHPUT IN COMMUNICATIONS NETWORKS					
Sweden		05816101.4-2412 04-Nov-2005		1759543 11-Feb-2009	04-Nov-2025
Title: SYSTEMS AND METHODS FOR IMPROVED DATA THROUGHPUT IN COMMUNICATIONS NETWORKS					
Switzerland		05816101.4-2412 04-Nov-2005		1759543 11-Feb-2009	04-Nov-2025
Title: SYSTEMS AND METHODS FOR IMPROVED DATA THROUGHPUT IN COMMUNICATIONS NETWORKS					
Taiwan		094138836 04-Nov-2005			
Title: SYSTEMS AND METHODS FOR IMPROVED DATA THROUGHPUT IN COMMUNICATIONS NETWORKS					
Taiwan		094138837 04-Nov-2005			
Title: SYSTEMS AND METHODS FOR IMPROVED DATA THROUGHPUT IN COMMUNICATIONS NETWORKS					

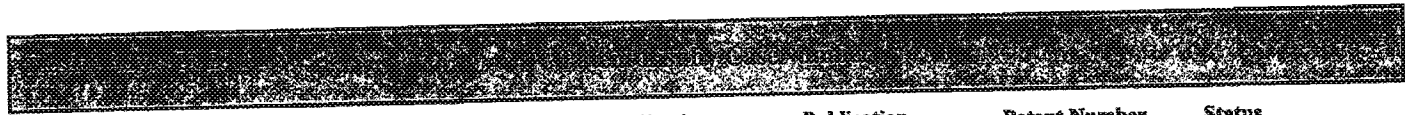
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United Kingdom		05816101.4-2412 04-Nov-2005		1759543 11-Feb-2009	04-Nov-2025
Title: SYSTEMS AND METHODS FOR IMPROVED DATA THROUGHPUT IN COMMUNICATIONS NETWORKS					
China (People's Republic)		2005-8000-1608.5 29-Jul-2005			
Title: CIRCUIT BOARD HAVING A PERIPHERAL ANTENNA APPARATUS WITH SELECTABLE ANTENNA ELEMENTS					
European Patent Convention		05776697.4 29-Jul-2005	EP1817818 06-Jan-2006		
Title: CIRCUIT BOARD HAVING A PERIPHERAL ANTENNA APPARATUS WITH SELECTABLE ANTENNA ELEMENTS					
Hong Kong		07104718.6 29-Jul-2005	1097354A 22-Jun-2007		
Title: CIRCUIT BOARD HAVING A PERIPHERAL ANTENNA APPARATUS WITH SELECTABLE ANTENNA ELEMENTS					
Taiwan		094127962 16-Aug-2005			
Title: CIRCUIT BOARD HAVING A PERIPHERAL ANTENNA APPARATUS WITH SELECTABLE ANTENNA ELEMENTS					
Taiwan		094141018 22-Nov-2005			
Title: CIRCUIT BOARD HAVING A PERIPHERAL ANTENNA APPARATUS WITH SELECTABLE ANTENNA ELEMENTS					
Taiwan		095125286 11-Jul-2006			
Title: COVERAGE ENHANCEMENT USING DYNAMIC ANTENNAS					
China (People's Republic)		200680045272.7 01-Dec-2006			
Title: ON-DEMAND SERVICES BY WIRELESS BASE STATION VIRTUALIZATION					
European Patent Convention		06838713.3-1237 01-Dec-2006			
Title: ON-DEMAND SERVICES BY WIRELESS BASE STATION VIRTUALIZATION					
China (People's Republic)		200780019074.8 23-Apr-2007			
Title: DYNAMIC AUTHENTICATION IN SECURED WIRELESS NETWORKS					
China (People's Republic)		200780019389.2 18-Apr-2007			
Title: DYNAMIC AUTHENTICATION IN SECURED WIRELESS NETWORKS					

