TRADEMARK ASSIGNMENT COVER SHEET

Electronic Version v1.1
Stylesheet Version v1.2

ETAS ID: TM401049

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	SECURITY INTEREST

CONVEYING PARTY DATA

Name	Formerly	Execution Date	Entity Type
Parallel Wireless, Inc.		09/30/2016	Corporation:

RECEIVING PARTY DATA

Name:	Venture Lending & Leasing VII, Inc.
Street Address:	104 La Mesa Drive, Suite 102
City:	Portola Valley
State/Country:	CALIFORNIA
Postal Code:	94028
Entity Type:	CORPORATION: MARYLAND
Name:	Venture Lending & Leasing VIII, Inc.
Street Address:	104 La Mesa Drive, Suite 102
City:	Portola Valley
State/Country:	CALIFORNIA
Postal Code:	94028
Entity Type:	CORPORATION: MARYLAND

PROPERTY NUMBERS Total: 17

Property Type	Number	Word Mark
Registration Number:	4573333	PARALLEL WIRELESS
Registration Number:	4590063	LMLTE
Registration Number:	4744465	BYOC
Registration Number:	4832579	P
Registration Number:	4914400	UNI-MANAGE EMS
Registration Number:	1248887	CHOOSE-A-CHAIN
Registration Number:	3047186	RAINHA
Registration Number:	4923518	UNI-MANAGE
Serial Number:	86266038	PARALLEL WIRELESS HETNET SERVICES CLOUD
Serial Number:	86301011	PARALLEL WIRELESS
Serial Number:	86325362	CONVERGED WIRELESS SYSTEM
Serial Number:	86545158	REIMAGINE THE RAN
Serial Number:	86598249	HETNET SERVICES CLOUD

OP $440.00 4573333

Property Type	Number	Word Mark
Serial Number:	86598260	HETNET GATEWAY
Serial Number:	86598265	HETNET CONTROLLER
Serial Number:	86793102	CWS
Serial Number:	86903595	PARALLEL WIRELESS

CORRESPONDENCE DATA

Fax Number: 4157774961

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: 415 981 1400

Email: nsust@greeneradovsky.com

Correspondent Name: JEFFREY T. KLUGMAN

Address Line 1: FOUR EMBARCADERO CENTER, SUITE 4000

Address Line 4: SAN FRANCISCO, CALIFORNIA 94111

NAME OF SUBMITTER:	JEFFREY T. KLUGMAN
SIGNATURE:	/JEFFREY T. KLUGMAN/
DATE SIGNED:	10/05/2016

Total Attachments: 13

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INTELLECTUAL PROPERTY SECURITY AGREEMENT

This Intellectual Property Security Agreement (this "Agreement") is made as of September 30, 2016, between PARALLEL WIRELESS, INC., a Delaware corporation ("Grantor"), and VENTURE LENDING & LEASING VII, INC. ("VLL7") and VENTURE LENDING & LEASING VIII, INC. ("VLL8"), both Maryland corporations (sometimes referred to herein individually and together as "Secured Party").

RECITALS

A.   Pursuant to that certain Loan and Security Agreement of even date herewith between Grantor, as borrower, and Secured Party, as lender (as amended, restated, supplemented or otherwise modified from time to time, the "Loan Agreement"), Secured Party has agreed to make certain advances of money and to extend certain financial accommodations to Grantor (the "Loans") in the amounts and manner set forth in the Loan Agreement. All capitalized terms used herein without definition shall have the meanings ascribed to them in the Loan Agreement.

B.   Secured Party is willing to make the Loans to Grantor, but only upon the condition, among others, that Grantor shall grant to Secured Party a security interest in substantially all of Grantor's personal property whether presently existing or hereafter acquired. To that end, Grantor has executed in favor of Secured Party the Loan Agreement granting a security interest in all Collateral, and is executing this Agreement with respect to certain items of Intellectual Property, in particular.

