

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT4906189

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	SECURITY INTEREST
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
PARALLEL WIRELESS, INC.	04/04/2018
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	VENTURE LENDING & LEASING VII, INC.
<b>Street Address:</b>	104 LA MESA DRIVE, SUITE 102
<b>City:</b>	PORTOLA VALLEY
<b>State/Country:</b>	CALIFORNIA
<b>Postal Code:</b>	94028
<b>Name:</b>	VENTURE LENDING & LEASING VIII, INC.
<b>Street Address:</b>	104 LA MESA DRIVE, SUITE 102
<b>City:</b>	PORTOLA VALLEY
<b>State/Country:</b>	CALIFORNIA
<b>Postal Code:</b>	94028
<b>PROPERTY NUMBERS Total: 51</b>	
<b>Property Type</b>	<b>Number</b>
Application Number:	15278017
Application Number:	15351914
Application Number:	15438641
Application Number:	15800030
Application Number:	15334270
Application Number:	15721728
Application Number:	15782819
Application Number:	15823808
Application Number:	15445531
Application Number:	15716428
Application Number:	15406660
Application Number:	15810003
Application Number:	15678104
Application Number:	15706663
Application Number:	15597095

PATENT

Property Type	Number
Application Number:	15640429
Application Number:	15464333
Application Number:	15470430
Application Number:	15713584
Application Number:	15694762
Application Number:	15698638
Application Number:	15339916
Application Number:	15436758
Application Number:	15607425
Application Number:	15803737
Application Number:	15479273
Application Number:	15484121
Application Number:	15828427
Application Number:	15489722
Application Number:	15836754
Application Number:	62406835
Application Number:	62406928
Application Number:	62407368
Application Number:	62417109
Application Number:	62420099
Application Number:	62422951
Application Number:	62428298
Application Number:	62431468
Application Number:	62443486
Application Number:	62446158
Application Number:	62449508
Application Number:	62451333
Application Number:	62454633
Application Number:	62459639
Application Number:	62463468
Application Number:	62503305
Application Number:	62507984
Application Number:	62574152
Application Number:	62582231
Application Number:	62586334
Application Number:	62591134

**CORRESPONDENCE DATA**

**Fax Number:** (415)777-4961

***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

<b>ATTORNEY DOCKET NUMBER:</b>	48535-0292
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<b>NAME OF SUBMITTER:</b>	JEFFREY T. KLUGMAN
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<b>SIGNATURE:</b>	/JEFFREY T. KLUGMAN/
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<b>DATE SIGNED:</b>	04/09/2018
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**Total Attachments: 6**

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SUPPLEMENT NO. 1 TO INTELLECTUAL PROPERTY SECURITY AGREEMENT

This Supplement No. 1 to Intellectual Property Security Agreement (this “Supplement”) is made as of April 4, 2018, by and 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 or together as “Secured Party”).

## RECITALS

WHEREAS, Grantor and Secured Party are parties to that certain Intellectual Property Security Agreement, dated as September 30, 2016 (as the same has been and may be amended, restated, supplemented or otherwise modified from time to time, the "Intellectual Property Security Agreement") pursuant to which, among other things, Grantor granted Secured Party a security interest in, to and under certain items of Grantor's Intellectual Property;

WHEREAS, Grantor and Secured Party wish to amend the Intellectual Property Security Agreement on the terms set forth herein; and

WHEREAS, each capitalized term used but not otherwise defined herein shall have the meaning ascribed thereto in the Intellectual Property Security Agreement.

NOW, THEREFORE, the parties hereto agree as follows:

## AGREEMENT

1. Exhibit B to Intellectual Property Security Agreement, the listing of Grantor's Patents, is hereby supplemented and amended by Exhibit "C" attached to this Supplement, to include reference to Grantor's right, title and interest in, to and under the Patents set forth thereon. Exhibit C to Intellectual Property Security Agreement, the listing of Grantor's Trademarks, is hereby supplemented and amended by Exhibit "C" attached to this Supplement, to include reference to Grantor's right, title and interest in, to and under the Trademark set forth thereon.

2. This Supplement shall be deemed to be an amendment to Intellectual Property Security Agreement and shall not be construed in any way as a replacement or substitution therefor. All of the terms and conditions of, and terms defined in, this Supplement are hereby incorporated by reference into the Intellectual Property Security Agreement as if such terms and provisions were set forth in full therein. Except as so amended hereby, the Intellectual Property Security Agreement and the other Loan Documents shall remain in full force and effect in accordance with their respective terms.

