

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
YAJUN ZHU	03/04/2013
RECEIVING PARTY DATA	
Name:	RIM Mobile Sci & Tech (China) Co., Ltd.
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State/Country:	CHINA
Postal Code:	100027
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	15988886
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ATTORNEY DOCKET NUMBER:	46746-1-US-CNT2 (40305)
NAME OF SUBMITTER:	J. ROBERT BROWN, JR.
SIGNATURE:	/J. Robert Brown, Jr./
DATE SIGNED:	06/15/2018
Total Attachments: 3	
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WORLDWIDE ASSIGNMENT

WHEREAS, I/WE, (hereinafter referred to as the "ASSIGNOR(S)"):

Yajun ZHU, 6/F, East Tower, Beijing World Financial Center, No.1, Ext. 55173, Dong San Huan Zhong Road, Chaoyang District, Beijing 100020, P.R. China

am an/are inventor(s) of an invention entitled **DESIGN FOR SMALL CELL DEMODULATION REFERENCE SIGNAL AND INITIAL SYNCHRONIZATION** ("Invention") for which one or more applications for patent, design registration, utility model registration, or other form of protection, rights, or title have been or will be made in certain countries ("Applications"), as further described below:

US, Application # 13/767,682 filed February 14, 2013

PCT, Application # PCT/US2013/26201 filed February 14, 2013

AND WHEREAS, **RIM MOBILE SCI&TECH (CHINA) CO., LTD.**, (hereinafter referred to as the "ASSIGNEE"), a limited liability company (wholly-owned by foreign corporate enterprise) established under the laws of the People's Republic of China, having a place of business at Room 32 - 14th Floor, IBM Tower, Pacific Century Place, 2A Workers Stadium Road North, Chaoyang District, Beijing, China, 100027 is desirous of acquiring the full and exclusive right, title and interest in and to said Invention, said Applications inclusive of all ancillary rights relating thereto, any and all priority rights derived from said Applications, and all patents, design registrations, utility model registrations and other forms of protection, rights and titles relating to said Invention, in any country or countries and in respect of the whole or any part or parts of or improvements to the Invention;

NOW THEREFORE, for valuable consideration, the receipt and sufficiency of which are hereby acknowledged, ASSIGNOR(S) does/do hereby confirm that ASSIGNOR(S) has/have transferred, conveyed and assigned, and by way of further assurance does/do hereby transfer, convey and assign, any and all of ASSIGNOR(S)'s respective rights, title and interest in and to: the Invention; the Applications; inclusive of any and all priority rights, including the right to claim priority, derived from the Applications; any further applications for patent, design registration, utility model registration or other forms of protection, rights or titles for the whole or any part or parts of or improvements to the Invention in any country or countries ("Further Applications") together with the right to file divisional applications, substitute applications and continuation applications of any one or more of the Applications and Further Applications ("Divisionals"); the right to obtain patents, design registrations, utility model registrations and all other forms of protection, rights and titles relating to the Invention; the right in and to any patent or reissue patent relating to the Applications, Further Applications and Divisionals ("Grants"); and the right to obtain any extensions / supplementary protection certificates ("Extensions");

together with the right to bring proceedings to recover damages and/or to obtain other remedies for acts committed in respect of one or more of the aforesaid Invention, Applications, Grants, Further Applications, Divisionals and Extensions, whether such acts are committed before or after the date of this Worldwide Assignment; with the intent that the Invention, Applications, Grants, Further Applications, Divisionals and Extensions are owned and enjoyed by ASSIGNEE absolutely to the full end of the term or terms for same.

ASSIGNOR(S) does/do hereby agree, upon request, to provide assistance and to execute any and all further documents, at the expense of ASSIGNEE and/or its successors and assigns (as applicable), which may be necessary or desirable to enable ASSIGNEE, and/or its successors and assigns (as applicable), to file, prosecute, bring proceedings and take other actions with respect to any and all of the Invention, Applications, Further Applications, Divisionals, Grants and Extensions, and any and all patents and registrations granted thereon and other forms of protection, rights and titles relating thereto, and ASSIGNOR(S) further agrees/agree to execute, upon request and at the expense of ASSIGNEE and/or its successors and assigns (as applicable), any and all further documents which may be necessary or desirable to vest or perfect the title of ASSIGNEE therein.

ASSIGNOR(S) does/do hereby authorize ASSIGNEE or its patent agents or attorneys to insert, above, the jurisdictions, application numbers, filing dates and any other indicia identifying the Applications when such information is available for the purpose of recording this assignment.

ASSIGNOR(S) does/do hereby authorize and request The Commissioner of Patents or any equivalent authority to issue to ASSIGNEE each and every patent, registration and other form of protection, right, and title granted upon the Applications, Further Applications, Divisionals and Extensions.

THIS WORLDWIDE ASSIGNMENT shall inure to the benefit of ASSIGNEE and its successors and assigns, and shall be binding upon ASSIGNOR(S) and their successors and permitted assigns.

DELIVERY of this Worldwide Assignment by copy, however transmitted, constitutes valid and effective delivery. This Worldwide Assignment may be executed in one or more counterparts, each of which when so executed and delivered shall be an original, and such counterparts shall together constitute one and the same instrument.

RIM Family Ref. No.: 46746-1-ID

IN WITNESS WHEREOF, this Worldwide Assignment has been executed below by the undersigned:

YAJUN. ZHU

Date: Mar. 4, 2013

Yajun ZHU
6/F, East Tower, Beijing World
Financial Center, No.1, Ext. 55173,
Dong San Huan Zhong Road, Chaoyang
District, Beijing 100020, P.R. China

STATEMENT BY WITNESS

I, ZHANG QUNLIAN, whose full Post Office address is
6/F, East Tower, Beijing World Financial Center, No.1, Ext. 55176, Dong San
Huan Zhong Road, Chaoyang District, Beijing 100020, P.R. China
(Address of Witness)

hereby declare that I was personally present and did see the above named person, personally known to me to be a person named in the Worldwide Assignment, duly sign and execute same.

Zhang Qunlian
(Signature of Witness)

Date: Mar. 6, 2013