CaseNumber Country	SubCase Case Type	Application Filing Date	Publication Publication Date	Patent Number Issue Date	Status Expiration Date
European Patent Convention		07755913.6-1246 23-Apr-2007			
Title: DYNAMIC AUTHENTICATION IN SECURED WIRELESS NETWORKS					
European Patent Convention		07755678.5-1243 18-Apr-2007			
Title: DYNAMIC AUTHENTICATION IN SECURED WIRELESS NETWORKS					
China (People's Republic)		201080002467.X 16-Nov-2010			
Title: ESTABLISHING A MESH NETWORK WITH WIRED AND WIRELESS LINKS					
European Patent Convention		10813061.8 16-Nov-2010			
Title: ESTABLISHING A MESH NETWORK WITH WIRED AND WIRELESS LINKS					
India		793/CHENP/2011 16-Nov-2010			
Title: ESTABLISHING A MESH NETWORK WITH WIRED AND WIRELESS LINKS					
Indonesia		W-00 2011 00594 16-Nov-2010			
Title: ESTABLISHING A MESH NETWORK WITH WIRED AND WIRELESS LINKS					
Malaysia		PI2011000668 16-Nov-2010			
Title: ESTABLISHING A MESH NETWORK WITH WIRED AND WIRELESS LINKS					
Philippines		1-2011-500365 16-Nov-2010			
Title: ESTABLISHING A MESH NETWORK WITH WIRED AND WIRELESS LINKS					
Viet Nam		1-2011-00352 16-Nov-2010			
Title: ESTABLISHING A MESH NETWORK WITH WIRED AND WIRELESS LINKS					

CaseNumber Country	SubCase Case Type	Application Filing Date	Publication Publication Date	Patent Number Issue Date	Status Expiration Date
United States of America		12/008,715 11-Jan-2008		US-2009-0180396-A 16-Jul-2009	
Title: DETERMINING ASSOCIATIONS IN A MESH NETWORK					
United States of America		12/404,127 13-Mar-2009		US-2010-0231473-A 16-Sep-2010	
Title: ADJUSTMENT OF RADIATION PATTERNS UTILIZING A POSITION SENSOR					
United States of America		12/718,987 07-Mar-2010			
Title: MAC BASED MAPPING IN IP BASED COMMUNICATIONS					
United States of America		12/938,316 02-Nov-2010		US-2011-0096712-A 28-Apr-2011	
Title: MAC BASED MAPPING IN IP BASED COMMUNICATIONS					
United States of America		11/877,465 23-Oct-2007		US-2008-0136715-A 12-Jun-2008	
Title: SYSTEM AND METHOD FOR AN OMNIDIRECTIONAL PLANAR ANTENNA APPARATUS WITH SELECTABLE ELEMENTS					
United States of America		12/980,253 20-Dec-2010		US-2011-0095960-A 28-Apr-2011	
Title: SYSTEM AND METHOD FOR AN OMNIDIRECTIONAL PLANAR ANTENNA APPARATUS WITH SELECTABLE ELEMENTS					
United States of America		12/605,256 23-Oct-2009		US-2010-0103066-A 29-Apr-2010	
Title: SYSTEM AND METHOD FOR A MINIMIZED ANTENNA APPARATUS WITH SELECTABLE ELEMENTS					
United States of America		13/019,214 01-Feb-2011			
Title: SYSTEM AND METHOD FOR A MINIMIZED ANTENNA APPARATUS WITH SELECTABLE ELEMENTS					
United States of America		12/545,796 21-Aug-2009		US-2009-0310590-A 17-Dec-2009	
Title: SYSTEM AND METHOD FOR TRANSMISSION PARAMETER CONTROL FOR AN ANTENNA APPARATUS WITH SELECTABLE ELEMENTS					
United States of America		12/575,422 07-Oct-2009		US-2010-0091749-A 15-Apr-2010	
Title: SYSTEM AND METHOD FOR TRANSMISSION PARAMETER CONTROL FOR AN ANTENNA APPARATUS WITH SELECTABLE ELEMENTS					