NOW, THEREFORE, THE PARTIES HERETO AGREE AS FOLLOWS:

1.   Grant of Security Interest. As collateral security for the prompt and complete payment and performance of all of Grantor's present or future Obligations, Grantor hereby grants a security interest and mortgage to Secured Party, as security, in and to Grantor's entire right, title and interest in, to and under the following Intellectual Property, now owned or hereafter acquired by Grantor or in which Grantor now holds or hereafter acquires any interest (all of which shall collectively be called the "Collateral" for purposes of this Agreement):

(a)   Any and all copyrights, whether registered or unregistered, held pursuant to the laws of the United States, any State thereof or of any other country; all registrations, applications and recordings in the United States Copyright Office or in any similar office or agency of the United States, and State thereof or any other country; all continuations, renewals, or extensions thereof; and any registrations to be issued under any pending applications, including without limitation those set forth on Exhibit A attached hereto (collectively, the "Copyrights");

(b)   All letters patent of, or rights corresponding thereto in, the United States or any other country, all registrations and recordings thereof, and all applications for letters patent of, or rights corresponding thereto in, the United States or any other country, including, without limitation, registrations, recordings and applications in the United States Patent and Trademark Office or in any similar office or agency of the United States, any State thereof or any other country; all reissues, continuations, continuations-in-part or extensions thereof; all petty patents, divisionals, and patents of addition; and all patents to be issued under any such applications, including without limitation the patents and patent applications set forth on Exhibit B attached hereto (collectively, the "Patents");

(c)   All trademarks, trade names, corporate names, business names, trade styles, service marks, logos, other source or business identifiers, prints and labels on which any of the foregoing have appeared or appear, designs and general intangibles of like nature, now existing or hereafter adopted or acquired, all registrations and recordings thereof, and any applications in connection therewith, including, without limitation, registrations, recordings and applications in the United States Patent and Trademark Office or in any similar office or agency of the United States, any State thereof or any other country or any political subdivision thereof, and   reissues,

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extensions or renewals thereof, 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");

(d) Any and all claims for damages by way of past, present and future infringement 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;

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

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

(g) 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.

Notwithstanding the foregoing the term "Collateral" shall not include: (a) "intent-to-use" trademarks at all times prior to the first use thereof, whether by the actual use thereof in commerce, the recording of a statement of use with the United States Patent and Trademark Office or otherwise, but only to the extent the granting of a security interest in such "intent to use" trademarks would be contrary to applicable law or (b) any contract, instrument or chattel paper in which Grantor has any right, title or interest if and to the extent such contract, instrument or chattel paper includes a provision containing a restriction on assignment such that the creation of a security interest in the right, title or interest of Grantor therein would be prohibited and would, in and of itself, cause or result in a default thereunder enabling another person party to such contract, instrument or chattel paper to enforce any remedy with respect thereto; provided, however, that the foregoing exclusion shall not apply if (i) such prohibition has been waived or such other person has otherwise consented to the creation hereunder of a security interest in such contract, instrument or chattel paper, or (ii) such prohibition would be rendered ineffective pursuant to Sections 9-407(a) or 9-408(a) of the UCC, as applicable and as then in effect in any relevant jurisdiction, or any other applicable law (including the Bankruptcy Code or principles of equity); provided further that immediately upon the ineffectiveness, lapse or termination of any such provision, the term "Collateral" shall include, and Grantor shall be deemed to have granted a security interest in, all its rights, title and interests in and to such contract, instrument or chattel paper as if such provision had never been in effect; and provided further that the foregoing exclusion shall in no way be construed so as to limit, impair or otherwise affect Secured Party's unconditional continuing security interest in and to all rights, title and interests of Grantor in or to any payment obligations or other rights to receive monies due or to become due under any such contract, instrument or chattel paper and in any such monies and other proceeds of such contract, instrument or chattel paper.

2. Covenants and Warranties. Grantor represents, warrants, covenants and agrees as follows:

(a) Grantor has rights (as defined in the UCC) in the Collateral, except for Permitted Liens;

(b) During the term of this Agreement, Grantor will not transfer or otherwise encumber any interest in the Collateral, except for Permitted Liens and except for transfers otherwise permitted under the Loan Agreement;

(c) To its knowledge, each of the material Patents is valid and enforceable, and no material part of the Collateral has been judged invalid or unenforceable, in whole or in part, and no claim has been made that any material part of the Collateral violates the rights of any third party;

(d) Grantor shall deliver to Secured Party within thirty (30) days of the last day of each fiscal quarter, a report signed by Grantor, in form reasonably acceptable to Secured Party, listing (i) any

applications or registrations that Grantor has made or filed in respect of any patents, copyrights or trademarks, (ii) the status of any outstanding applications or registrations and (iii) any material change in the composition of the Collateral;

