

## PATENT ASSIGNMENT COVER SHEET

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EPAS ID: PAT4475118

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
LAKSHMI R. IYER	06/01/2017
ALLAN Y. TSAI	06/02/2017
TIANYI XU	05/24/2017
GUODONG ZHANG	05/31/2017
PASCAL M. ADJAKPLE	06/02/2017
QING LI	06/01/2017
WEI CHEN	05/11/2017
QIAN (EMILY) ZHANG	05/12/2017
JOSEPH M. MURRAY	05/23/2017
<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>
<b>Application Number:</b>	15492779
<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>	2155683100
<b>Email:</b>	assignments@bakerlaw.com
<b>Correspondent Name:</b>	BAKER & HOSTETLER LLP
<b>Address Line 1:</b>	2929 ARCH STREET
<b>Address Line 2:</b>	CIRA CENTER, 12TH FLOOR
<b>Address Line 4:</b>	PHILADELPHIA, PENNSYLVANIA 19104
<b>ATTORNEY DOCKET NUMBER:</b>	10669300042/CNV13044US01

PATENT

<b>NAME OF SUBMITTER:</b>	MARYANN DEVINE
<b>SIGNATURE:</b>	/MARYANN DEVINE/
<b>DATE SIGNED:</b>	06/23/2017
<b>Total Attachments: 11</b> source=Executed_Assignment#page1.tif source=Executed_Assignment#page2.tif source=Executed_Assignment#page3.tif source=Executed_Assignment#page4.tif source=Executed_Assignment#page5.tif source=Executed_Assignment#page6.tif source=Executed_Assignment#page7.tif source=Executed_Assignment#page8.tif source=Executed_Assignment#page9.tif source=Executed_Assignment#page10.tif source=Executed_Assignment#page11.tif	

ASSIGNMENT

WHEREAS:

- |   |  |
|---|--|
| 1. Lakshmi R. Iyer<br>11207 Valley Forge Circle, #1207<br>King of Prussia, PA 19406 | 6. Qing Li<br>25 Hawthorne Drive<br>Princeton, NJ 08550              |
| 2. Allan Y. Tsai<br>10 Jolie Court<br>Boonton, NJ 07005                             | 7. Wei Chen<br>9135 Judicial Drive, Apt. 3216<br>San Diego, CA 92122 |
| 3. Tianyi Xu<br>11717 Stoney Peak Drive, Apt. 17<br>San Diego, CA 92128             | 8. Qian (Emily) Zhang<br>335 Penns Way<br>Basking Ridge, NJ 07920    |
| 4. Guodong Zhang<br>14 Walnut Drive<br>Syosset, NY 11791                            | 9. Joseph M. Murray<br>12 Ashley Drive<br>Schwenksville, PA 19473    |
| 5. Pascal M. Adjakple<br>67 Red Brook Road<br>Great Neck, NY 11024                  |  |

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. 15/492,779, filed April 20, 2017, entitled **PHYSICAL CHANNELS IN NEW RADIO** 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.: 106693.000042/CNV13044US02

01-JUN-2017 *Lakshmi*  
Date Lakshmi R. Iyer

SIGNED at 1001 E. Hector Street, Suite 300  
Conshohocken, PA 19428 USA  
(City and State or Country)

STATEMENT OF WITNESS: I, *William MacRae*  
Name of Witness  
1001 E. Hector Street, Suite 300  
whose full address is: Conshohocken, PA 19428 USA  
Address of Witness

was personally present and did see Lakshmi R. Iyer execute this assignment on the 1st day  
of JUNE, 2017, and such assignor is personally known to me to be the person  
described herein.

*William MacRae*  
Signature of Witness

DOCKET NO.: 106693.000042/CNV13044US02

Date 6/2/17 allan Y. Tsai

SIGNED at Melville NY USA  
(City and State or Country)

STATEMENT OF WITNESS: I, BRIDGET LETREN  
Name of Witness  
2 Huntington Quadrangle, 4th Fl/South Wing  
whose full address is: Melville, NY 11747 USA  
Address of Witness

was personally present and did see Allan Y. Tsai execute this assignment on the 2 day of June, 2017, and such assignor is personally known to me to be the person described herein.