Case Number Country	Sub Case Case Type	Application Filing Date	Publication Publication Date	Patent Number Issue Date	Status Expiration Date
United States of America		13/037,250 28-Feb-2011		US-2011-0151931-A 23-Jun-2011	
Title: SYSTEM AND METHOD FOR TRANSMISSION PARAMETER CONTROL FOR AN ANTENNA APPARATUS WITH SELECTABLE ELEMENTS					
United States of America		11/985,865 16-Nov-2007		US-2008-0137681-A 12-Jun-2008	
Title: SYSTEMS AND METHODS FOR IMPROVED DATA THROUGHPUT IN COMMUNICATIONS NETWORKS					
United States of America		12/719,006 08-Mar-2010		US-2010-0182944-A 22-Jul-2010	
Title: SYSTEMS AND METHODS FOR IMPROVED DATA THROUGHPUT IN COMMUNICATIONS NETWORKS					
United States of America		11/267,477 04-Nov-2005		US-2006-0098616-A 11-May-2006	
Title: THROUGHPUT ENHANCEMENT BY ACKNOWLEDGMENT SUPPRESSION					
United States of America		12/425,374 16-Apr-2009		US-2010-0053023-A 04-Mar-2010	23-Dec-2024
Title: CIRCUIT BOARD HAVING A PERIPHERAL ANTENNA APPARATUS WITH SELECTABLE ANTENNA ELEMENTS					
United States of America		95/001,078 04-Sep-2008			23-Dec-2024
Title: CIRCUIT BOARD HAVING A PERIPHERAL ANTENNA APPARATUS WITH SELECTABLE ANTENNA ELEMENTS					
United States of America		12/212,855 18-Sep-2008		US-2009-0075606-A 19-Mar-2009	
Title: COVERAGE ANTENNA APPARATUS WITH SELECTABLE HORIZONTAL AND VERTICAL POLARIZATION ELEMENTS					
United States of America		12/082,090 07-Apr-2008		US-2008-0291098-A 27-Nov-2008	
Title: COVERAGE ANTENNA APPARATUS WITH SELECTABLE HORIZONTAL AND VERTICAL POLARIZATION ELEMENTS					
United States of America		95/001,079 04-Sep-2008			28-Apr-2026
Title: COVERAGE ANTENNA APPARATUS WITH SELECTABLE HORIZONTAL AND VERTICAL POLARIZATION ELEMENTS					
United States of America		11/413,293 28-Apr-2006		US-2007-0026817-A 01-Feb-2007	
Title: COVERAGE ENHANCEMENT USING DYNAMIC ANTENNAS					

CaseNumber Country	SubCase Case Type	Application Filing Date	Publication Publication Date	Patent Number Issue Date	Status Expiration Date
United States of America		12/562,061 17-Sep-2009	US-2010-0008343-A 14-Jan-2010		
Title: COVERAGE ENHANCEMENT USING DYNAMIC ANTENNAS					
United States of America		13/191,383 26-Jul-2011			
Title: ON-DEMAND SERVICES BY WIRELESS BASE STATION VIRTUALIZATION					
United States of America		11/789,446 23-Apr-2007	US-2007-0287450-A 13-Dec-2007		
Title: DYNAMIC AUTHENTICATION IN SECURED WIRELESS NETWORKS					
United States of America		12/845,089 28-Jul-2010	US-2011-0055898-A 03-Mar-2011		
Title: DYNAMIC AUTHENTICATION IN SECURED WIRELESS NETWORKS					
United States of America		11/841,619 20-Aug-2007	US-2008-0070509-A 20-Mar-2008		
Title: CLOSED-LOOP AUTOMATIC CHANNEL SELECTION					
United States of America		12/953,324 23-Nov-2010	US-2011-0074653-A 31-Mar-2011		
Title: PATTERN SHAPING OF RF EMISSION PATTERNS					
United States of America		12/181,274 28-Jul-2008	US-2009-0028095-A 29-Jan-2009		28-Jul-2008
Title: WIRELESS NETWORK THROUGHPUT ENHANCEMENT THROUGH CHANNEL AWARE SCHEDULING					
United States of America		12/545,758 21-Aug-2009	US-2010-0289705-A 18-Nov-2010		
Title: MOUNTABLE ANTENNA ELEMENTS FOR DUAL BAND ANTENNA					
United States of America		12/947,800 16-Nov-2010	US-2011-0119360-A 19-May-2011		
Title: ESTABLISHING A MESH NETWORK WITH WIRED AND WIRELESS LINKS					
United States of America		12/947,803 16-Nov-2010	US-2011-0119401-A 19-May-2011		
Title: ESTABLISHING A MESH NETWORK WITH WIRED AND WIRELESS LINKS					
United States of America		12/887,448 21-Sep-2010			
Title: ANTENNA WITH DUAL POLARIZATION AND MOUNTABLE ANTENNA ELEMENTS					



Case Number	Sub Case	Case Type	Application Filing Date	Publication Publication Date	Patent Number Issue Date	Status Expiration Date
Country			61/481,203			01-May-2012
United States of America			01-May-2011			