(e) Grantor shall use reasonable commercial efforts to (i) protect, defend and maintain the validity and enforceability of the Trademarks, Patents and Copyrights material to Grantor's business, (ii) detect infringements of the Trademarks, Patents and Copyrights material to Grantor's business and promptly advise Secured Party in writing of material infringements detected, and (iii) not allow any material Trademarks, Patents or Copyrights material to Grantor's business to be abandoned, forfeited or dedicated to the public unless Grantor deems it to be in the best interest of Grantor's business;

(f) Grantor shall apply for registration (to the extent registerable and not already registered) with the United States Patent and Trademark Office or the United States Copyright Office, as applicable: (i) those intellectual property rights listed on Exhibits A, B and C hereto within thirty (30) days of the date of this Agreement; and (ii) those additional intellectual property rights developed or acquired by Grantor from time to time in connection with any product or service, prior to the sale or licensing of such product or the rendering of such service to any third party (including without limitation revisions or additions to the intellectual property rights listed on such Exhibits A, B and C), except, in each case, with respect to such rights that Grantor determines in its sole but reasonable commercial judgment need not be registered to protect its own business interests. Grantor shall, from time to time, execute and file such other instruments, and take such further actions as Secured Party may reasonably request from time to time to perfect or continue the perfection of Secured Party's interest in the Collateral; and

(g) Grantor shall not enter into any agreement that would materially impair or conflict with Grantor's obligations hereunder without Secured Party's prior written consent, which consent shall not be unreasonably withheld or delayed. Grantor shall not permit the inclusion in any material contract to which it becomes a party of any provisions that would prevent the creation of a security interest in Grantor's rights and interests in any property included within the definition of the Collateral acquired under such contracts, except for provisions in such material contracts as are referenced in the last paragraph of Section 1 of this Agreement.

3. Further Assurances; Attorney in Fact.

(a) On a continuing basis, Grantor will make, execute, acknowledge and deliver, and file and record in the proper filing and recording places in the United States, all such instruments, including appropriate financing and continuation statements and collateral agreements and filings with the United States Patent and Trademark Office and the Register of Copyrights, and take all such action as may reasonably be deemed necessary or advisable, or as reasonably requested by Secured Party, to perfect Secured Party's security interest in all Copyrights, Patents and Trademarks and otherwise to carry out the intent and purposes of this Agreement, or for assuring and confirming to Secured Party the grant or perfection of a security interest in all Collateral.

(b) Grantor hereby irrevocably appoints Secured Party as Grantor's attorney-in-fact, with full authority in the place and stead of Grantor and in the name of Grantor, from time to time in Secured Party's discretion, to take any action and to execute any instrument which Secured Party may deem necessary or advisable to accomplish the purposes of this Agreement, including (i) to modify, in its sole discretion, this Agreement without first obtaining Grantor's approval of or signature to such modification by amending Exhibits A, B and C, hereof, as appropriate, to include reference to any right, title or interest in any Copyrights, Patents or Trademarks acquired by Grantor after the execution hereof or to delete any reference to any right, title or interest in any Copyrights, Patents or Trademarks in which Grantor no longer has or claims any right, title or interest, (ii) to file, in its sole discretion, one or more financing or continuation statements and amendments thereto, relative to any of the Collateral without the signature of Grantor where permitted by law, and (iii) subject to the Forbearance Period, after the occurrence and during the continuance of an Event of Default, to transfer the Collateral into the name of Secured Party or a third party to the extent permitted under the California Uniform Commercial Code.

4. <u>Events of Default</u>. The occurrence of any of the following shall constitute an Event of Default under this Agreement:

(a)   An Event of Default under the Loan Agreement; or

(b)   Grantor breaches in any material respect any warranty or agreement made by Grantor in this Agreement and, as to any breach that is capable of cure, Grantor fails to cure such breach within thirty (30) days of the sooner to occur of Grantor's receipt of notice of such breach from Secured Party or the date on which such breach first becomes known to a responsible officer of Grantor.

5.   <u>Amendments</u>. This Agreement may be amended only by a written instrument signed by both parties hereto, except for amendments permitted under Section 3 hereof to be made by Secured Party alone.

