

## PATENT ASSIGNMENT COVER SHEET

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EPAS ID: PAT3517607

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT	
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT	
<b>CONVEYING PARTY DATA</b>		
	<b>Name</b>	<b>Execution Date</b>
	ZHUO CHEN	08/19/2015
	HONGKUN LI	08/12/2015
	CHONGGANG WANG	07/16/2015
	QING LI	07/29/2015
	PAUL L. RUSSELL JR	08/07/2015
	TAO HAN	07/14/2015
<b>RECEIVING PARTY DATA</b>		
<b>Name:</b>	CONVIDA WIRELESS, LLC	
<b>Street Address:</b>	200 BELLEVUE PARKWAY	
<b>Internal Address:</b>	SUITE 300	
<b>City:</b>	WILMINGTON	
<b>State/Country:</b>	DELAWARE	
<b>Postal Code:</b>	19809	
<b>PROPERTY NUMBERS Total: 1</b>		
	<b>Property Type</b>	<b>Number</b>
	Application Number:	14701329
<b>CORRESPONDENCE DATA</b>		
<b>Fax Number:</b>	(215)568-3439	
<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>		
<b>Phone:</b>	215-568-3100	
<b>Email:</b>	assignments@bakerlaw.com	
<b>Correspondent Name:</b>	BAKER & HOSTETLER LLP	
<b>Address Line 1:</b>	2929 ARCH STREET, 12TH FLOOR	
<b>Address Line 2:</b>	CIRA CENTER	
<b>Address Line 4:</b>	PHILADELPHIA, PENNSYLVANIA 19104	
<b>ATTORNEY DOCKET NUMBER:</b>	101859000196/CNV12134US02	
<b>NAME OF SUBMITTER:</b>	MARYANN DEVINE	
<b>SIGNATURE:</b>	/MaryAnn Devine/	
<b>DATE SIGNED:</b>	09/09/2015	

PATENT

**Total Attachments: 8**

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## ASSIGNMENT

WHEREAS;

- |   |  |
|---|--|
| 1.     Zhuo Chen<br>1397 Parish Avenue<br>Claymont, DE 19703    | 4.     Qing Li<br>25 Hawthorne Drive<br>Princeton Junction, NJ 08550   |
| 2.     Hongkun Li<br>107 Forge Court<br>Malvern, PA 19355       | 5.     Paul L. Russell, Jr.<br>8 Michael Way<br>Pennington, NJ 08534   |
| 3.     Chonggang Wang<br>9 Carlyle Court<br>Princeton, NJ 08540 | 6.     Tao Han<br>21 Beech Street, Apt. 2<br>North Arlington, NJ 07031 |

hereinafter referred to as the ASSIGNORS, are joint inventors of certain inventions or improvements for which we have made application for Letters Patent to the United States, identified as Application No. 14/701,329, filed April 30, 2015, entitled **APPARATUS AND METHOD OF USING TIME REUSE FRAME STRUCTURES FOR MULTI-HOP COMMUNICATIONS** and

WHEREAS, Convida Wireless, LLC, hereinafter referred to as the ASSIGNEE, of 200 Bellevue Parkway, Suite 300, Wilmington, Delaware 19809-3727, a corporation of Delaware, is desirous of acquiring the entire right, title and interest in and to said application, and in, to and under any and all Letters Patent which may be granted on or as a result thereof in any and all countries.

NOW, THEREFORE, for good and valuable consideration, the receipt of which is hereby acknowledged, and intending to be legally bound hereby, we, the said ASSIGNORS, have sold, assigned, transferred and set over, and by these presents do hereby sell, assign, transfer and set over to said ASSIGNEE, our entire right, title and interest in and to said application and any and all continuations, divisions and renewals of and substitutes for said application, and in, to and under any and all Letters Patent which may be granted on or as a result thereof in the United States and any and all other countries, and any reissue or reissues or extension or extensions of said Letters Patent, including our full right to sue for and collect damages for past violations of provisional rights having arisen from any publication of said

application or any continuations, divisions, or renewals of or substitutes for said application (hereinafter collectively "PATENT RIGHTS"). We further assign to and authorize said ASSIGNEE, to file in our names applications for PATENT RIGHTS in all countries, the same to be held and enjoyed by said ASSIGNEE, its successors, assigns, nominees or legal representatives, to the full end of the term or terms for which said PATENT RIGHTS respectively may be granted, reissued or extended, as fully and entirely as the same would have been held and enjoyed by us had this assignment, sale and transfer not been made.

