

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
INTELLECTUAL VENTURES HOLDING 81 LLC	06/18/2013
RECEIVING PARTY DATA	
Name:	INTELLECTUAL VENTURES II LLC
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Property Type	Number
Patent Number:	9749973
Patent Number:	10477497
Application Number:	16680052
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Total Attachments: 3	
source=IPWireless IV Holding 81 to IV II LLC - 7848353 and 7356098 family US 18June2013#page1.tif	
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ASSIGNMENT OF PATENT RIGHTS

For good and valuable consideration, the receipt of which is hereby acknowledged, Intellectual Ventures Holding 81 LLC, a Nevada limited liability company, with its registered address at 2215-B Renaissance Drive, Suite 5, Las Vegas, NV 89119 ("*Assignor*"), does hereby sell, assign, transfer, and convey unto Intellectual Ventures II LLC, a Delaware limited liability company with an office at 2711 Centerville Road, Suite 400, Wilmington, DE 19808 ("*Assignee*"), all of Assignor's right, title, and interest in and to the following (collectively, the "*Assigned Patent Rights*");

- (a) the patents and patent applications listed in the table below (the "*Patents*");

<u>Patent or application no.</u>	<u>Country</u>	<u>Filing Date</u>	<u>Title of Patent and First Named Inventors</u>
7356098	US	11/13/2002	Method, communication system and communication unit for synchronisation for multi-rate communication Paul Howard
7848353	US	2/19/2008	Method, communication system and communication unit for synchronisation for multi-rate communication Paul Howard
8396079	US	12/6/2010	Communication units operating with various bandwidths Paul Howard
SE1483848	SE	11/14/2002	Method, communication system and communication unit for synchronisation for multi-rate communication Paul Howard
EP10183191.5	EP	11/14/2002	Method, communication system and communication unit for synchronisation for multi-rate communication Paul Howard
13/787115	US	3/6/2013	Synchronization In A Flexible Bandwidth Wireless Network Paul Howard
EP1483848	EP	11/14/2002	Method, communication system and communication unit for synchronisation for multi-rate communication Paul Howard
DK1483848	DK	11/14/2002	Method, communication system and communication unit for synchronisation for multi-rate communication Paul Howard

FI1483848	FI	11/14/2002	Method, communication system and communication unit for synchronisation for multi-rate communication Paul Howard
NL1483848	NL	11/14/2002	Method, communication system and communication unit for synchronisation for multi-rate communication Paul Howard
ES1483848	ES	11/14/2002	Method, communication system and communication unit for synchronisation for multi-rate communication Paul Howard
IT1483848	IT	11/14/2002	Method, communication system and communication unit for synchronisation for multi-rate communication Paul Howard
PCT/GB2002/005151	PCT	11/14/2002	Method, communication system and communication unit for synchronisation for multi-rate communication Paul Howard
GB0127319.2	GB	11/14/2001	Method, communication system and communication unit for synchronisation for multi-rate communication Paul Howard
DE60243964.7	DE	11/14/2002	Method, communication system and communication unit for synchronisation for multi-rate communication Paul Howard
GB1483848	GB	11/14/2002	Method, communication system and communication unit for synchronisation for multi-rate communication Paul Howard
IE1483848	IE	11/14/2002	Method, communication system and communication unit for synchronisation for multi-rate communication Paul Howard
FR1483848	FR	11/14/2002	Method, communication system and communication unit for synchronisation for multi-rate communication Paul Howard

(b) any future reissues, reexaminations, extensions, continuations, continuing prosecution application, requests for continuing examinations, divisions, and registrations, filed on or after the date of signature of this assignment, of any of the Patents;

(c) rights to apply in any or all countries of the world for future patents, certificates of invention, utility models, industrial design protections, design patent protections, or other future governmental grants or issuances of any type related to the Patents; and

(d) causes of action and enforcement rights of any kind under, or on account of, any of the Patents and/or any of the items described in either of the foregoing categories (b) or (c), including, without limitation, all causes of action, enforcement rights and all other rights to seek and obtain any other remedies of any kind for past, current and future infringement. Patents excludes any continuations, continuing prosecution applications, requests for continuing examinations, divisions, and registrations of the Patents, filed on or after the date of signature of this assignment, unless explicitly listed herein.

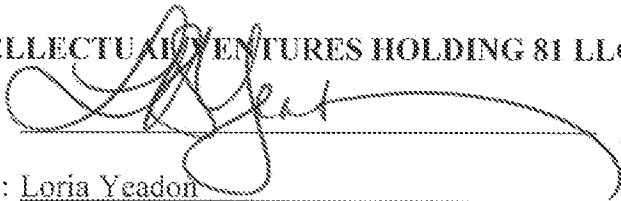
Assignor hereby authorizes the respective patent office or governmental agency in each jurisdiction to issue any and all future patents, certificates of invention, utility models or other governmental grants or issuances that may be granted upon any of the Assigned Patent Rights in the name of Assignee, as the assignee to the entire interest therein. This Assignment of Patent Rights will inure for the benefit of any permitted successors or assigns of Assignee.

Assignor will, at the reasonable request of Assignee, do all things necessary and proper, to confirm the assignment to Assignee of the Assigned Patent Rights pursuant to this Assignment of Patent Rights, including without limitation, the execution, acknowledgment, and recordation of specific assignments, oaths, declarations, and other documents on a country-by-country basis, to assist Assignee in obtaining and perfecting the Assigned Patent Rights

IN WITNESS WHEREOF this Assignment of Patent Rights is executed on June 18, 2013.

ASSIGNOR:

INTELLECTUAL VENTURES HOLDING 81 LLC

By: 

Name: Loria Yeadon

Title: Authorized Person