6.   <u>Counterparts</u>. This Agreement may be executed in two or more counterparts, each of which shall be deemed an original but all of which together shall constitute the same instrument.

7.   <u>Several Nature of Secured Party's Obligations and Rights; Pari Passu Security Interests</u>. This Agreement is and shall be interpreted for all purposes as separate and distinct agreements between Grantor and VLL7, on the one hand, and Grantor and VLL8, on the other hand, and nothing in this Agreement shall be deemed a joint venture, partnership or other association between VLL7 and VLL8. Each reference in this Agreement to "Secured Party" shall mean and refer to each of VLL7 and VLL8, singly and independent of one another. Without limiting the generality of the foregoing, the covenants and other obligations of "Secured Party" under this Agreement are several and not joint obligations of VLL7 and VLL8, and all rights and remedies of "Secured Party" under this Agreement may be exercised by VLL7 and/or VLL8 independently of one another. The security interests granted by Grantor to each of VLL7 and VLL8 hereunder and under the Loan Agreement shall be deemed to have been granted and perfected at the same time and shall be of equal priority.

[Signature Pages Follow]

48535/0292
JTK/495854.2

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IN WITNESS WHEREOF, the parties have executed this Agreement as of the date first above written.

GRANTOR:

PARALLEL WIRELESS, INC.

By: *Rajesh Mishra*
Name: RAJESH MISHRA
Title: President

Address for Notices:

1 Tara Blvd.
Nashua, NH 03062
Attn:
Fax #:
Phone #:

SECURED PARTY:

VENTURE LENDING & LEASING VII, INC.

By: _____
Name: _____
Title: _____

Address for Notices:

104 La Mesa Dr., Suite 102
Portola Valley, CA 94028
Attn: Chief Financial Officer
Fax # 650-234-4343
Phone # 650-234-4300

SECURED PARTY:

VENTURE LENDING & LEASING VIII, INC.

By: _____
Name: _____
Title: _____

Address for Notices:

104 La Mesa Dr., Suite 102
Portola Valley, CA 94028
Attn: Chief Financial Officer
Fax # 650-234-4343
Phone # 650-234-4300

[Signature page to Intellectual Property Security Agreement]

IN WITNESS WHEREOF, the parties have executed this Agreement as of the date first above written.

GRANTOR:

PARALLEL WIRELESS, INC.

By:
Name:
Title:

Address for Notices:

1 Tara Blvd.
Nashua, NH 03062
Attn:
Fax #:
Phone #:

SECURED PARTY:

VENTURE LENDING & LEASING VII, INC.

By:
Name: David Wanek
Title: Vice president

Address for Notices:

104 La Mesa Dr., Suite 102
Portola Valley, CA 94028
Attn: Chief Financial Officer
Fax # 650-234-4343
Phone # 650-234-4300

SECURED PARTY:

VENTURE LENDING & LEASING VIII, INC.

By:
Name: David Wanek
Title: Vice president

Address for Notices:

104 La Mesa Dr., Suite 102
Portola Valley, CA 94028
Attn: Chief Financial Officer
Fax # 650-234-4343
Phone # 650-234-4300