AND we hereby covenant that we have full right to convey the entire interest herein assigned, and that we have not executed and will not execute any agreement in conflict herewith, and we further covenant and agree that we will each time request is made and without undue delay, execute and deliver all such papers as may be necessary or desirable to perfect the title to said PATENT RIGHTS to said ASSIGNEE, its successors, assigns, nominees, or legal representatives, and each of us agrees to communicate to said ASSIGNEE or to its nominee all known facts respecting said PATENT RIGHTS, to testify in any legal proceedings, to sign all lawful papers to execute all disclaimers and divisional, continuing, reissue and foreign applications, to make all rightful oaths, and generally to do everything possible to aid said ASSIGNEE, its successors, assigns, nominees and legal representatives to obtain and enforce for its or their own benefit proper protection for said PATENT RIGHTS in any and all countries.

AND we hereby authorize and request the Commissioner of Patents and Trademarks of the United States and any official of any country or countries foreign to the United States whose duty it is to issue patents on applications as aforesaid, to issue to said ASSIGNEE, as ASSIGNEE of the entire right, title and interest in said PATENT RIGHTS, any and all Letters Patent for said PATENT RIGHTS, including any and all Letters Patent of the United States which may be issued and granted on or as a result of the application aforesaid, in accordance with the terms of this assignment.

AND this Assignment may be executed in multiple counterparts, each of which shall be deemed to be an original of this Assignment. Additionally, we hereby authorize our attorneys to collect the signature pages of each executed counterpart and to attach those signature pages to a single copy of this instrument, which single copy and attached signature pages together shall constitute an original of this Assignment.

IN WITNESS WHEREOF, we have hereunto set our hands and seals.

DOCKET NO.: 101859.000196/CNV12134US02

19 August 2015   
Date Zhuo Chen

SIGNED at 781 Third Ave, King of Prussia, PA 19406 USA  
(City and State or Country)

STATEMENT OF WITNESS: I, Wilma MacRae  
Name of Witness

whose full address is: 781 Third Ave, King of Prussia, PA 19406 USA  
Address of Witness

was personally present and did see Zhuo Chen execute this assignment on the 19th day of August, 2015, and such assignor is personally known to me to be the person described herein.

  
Signature of Witness

Date 12-AUG-2015 Hongkun Li  
Date Hongkun Li

781 Third Ave, King of Prussia, PA 19406 USA

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(City and State or Country)

WILMA MACRAE  
Name of Witness

781 Third Ave, King of Prussia, PA 19406 USA

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Address of Witness

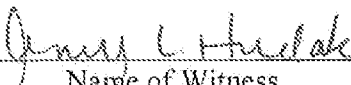
William MacBride  
Signature of Witness

DOCKET NO.: 101859.000196/CNV12134US02

16 July 2015  
Date

  
Chonggang Wang

SIGNED at 781 Third Ave, King of Prussia, PA 19406 USA  
(City and State or Country)

STATEMENT OF WITNESS: I,   
Name of Witness

whose full address is: 781 Third Ave, King of Prussia, PA 19406 USA  
Address of Witness

was personally present and did see Chonggang Wang execute this assignment on the 16th day  
of July, 2015, and such assignor is personally known to me to be the person  
described herein.

  
Signature of Witness

DOCKET NO.: 101859.000196/CNV12134US02

29 July 2015   
Date Qing Li

SIGNED at 781 Third Ave, King of Prussia, PA 19406 USA  
(City and State or Country)

STATEMENT OF WITNESS: I, Wilma Mackae  
Name of Witness

whose full address is: 781 Third Ave, King of Prussia, PA 19406 USA  
Address of Witness

was personally present and did see Qing Li execute this assignment on the 29th day of July, 2015, and such assignor is personally known to me to be the person described herein.

  
Signature of Witness



DOCKET NO.: 101859.000196/CNV12134US02

07 Aug 2015  
Date Paul L. Russell, Jr.

SIGNED at 781 Third Ave, King of Prussia, PA 19406 USA  
(City and State or Country)

STATEMENT OF WITNESS: I, Amy L. Hadak  
Name of Witness

whose full address is: 781 Third Ave, King of Prussia, PA 19406 USA  
Address of Witness

was personally present and did see Paul L. Russell, Jr. execute this assignment on the 7th  
day of August, 2015, and such assignor is personally known to me to be the person  
described herein.

Amy L. Hadak  
Signature of Witness

DOCKET NO.: 101859.000196/CNV12134US02

7/14/2015      Tao Han  
Date                      Signature

SIGNED at      North Arlington, New Jersey, U.S.A  
(City and State or Country)

STATEMENT OF WITNESS: I, Ying Cui  
Name of Witness

whose full address is: 21 Beech street, Apt. 2, North Arlington, NJ  
Address of Witness

was personally present and did see Tao Han execute this assignment on the 14 day of  
July, 2015, and such assignor is personally known to me to be the person  
described herein.

Ying Cui  
Signature of Witness