

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT5703846

SUBMISSION TYPE:	NEW ASSIGNMENT	
NATURE OF CONVEYANCE:	ASSIGNMENT	
CONVEYING PARTY DATA		
	Name	Execution Date
	MANISHA SAMEER GAMBHIR-PAREKH	08/29/2019
RECEIVING PARTY DATA		
Name:	PARALLEL WIRELESS, INC.	
Street Address:	100 INNOVATIVE WAY, SUITE 3410	
City:	NASHUA	
State/Country:	NEW HAMPSHIRE	
Postal Code:	03062	
PROPERTY NUMBERS Total: 6		
Property Type	Number	
Application Number:	62717794	
Application Number:	16538742	
Application Number:	62755959	
Application Number:	62767256	
Application Number:	62819420	
Application Number:	62822647	
CORRESPONDENCE DATA		
Fax Number:		
<i>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.</i>		
Phone:	603-589-9937	
Email:	ip.inbox@parallelwireless.com	
Correspondent Name:	PARALLEL WIRELESS, INC.	
Address Line 1:	100 INNOVATIVE WAY, SUITE 3410	
Address Line 4:	NASHUA, NEW HAMPSHIRE 03062	
NAME OF SUBMITTER:	BIJAN RAZZAGHI	
SIGNATURE:	/Bijan Razzaghi/	
DATE SIGNED:	09/05/2019	
Total Attachments: 3		
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ASSIGNMENT
(Patent Applications)

I, the undersigned, have invented or co-invented certain inventions and improvements disclosed in the PCT, utility (provisional or non-provisional) or design patent applications identified below, or identified in documents or oral disclosures provided to Parallel Wireless under the designated attorney docket number:

Attorney Docket Number	Application Number	Title	Date Filed
PWS-72624US00	TO BE ADDED WHEN KNOWN	Accelerated Route Lookup for IPSec Tunnel	TO BE ADDED WHEN KNOWN
PWS-72574US00	62/717,794	Network Address Translation with TEID	August 11, 2018
PWS-72574US01	16/538,742	Network Address Translation with TEID	August 12, 2019
PWS-72580US00	62/755,959	Locally-Generated TEIDs for Core High Availability	November 5, 2018
PWS-72591US00	62/767,256	Idle Mode Signaling Reduction Core Offload	November 14, 2018
PWS-72582US00	62/819,420	Multi-UE and Multi Message Support in Tunnel Management Messages	March 15, 2019
PWS-72594US00	62/822,647	Diameter Multifold Message	March 22, 2019

For one dollar (\$1.00) and other good and valuable consideration, the receipt and sufficiency of which we/I acknowledge, we/I:

1. Hereby assign, transfer, convey, and sell and have assigned, transferred, conveyed, and sold to Parallel Wireless Inc., a corporation, having a principal place of business at 100 Innovative Way, Suite 3410, Nashua, NH, 03062 ("Assignee"), the entire right, title, and interest in and to:
 - a. all intellectual property (including, without limitation, any innovation, information, invention, discovery, product, process, work or design) disclosed, embodied, shown, or claimed in the above-referenced patent applications, implicitly or explicitly, or in any documents or oral disclosures provided to Parallel Wireless, Inc. prior to June 15, 2018 relating to the above-referenced inventions;
 - b. the above-referenced patent applications, the right to claim priority to the above-referenced patent applications, all applications based in whole or in part upon the above-referenced patent applications, including, without limitation, all applications that are a provisional, non-provisional, design, divisional, continuation, continuation-in-part, registration, utility model, industrial design, national phase application in any country, reissue,

- renewal, substitute, extension, reexamination, post-grant review, inter partes review, supplemental examination or non-U.S. patent application or application for other rights based in whole or in part on the above-referenced patent applications;
- c. all patents (including, without limitation, all U.S. and non-U.S. patents, registrations, utility models, industrial designs, design patents, counterparts, continuations, continuations-in-part, divisionals, reissues, renewals, substitutes, extensions, national phase applications in any country, reexaminations, post-grant reviews, inter partes reviews, and supplemental examinations) that are granted or issued upon, or that claim priority to, any and all applications described in (b) of this paragraph or that disclose or claim intellectual property described in (a) of this paragraph, in whole or in part; and
 - d. all claims for damages by reason of past infringement of any rights under the applications or patents described in (a), (b) or (c) of this paragraph (including provisional rights to reasonable royalties pursuant to 35 U.S.C. § 154(d)) and the right to sue for and collect such damages and royalties for Assignee's own use.
- 2. Authorize and request the U.S. Patent and Trademark Office or any other U.S. or non-U.S. agency to issue to the Assignee any and all patent(s), or other rights or documents, resulting from the intellectual property, patent application(s) and patents described in paragraph 1 of this Assignment.
 - 3. Agree to sign all papers and documents, including without limitation, applications, declarations, oaths and petitions, and, at the Assignee's expense, perform any other acts that are necessary in connection with prosecution of patent application(s) or intellectual property described in paragraph 1 of this Assignment and the enforcement of patent(s) or other rights resulting from such patent application(s) or intellectual property.
 - 4. Agree that the terms, covenants, and conditions of this Assignment shall inure to the benefit of the Assignee, its successors, assigns and other legal representative, and shall be binding upon us/me, as well as our/my heirs, legal representatives, and assigns.
 - 5. Promise and affirm that we/I have not entered, and will not enter, into any assignment, contract, or understanding that conflicts with this Assignment.
 - 6. Authorize counsel of record to insert above the application number(s) and filing date(s) of the above-described patent applications when known.

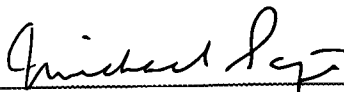
[SIGNATURE PAGE FOLLOWS]

Signed on the date indicated beside my signature.

Signature: 
Manisha Sameer Gambhir-Parekh

Date: 29-Aug-2019

Parallel Wireless, Inc.

Signature: 

Date: 2019-09-05

Name: Michael Saji

Title: Director, I.P., and Sr. Corporate Counsel