EXHIBIT A

Copyrights

Description	Registration Number	Registration Date
None		

Patents

<u>Utility or PCT:</u>

Filing date	Application No.	Title
March 24, 2015	201380049717.9.	Heterogeneous Mesh Network and a Multi-RAT Node Used Therein
March 24, 2015	201380049789.3.	Heterogeneous Self-Organizing Network for Access and Backhaul
March 25, 2015	EP13840788.7	Heterogeneous Mesh Network and a Multi-RAT Node Used Therein
March 25, 2015	EP13841824.9	Heterogeneous Self-Organizing Network for Access and Backhaul
April 21, 2015	EP13842755.4	Dynamic Multi-Access Wireless Network Virtualization
April 21, 2015	1096/KOLNP/2015	Heterogeneous Mesh Network and a Multi-RAT Node Used Therein
May 8, 2013	13/889,631	Heterogeneous Mesh Network and a Multi-RAT Node Used Therein
September 12, 2013	14/024,717	Heterogeneous Self-Organizing Network for Access and Backhaul
September 24, 2013	14/034,915	Dynamic Multi-Access Wireless Network Virtualization
January 3, 2014	14/146,857	Heterogeneous Self-Organizing Network for Access and Backhaul
November 3, 2014	14/531,996	Heterogeneous Mesh Network and a Multi-RAT Node Used Therein
July 20, 2015	14/804,016	Heterogeneous Self-Organizing Network for Access and Backhaul
May 31, 2016	15/169274	Dynamic Multi-Access Wireless Network Virtualization
September 25, 2013	PCT/US13/61677	Heterogeneous Mesh Network and a Multi-RAT Node Used Therein
September 25, 2013	PCT/US13/61656	Heterogeneous Self-Organizing Network for Access and Backhaul
September 25, 2013	PCT/US13/61599	Dynamic Multi-Access Wireless Network Virtualization
April 17, 2015	14/436,852	Wireless Broadband Network with Integrated Streaming Multimedia Services
October 18, 2013	PCT/US13/65573	Wireless broadband Network with Integrated Streaming Multimedia Services
March 26, 2015	EP14751640.5	Methods of incorporating an Ad Hoc Cellular Network into a Fixed Cellular Network
April 24, 2015	EP15165083.5	Methods of Incorporating an Ad Hoc Cellular Network into a Fixed Cellular Network
May 4, 2016	16105053.5	Methods of incorporating an Ad Hoc Cellular Network into a Fixed Cellular Network
February 18, 2014	14/183,176	Methods of incorporating an Ad Hoc Cellular Network into a Fixed Cellular Network
June 23, 2014	14/311,765	Methods of Incorporating an Ad Hoc Cellular Network into a Fixed Cellular Network
June 23, 2014	14/311,829	Methods of Incorporating an Ad Hoc Cellular Network into a Fixed Cellular Network
June 23, 2014	14/311,835	Methods of Incorporating an Ad Hoc Cellular Network into a Fixed Cellular Network
June 23, 2014	14/311,839	Methods of Incorporating an Ad Hoc Cellular Network into a Fixed Cellular Network
January 5, 2016	14/988508	Methods of Incorporating an Ad Hoc Cellular Network into a Fixed Cellular Network
February 18, 2014	PCT/US14/16938	Methods of incorporating an Ad Hoc Cellular Network into a Fixed Cellular Network

September 30, 2015	EP 14763509.8	Methods of Enabling Base Station Functionality in a User Equipment
September 15, 2015	14/777246	Methods of Enabling Base Station Functionality in a User Equipment
March 14, 2014	PCT/US14/29145	Methods of Enabling Base Station Functionality in a User Equipment
March 14, 2014	14/211,355	Start-Up Sequence and Configuration for a Radio Node
May 29, 2014	14/289,821	Method of Connecting Security Gateway to a Mesh Network
May 29, 2014	14/290,280	Intelligent Mesh Network Selection
August 6, 2014	14/453,365	Systems and Methods for Providing LTE-Based Backhaul
July 5, 2016	15/202496	Systems and Methods for Providing LTE-Based Backhaul
August 7, 2014	14/454,670	Multi-RAT Node Used for Search and Rescue
August 7, 2014	PCT/US14/50238	Multi-RAT Node Used for Search and Rescue
September 29, 2014	14/500,989	Adjusting Transmit Power Across a Network
October 3, 2014	14/506,587	Multicast and Broadcast Services Over a Mesh Network
October 8, 2014	14/510,074	Parameter Optimization and Event Prediction Based on Cell Heuristics
October 24, 2014	14/523,401	Full Duplex Services Using RTS/CTS
November 14, 2014	14/542,544	Adjacent Channel Interference Cancellation in Multi-Channel Systems
December 15, 2014	14/571,250	Virtualization of the Evolved Packet Core to Create a Local EPC
May 31, 2016	10-2016-7014534	Federated X2 Gateway
March 9, 2015	14/642544	Federated X2 Gateway
March 9, 2015	PCT/US15/19501	Federated X2 Gateway
May 13, 2015	14/711,293	Multi-Egress Backhaul
May 13, 2015	PCT/US15/30668	Multi-Egress Backhaul
June 9, 2015	14/735,007	Frequency and Phase Synchonization Using Full Duplex Radios Over Wireless Mesh Networks
July 22, 2015	14/806,594	Signaling Storm Reduction from Radio Networks
July 22, 2015	PCT/US15/41631	Signaling Storm Reduction from Radio Networks
August 10, 2015	14/822,839	Congestion and Overload Reduction
August 17, 2015	14/828,432	Inter-Cell Interference Mitigation
September 24, 2015	14/864194	Radio Operation Switch Based on GPS Mobility Data
October 6, 2015	14/876808	Full-Duplex Mesh Networks
November 19, 2015	14/946749	Enhanced Mobile Base Station
November 9, 2015	14/936267	Self-Calibrating and Self-Adjusting Network
November 9, 2015	PCT/US15/59771	Self-Calibrating and Self-Adjusting Network
November 2, 2015	14/930535	Improved Tracking Area Planning
November 2, 2015	PCT/US15/58689	Improved Tracking Area Planning
September 14, 2015	14/853647	Low-Latency Inter-eNodeB Coordinated Multi-Point Transmission
January 20, 2016	15/002383	Multi-RAT Heterogeneous Carrier Aggregation
September 28, 2015	14/868074	Enabling High-Power UE Transmission
November 19, 2015	14/946129	HealthCheck Access Point
October 26, 2015	14/923392	Out-of-Band Power Down Notification
April 21, 2016	15/135535	SIM Whitelisting and Multi-Operator Core Networks
April 21, 2016	PCT/US16/28718	SIM Whitelisting and Multi-Operator Core Networks