Title: REMOTE CABLE ACCESS POINT RESET

Country	Application Filing Date	Publication Publication Date	Patent Number Issue Date	Expiration Date
United States of America	11/413,670 28-Apr-2006	US-2007-0252666-A 01-Nov-2007	7,639,106 29-Dec-2009	28-Apr-2026
Title: PIN DIODE NETWORK FOR MULTIBAND RF COUPLING				
United States of America	29/233,156 28-Jun-2005		D532,001 14-Nov-2006	14-Nov-2020
Title: WIRELESS LOCAL AREA NETWORK DEVICE				
United States of America	29/292,091 26-Sep-2007		D596,628 21-Jul-2009	21-Jul-2023
Title: WIRELESS ACCESS POINT				
United States of America	29/292,117 27-Sep-2007		D595,705 07-Jul-2009	07-Jul-2023
Title: WIRELESS ACCESS POINT COVER				
United States of America	29/292,464 12-Oct-2007		D596,168 14-Jul-2009	14-Jul-2023
Title: WIRELESS ACCESS POINT BASE				
United States of America	29/307,082 27-Mar-2008		D596,635 21-Jul-2009	21-Jul-2023
Title: WIRELESS ACCESS POINT				
United States of America	11/010,076 09-Dec-2004	US-2006-0038734-A 23-Feb-2006	7,292,198 06-Nov-2007	09-Dec-2024
Title: SYSTEM AND METHOD FOR AN OMNIDIRECTIONAL PLANAR ANTENNA APPARATUS WITH SELECTABLE ELEMENTS				
United States of America	11/414,117 28-Apr-2006	US-2006-0192720-A 31-Aug-2006	7,652,632 26-Jan-2010	09-Dec-2024
Title: SYSTEM AND METHOD FOR AN OMNIDIRECTIONAL PLANAR ANTENNA APPARATUS WITH SELECTABLE ELEMENTS				
United States of America	11/799,458 30-Apr-2007	US-2007-0247255-A 25-Oct-2007	7,696,946 13-Apr-2010	09-Dec-2024
Title: SYSTEM AND METHOD FOR AN OMNIDIRECTIONAL PLANAR ANTENNA APPARATUS WITH SELECTABLE ELEMENTS				
United States of America	11/041,145 21-Jan-2005	US-2006-0038735-A 23-Feb-2006	7,362,280 22-Apr-2008	21-Jan-2025
Title: SYSTEM AND METHOD FOR A MINIMIZED ANTENNA APPARATUS WITH SELECTABLE ELEMENTS				

CaseNumber	SubCase	Application	Publication	Patent Number	Status
Country	Case Type	Filing Date	Publication Date	Issue Date	Expiration Date
United States of America		11/646,136 26-Dec-2006	US-2008-0129640-A 05-Jun-2008	7,498,996 03-Mar-2009	21-Jan-2025
Title: SYSTEM AND METHOD FOR A MINIMIZED ANTENNA APPARATUS WITH SELECTABLE ELEMENTS					
United States of America		12/396,439 02-Mar-2009	US-2010-0053010-A 04-Mar-2010	7,880,683 01-Feb-2011	21-Jan-2025
Title: SYSTEM AND METHOD FOR A MINIMIZED ANTENNA APPARATUS WITH SELECTABLE ELEMENTS					
United States of America		12/604,832 23-Oct-2009	US-2010-0103065-A 29-Apr-2010	7,965,252 21-Jun-2011	05-Feb-2025
Title: SYSTEM AND METHOD FOR A MINIMIZED ANTENNA APPARATUS WITH SELECTABLE ELEMENTS					
United States of America		11/924,082 25-Oct-2007	US-2008-0136725-A 12-Jun-2008	7,511,680 31-Mar-2009	21-Jan-2025
Title: SYSTEM AND METHOD FOR A MINIMIZED ANTENNA APPARATUS WITH SELECTABLE ELEMENTS					
United States of America		11/180,329 12-Jul-2005	US-2006-0040707-A 23-Feb-2006	7,899,497 01-Mar-2011	12-Jul-2025
Title: SYSTEM AND METHOD FOR TRANSMISSION PARAMETER CONTROL FOR AN ANTENNA APPARATUS WITH SELECTABLE ELEMENTS					
United States of America		11/474,057 23-Jun-2006	US-2007-0115180-A 24-May-2007	7,933,628 26-Apr-2011	12-Jul-2025
Title: SYSTEM AND METHOD FOR TRANSMISSION PARAMETER CONTROL FOR AN ANTENNA APPARATUS WITH SELECTABLE ELEMENTS					
United States of America		12/283,223 09-Sep-2008	US-2009-0022066-A 22-Jan-2009	7,877,113 25-Jan-2011	12-Jul-2025
Title: SYSTEM AND METHOD FOR TRANSMISSION PARAMETER CONTROL FOR AN ANTENNA APPARATUS WITH SELECTABLE ELEMENTS					
United States of America		11/232,196 20-Sep-2005	US-2006-0098613-A 11-May-2006	7,505,447 17-Mar-2009	20-Sep-2025
Title: SYSTEMS AND METHODS FOR IMPROVED DATA THROUGHPUT IN COMMUNICATIONS NETWORKS					
United States of America		11/985,866 16-Nov-2007	US-2008-0137682-A 12-Jun-2008	7,787,436 31-Aug-2010	20-Sep-2025
Title: SYSTEMS AND METHODS FOR IMPROVED DATA THROUGHPUT IN COMMUNICATIONS NETWORKS					
United States of America		11/022,080 23-Dec-2004	US-2006-0109191-A 25-May-2006	7,193,562 20-Mar-2007	23-Dec-2024
Title: CIRCUIT BOARD HAVING A PERIPHERAL ANTENNA APPARATUS WITH SELECTABLE ANTENNA ELEMENTS					