IN WITNESS WHEREOF, the parties hereto have executed this Supplement on the day and year first above written.

GRANTOR:

SECURED PARTY:


PARALLEL WIRELESS, INC.

VENTURE LENDING & LEASING VII, INC.

By: **VENTURE LENDING & LEASING VIII, INC.**  
as attorney-in-fact pursuant to Section 3(b)(i) of  
the Intellectual Property Security Agreement

By:                       
Name: Maurice Werdegar  
Title: President and CEO

By: 22  
Name: Maurice Werdegarr  
Title: President and CEO

By:   
Name: Maurice Werdegar  
Title: President and CEO

SUPPLEMENT NO. 1 TO INTELLECTUAL PROPERTY SECURITY AGREEMENT

EXHIBIT "B"

Patents

Title:	Application No.:
Method of Connecting Security Gateway to a Mesh Network	15/278017
Intelligent Mesh Network Selection	15/351914
Adjusting Transmit Power Across a Network	15/438641
Multicast and Broadcast Services Over a Mesh Network	15/800030
Virtualization of the Evolved Packet Core to Create a Local EPC	15/334270
Handovers with Simplified Network Topology	15/721728
X2 Brokering Between Inter-3GPP Release eNodeB's	15/782819
Multi-Egress Backhaul	15/823808
Radio Operation Switch Based on GPS Mobility Data	15/445531
Enabling High-Power UE Transmission	15/716428
Inter-Cell Fractional Frequency Reuse Scheduler	15/406660
Hand-in With Topology Hiding	15/810003
S2 Proxy for Multi-Architecture Virtualization	15/678104

VoIP and Native Carrier Call Integration	15/706663
Antenna-Integrated Radio with Wireless Fronthaul	15/597095
Intelligent RAN Flow Management and Distributed Policy Enforcement	15/640429
luGW Architecture	15/464333
Base Station Grouping for Topology Hiding	15/470430
luGW Architecture with RTP Localization	15/713584
Multi-Radio Access Technology Paging	15/694762
Multi-Stage Handover	15/698638
Elastic Scheduling	15/339916
Handling Unresponsive MMEs	15/436758
End-to-End Prioritization for Mobile Base Station	15/607425
Traffic Shaping and End-to-End Prioritization	15/803737
PHY Error Indication Messaging	15/479273
Uplink Measurements for Wireless Systems	15/484121
Enhanced CSFB	15/828427
Mitigation of Negative Delay via Half CP Shift	15/489722
Dynamic Public Warning System for In-Vehicle eNodeB	15/836754

Method of Supporting X2 Brokering Between Inter-3GPP Release eNodeB's	62/406835
Method of Supporting X2 Brokering Between Inter-3GPP Release eNodeB's	62/406928
Method of Supporting X2 Brokering Between Inter-3GPP Release eNodeB's	62/407368
Traffic Shaping for Mesh Backhaul	62/417109
Hand-in With Topology Hiding	62/420099
Method for Using Doubly Linked List of Data Buffers Between Threads Running on Two Core System to Achieve Synchronization	62/422951
Enhanced CSFB	62/428298
Dynamic Public Warning Systems for In-Vehicle eNodeB	62/431468
X2 Brokering with Aggregation Optimization	62/443486
Multi-Stage Secure Network Element Certificate Provisioning in a Distributed Mobile Access Network	62/446158
Scaling and Redundancy for Telecom Access/Core Functions like Venb, Vhnb, Vrnc etc.	62/449508
CDMA/EVDO Virtualization	62/451333
UE Mobility Across Super-Cells	62/454633
Sinter and Intrasearch Beacon	62/459639

SON Accounting for Max Supported Geographical Distance	62/463468
Base Station with Interference Monitoring	62/503305
Mobile Base Station Drive Test Optimization	62/507984
Virtualized Cell Architecture	62/574152
Efficient Method to Update Packet Filters on Devices in Wireless Network	62/582231
Two-Factor Authentication in a Cellular Radio Access Network	62/586334
Mesh & LTE Access Collective Admission Control	62/591134



SUPPLEMENT NO. 1 TO INTELLECTUAL PROPERTY SECURITY AGREEMENT

EXHIBIT "C"

Trademarks

Mark:

Application No.:

BHM

87640948