November 16, 2015	14/942950	Seamless Mobile Handover
March 2, 2016	15/059284	Software-Enabled Remote Licensing and Provisioning
March 21, 2016	15/076644	Content-Aware Inter-RAT RAB Steering
March 30, 2016	15/086030	Power Management for Vehicle-Mounted Base Station
March 30, 2016	PCT/US16/25101	Power Management for Vehicle-Mounted Base Station
April 18, 2016	15/132229	MaxMesh: Mesh Backhaul Routing
May 9, 2016	15/149941	Virtual Guard Bands
May 24, 2016	15/162593	Wireless Backhaul Resiliency
June 3, 2016	15/173613	Inter-PGW Handover Architecture
June 8, 2016	15/177336	Single-Radome Multi-Antenna Assembly
June 20, 2016	15/187762	SSID to QCI Mapping
July 11, 2016	15/207494	Enhanced X2 Protocol
July 11, 2016	PCT/US16/41824	Enhanced X2 Protocol
July 25, 2016	15/219267	SON Controller-DFS
August 18, 2016	15/241060	Cell ID Disambiguation
August 18, 2016	PCT/US16/47660	Cell ID Disambiguation

Provisional:

Filing Date	App. No.	Title
9/27/2010	61/386847	Utilizing Fixed Ad-Hoc Networks techniques in Wireless Base Stations for data transport
9/25/2012	61/705440	Multi-Access and Backhaul Wireless Systems and Methods
10/19/2012	61/716194	A means for wireless cellular base stations streaming multimedia from local resources
10/25/2012	61/718503	Software Defined Networking Approach for Wireless Base Station with Backhaul
11/9/2012	61/724312	Method of Optimizing Paging Over LTE Radio
11/10/2012	61/724963	Multi Access Wireless System Virtualization Methods
11/10/2012	61/724964	Multi Access Wireless System Virtualization Methods
11/13/2012	61/725865	Novel method of location based PCI selection in radio networks
11/21/2012	61/729158	Dynamic Frequency Selection Using SON, UE Location and Power Information
11/23/2012	61/729489	Dynamic Discovery of Uni-Cloud Node by Uni-RAN
2/17/2013	61/765729	Situation Aware Mobile Wireless Base Station for First Responders
3/14/2013	61/783193	Automatic Access And Backhaul Role Switch for Networking Resources
3/14/2013	61/783293	Method of Automatically Disabling Trace Logging Information
3/14/2013	61/784002	Method of Dynamically Altering Operational Parameters of a Base Station
3/15/2013	61/790008	Low-Power, Self-Optimizing Base Station
3/15/2013	61/787832	Method of Directly Connecting UEs
3/15/2013	61/790785	Base station tamper detection and recovery mechanism
3/15/2013	61/790105	Forming Backhaul Links Using Wireless Equipment
3/15/2013	61/793351	Start-up sequence and configuration for radio node
4/15/2013	61/812119	Heterogeneous Mesh Network and a Multi-RAT Node Used Therein
5/23/2013	61/826750	Method of Disabling Incoming Calls within a Network
5/23/2013	61/826786	Method of Disabling Incoming Calls within a Network