CaseNumber Country	SubCase Case Type	Application Filing Date	Publication Publication Date	Patent Number Issue Date	Status Expiration Date
United States of America		11/265,751 01-Nov-2005	US-2006-0109067-A 25-May-2006	7,498,999 03-Mar-2009	23-Dec-2024
Title: CIRCUIT BOARD HAVING A PERIPHERAL ANTENNA APPARATUS WITH SELECTABLE ANTENNA ELEMENTS					
United States of America		11/714,707 05-Mar-2007	US-2007-0218953-A 20-Sep-2007	7,525,486 28-Apr-2009	23-Dec-2024
Title: CIRCUIT BOARD HAVING A PERIPHERAL ANTENNA APPARATUS WITH SELECTABLE ANTENNA ELEMENTS					
United States of America		12/851,472 05-Aug-2010	US-2010-03021296- 02-Dec-2010	7,864,119 04-Jan-2011	23-Dec-2024
Title: CIRCUIT BOARD HAVING A PERIPHERAL ANTENNA APPARATUS WITH SELECTABLE ANTENNA ELEMENTS					
United States of America		11/413,461 28-Apr-2006		7,358,912 15-Apr-2008	28-Apr-2026
Title: COVERAGE ANTENNA APPARATUS WITH SELECTABLE HORIZONTAL AND VERTICAL POLARIZATION ELEMENTS					
United States of America		11/938,240 09-Nov-2007	US-2008-0139136-A 12-Jun-2008	7,646,343 12-Jan-2010	28-Apr-2026
Title: COVERAGE ANTENNA APPARATUS WITH SELECTABLE HORIZONTAL AND VERTICAL POLARIZATION ELEMENTS					
United States of America		12/018,894 24-Jan-2008	US-2008-0204349-A 28-Aug-2008	7,675,474 09-Mar-2010	28-Apr-2026
Title: COVERAGE ANTENNA APPARATUS WITH SELECTABLE HORIZONTAL AND VERTICAL POLARIZATION ELEMENTS					
United States of America		11/607,619 01-Dec-2006	US-2007-0130456-A 07-Jun-2007	8,009,644 30-Aug-2011	01-Dec-2026
Title: ON-DEMAND SERVICES BY WIRELESS BASE STATION VIRTUALIZATION					
United States of America		11/788,371 18-Apr-2007	US-2007-0249324-A 25-Oct-2007	7,788,703 31-Aug-2010	18-Apr-2027
Title: DYNAMIC AUTHENTICATION IN SECURED WIRELESS NETWORKS					
United States of America		12/339,688 19-Dec-2008	US-2009-0092255-A 09-Apr-2009	7,669,232 23-Feb-2010	18-Apr-2027
Title: DYNAMIC AUTHENTICATION IN SECURED WIRELESS NETWORKS					
United States of America		11/971,210 08-Jan-2008	US-2008-0204331-A 28-Aug-2008	7,893,882 22-Feb-2011	08-Jan-2028
Title: PATTERN SHAPING OF RF EMISSION PATTERNS					

Patents

<u>Description</u>	<u>Registration/ Application Number</u>	<u>Registration/ Application Date</u>
	PCT/US2010/056908	11/16/2010
	PCT/US2008/014148	12/30/2008
	PCT/US2007/009836	4/23/2007
	PCT/US2007/009503	4/18/2007
	PCT/US2007/009278	4/12/2007
	PCT/US2007/009276	4/12/2007
	PCT/US2006/049211	12/26/2006
	PCT/US2006/045893	12/1/2006
	PCT/US2006/026418	7/7/2006
	PCT/US2005/027169	7/29/2005
	PCT/US2005/039760	11/4/2005
	PCT/US2005/027023	7/29/2005
	PCT/US2005/026933	7/29/2005

EXHIBIT C

Trademarks

<u>Description</u>	<u>Registration/ Application Number</u>	<u>Registration/ Application Date</u>
RUCKUS WIRELESS	3,280,730	8/14/2007
BEAMFLEX	3,262,223	7/10/2007
BEAMFLEX	WO0860656	7/02/2005

EXHIBIT D

Mask Works

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

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