Bridgett Letren  
Signature of Witness

Date 5/24/2017 Tianyi Xu

SIGNED at Palo Alto, CA  
(City and State or Country)

STATEMENT OF WITNESS: I, Ying Teng  
Name of Witness

whose full address is: 2925 Manda Drive, San Jose, CA 95124  
Address of Witness

was personally present and did see Tianyi Xu execute this assignment on the 29 day of May, 2017, and such assignor is personally known to me to be the person described herein.

[Signature]  
Signature of Witness

DOCKET NO.: 106693.000042/CNV13044US02

Date 5/31/17 Guodong Zhang

SIGNED at Melville NY USA  
(City and State or Country)

STATEMENT OF WITNESS: I, BRIDGETT LETREN  
Name of Witness  
2 Huntington Quadrangle, 4th Fl/South Wing  
Melville, NY 11747 USA  
whose full address is:  
Address of Witness

was personally present and did see Guodong Zhang execute this assignment on the 31 day  
of MAY, 2017, and such assignor is personally known to me to be the person  
described herein.

Bridgett Letren  
Signature of Witness



DOCKET NO.: 106693.000042/CNV13044US02

Date 6/2/17 Pascal M. Adjakple

SIGNED at Malville NY USA  
(City and State or Country)

STATEMENT OF WITNESS: I, BRIDGET LEIREN  
Name of Witness  
2 Huntington Quadrangle, 4th Fl/South Wing  
Malville, NY 11747 USA  
whose full address is:  
Address of Witness

was personally present and did see Pascal M. Adjakple execute this assignment on the 2  
day of June, 2017, and such assignor is personally known to me to be the person  
described herein.

Bridget Leiren  
Signature of Witness

DOCKET NO.: 106693.000042/CNV13044US02

01-JUN-2017  
Date Qing Li

SIGNED at 1001 E. Hector Street, Suite 300  
Conshohocken, PA 19428 USA  
(City and State or Country)

STATEMENT OF WITNESS: I, William MacRae  
Name of Witness  
whose full address is: 1001 E. Hector Street, Suite 300  
Conshohocken, PA 19428 USA  
Address of Witness

was personally present and did see Qing Li execute this assignment on the 1st day of  
JUNE, 2017, and such assignor is personally known to me to be the person  
described herein.

William MacRae  
Signature of Witness

DOCKET NO.: 106693.000042/CNV13044US02

Date 05/11/2017 Wei Chen  
Date Wei Chen

SIGNED at 9710 Scranton Road, #250  
San Diego, CA 92121, USA  
(City and State or Country)

STATEMENT OF WITNESS: I, Julie McDonagh  
Name of Witness  
whose full address is: 9710 Scranton Road, #250  
San Diego, CA 92121, USA  
Address of Witness

was personally present and did see Wei Chen execute this assignment on the 11<sup>th</sup> day of May, 2017, and such assignor is personally known to me to be the person described herein.

Julie McDonagh  
Signature of Witness

DOCKET NO.: 106693.000042/CNV13044US02

5/12/2017 Zhang  
Date Qian (Emily) Zhang

SIGNED at Bridgewater, NJ  
(City and State or Country)

STATEMENT OF WITNESS: I, Xuan Lu  
Name of Witness

whose full address is: 400 Crossing Blvd. Bridgewater, NJ, 08807  
Address of Witness

was personally present and did see Qian (Emily) Zhang execute this assignment on the 12  
day of May, 2017, and such assignor is personally known to me to be the person  
described herein.

[Signature]  
Signature of Witness

DOCKET NO.: 106693.000042/CNV13044US02

23 May 2017  
Date

Joseph M. Murray  
Joseph M. Murray

SIGNED at 1001 E. Hector Street, Suite 300  
Conshohocken, PA 19428 USA  
(City and State or Country)

STATEMENT OF WITNESS: I, Amy L. Haddock  
Name of Witness  
whose full address is: 1001 E. Hector Street, Suite 300  
Conshohocken, PA 19428 USA  
Address of Witness

was personally present and did see Joseph M. Murray execute this assignment on the 23rd  
day of May, 2017, and such assignor is personally known to me to be the person  
described herein.

Amy L. Haddock  
Signature of Witness