5/29/2013	61/828508	Directional Antenna Optimization for Base Stations
5/31/2013	61/829503	Method of Connecting Security Gateway to Mesh Network
6/26/2013	61/839496	Directional Antenna Optimization for Base Stations
7/24/2013	61/858035	Situation Aware Mobile Wireless Base Station for First Responders with RSSI Measurement
8/6/2013	61/862688	Uplink and Downlink Role Reversal
8/7/2013	61/863135	Multi-RAT Node Used for Search and Rescue
9/27/2013	61/883664	Situation Aware Mobile Wireless Base Station for First Responders
9/27/2013	61/883610	Method for Holistically Controlling Base Station Transmit Power
10/3/2013	61/886441	Method for Providing MBMS Services Over an LTE Mesh Network
10/8/2013	61/888330	Parameter Optimization and Event Prediction Based on Cell Heuristics
10/24/2013	61/894961	Methods for implementing full duplex services over a mesh network
10/29/2013	61/896940	Situation Aware Mobile Wireless Base Station for First Responders
10/29/2013	61/896719	Multi-RAT Node Used for Search and Rescue
11/14/2013	61/904280	Methods for Adjacent Channel Interference (ACI) Cancellation in Multi-Radio/Multi-Channel Systems
12/13/2013	61/915753	Virtualization of the Evolved Packet Core to Create Local EPC
12/16/2013	61/916831	Land Mobile LTE Device, Methods, and Networks
1/13/2014	61/926620	Situation Aware Mobile Wireless Base Station for First Responders
1/13/2014	61/926644	Directional Antenna Optimization for Base Stations
1/13/2014	61/926675	Uplink and Downlink Role Reversal
3/7/2014	61/949455	Federated X2 Gateway
4/7/2014	61/976146	Federated X2 Gateway
5/13/2014	61/992648	Intelligently Pooling or Adapting Wireless Bandwidth
6/9/2014	62/009610	Method for Time, Frequency and Phase Synchronization Using Full Duplex Radios Over Wireless Mesh Networks
7/22/2014	62/027716	Signaling Storm Reduction From Radio Networks
8/8/2014	62/035361	Methods for Congestion and Overload Control of MME
8/15/2014	62/037982	Inter-Cell Interference Mitigation
9/12/2014	62/049889	Low-Latency Inter-eNB Coordinated Multi-Point Transmission
9/24/2014	62/054442	Radio Operation Switch Based on GPS Mobility Data
9/26/2014	62/056455	Enabling High-Power UE Transmission
10/6/2014	62/060237	Full-Duplex LTE Mesh Networks
10/27/2014	62/069036	Out-of-Band Power Down Notification
11/3/2014	62/074533	Improved Tracking Area Planning
11/7/2014	62/076571	Self-Calibrating and Self-Adjusting Network
11/14/2014	62/080255	Enabling Soft Handovers
11/14/2014	62/081930	HealthCheck Access Point
11/19/2014	62/082111	Enhanced Mobile Base Stations
1/20/2015	62/105333	Multi-RAT Carrier Aggregation
3/2/2015	62/127136	Software-Enabled Remote Licensing and Provisioning
3/20/2015	62/135,984	Content-Aware Inter-RAT RAB Steering
3/30/2015	62/140401	Power Management for Vehicle-Mounted Base Stations
4/17/2015	62/149435	MaxMesh; Mesh Backhaul Routing
4/21/2015	62/150717	SIM Whitelisting and Multi-Operator Core Network
4/21/2015	62/150843	On-Chip and Off-Chip Transceiver With ICIC

5/7/2015	62/158192	Virtual Guard Band
5/22/2015	62/165458	Wireless Backhaul Resiliency
5/26/2015	62/166401	Inter-Cell Interference Coordination
6/3/2015	62/170158	Inter-PGW Handover Architecture
6/8/2015	62/172742	Single-Radome Multi-Antenna Assembly
6/18/2015	62/181325	SSID to QCI Mapping
7/10/2015	62/191029	Enhanced X2 Protocol
7/24/2015	62/196537	DFS Management in an IBSS Network Using Centralized SON
7/25/2015	62/198558	Single-Radome Multi-Antenna Assembly
8/18/2015	62/206666	Cell ID Disambiguation
9/8/2015	62/213562	RAN for Multimedia Delivery
9/11/2015	62/217557	Antenna-Integrated Radio with Wireless Fronthaul
9/30/2015	62/235178	Heterogeneous Network Gateway
10/20/2015	62/244127	X2 Protocol Programmability
10/31/2015	62/249210	Elastic Scheduling
1/16/2016	62/278319	Inter-Cell Fractional Frequency Reuse Scheduler
2/17/2016	62/296486	Handling unresponsive S1 active MME in MME Pooling scenario; Handling calls when all MMEs are overloaded in HeNB architecture; Idle mode optimized paging
3/18/2016	62/310173	IuGW Architecture
4/1/2016	62/317315	Signal Quality Database
4/4/2016	62/318029	Advancement of FAPI Error Indication Messaging for 4G Systems (IEEE Paper)
4/9/2016	62/320472	Uplink Measurements for LTE 4G Systems
4/15/2016	62/322968	Mitigation of Negative Delay via Half CP Shift (IEEE Paper)
5/26/2016	62/342001	End-to-End Prioritization for Mobile Base Station
6/1/2016	62/343963	Inter-Cell Fractional Frequency Reuse Scheduler
6/30/2016	62/356781	Intelligent RAN Flow Management and Distributed Policy Enforcement
8/15/2016	62/375341	S2 Proxy for Multi-Architecture Virtualization
8/24/2016	62/379058	Optimized Train Solution
9/1/2016	62/382354	Multi-Radio Access Technology Paging

EXHIBIT C

Trademarks

Filing Date	App. No.	Reg. No.	Status	Mark
April 11, 2013	85/901292	4573333	Registered	PARALLEL WIRELESS
May 6, 2013	85/924247		Abandoned	MESH RAN
July 12, 2013	86/008802		Abandoned	INSTANT-ON
July 12, 2013	86/008843		Abandoned	INSTANT ON BASE STATION
December 24, 2013	86/008880	4590063	Registered	LMLTE
October 10, 2013	86/088558	4744465	Registered	BYOC
October 10, 2013	86/088593		Abandoned	BRING YOUR OWN COVERAGE
December 20, 2013	86/149653		Abandoned	CWS
January 15, 2014	86/166404	4832579	Registered	P (image)
April 29, 2014	86/266038		Live	PARALLEL WIRELESS HETNET SERVICES CLOUD
April 30, 2014	86/267905	4914400	Registered	UNI-MANAGE EMS
May 13, 2014	86/279422		Abandoned	VPLN
June 5, 2014	86/301011		Live	PARALLEL WIRELESS (image)
December 4, 2014	1248887	1248887	Live	PARALLEL WIRELESS (image)
May 28, 2015	GJZCG1248887BHYW01		Abandoned	PARALLEL WIRELESS (image)
May 28, 2015	1248887		Live	PARALLEL WIRELESS (image)
May 28, 2015	2015-355686		Registered	PARALLEL WIRELESS (image)
May 28, 2015	3047186		Live	PARALLEL WIRELESS (image)
June 18, 2014	86/312796		Abandoned	LMLTE
June 23, 2014	86/317019		Suspended	BYOC (goods)
July 1, 2014	86/325362		Live	CONVERGED WIRELESS SYSTEM
July 1, 2014	86/325637	4923518	Registered	UNI-MANAGE
July 30, 2014	86/352570		Abandoned	LTE ACCESS CONTROLLER
July 30, 2014	86/352578		Abandoned	LAC
February 25, 2015	86/545158		Live	Reimagine the RAN
April 15, 2015	86/598249		Live	HetNet Services Cloud
April 15, 2015	86/598260		Live	HetNet Gateway
April 15, 2015	86/598265		Live	HetNet Controller
October 20, 2015	86/793102		Live	CWS
April 20, 2016	A0058187	1302609	Live	CWS
April 20, 2016	1302609		Live	CWS
July 14, 2016	1302609		Live	CWS
	1783239		Live	CWS
	1046816		Live	CWS
TBD	TBD			LMLTE
TBD	TBD			Reimagine the RAN
February 10, 2016	86/903595		Live	PARALLEL WIRELESS (image)
August 10, 2016	A0060784		Live	PARALLEL WIRELESS (image)