

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT5210118

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
JANET A STERN-BERKOWITZ	09/19/2017
POURIYA SADEGHI	09/05/2018
J. PATRICK TOOHER	10/27/2017
SAMIAN KAUR	04/06/2018
MARIAN RUDOLF	10/26/2017
PASCAL M. ADJAKPLE	09/22/2017
RECEIVING PARTY DATA	
Name:	INTERDIGITAL PATENT HOLDINGS, INC.
Street Address:	200 BELLEVUE PARKWAY
Internal Address:	SUITE 300
City:	WILMINGTON
State/Country:	DELAWARE
Postal Code:	19809
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	15543794
CORRESPONDENCE DATA	
Fax Number:	(215)558-5676
<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:	2155585740
Email:	docketing@condoroccia.com, ckatz@condoroccia.com
Correspondent Name:	CONDO ROCCIA KOPTIW LLP
Address Line 1:	1800 JFK BOULEVARD
Address Line 2:	SUITE 1700
Address Line 4:	PHILADELPHIA, PENNSYLVANIA 19103
ATTORNEY DOCKET NUMBER:	ILTE_12425US02
NAME OF SUBMITTER:	CASSANDRA KATZ
SIGNATURE:	/Cassandra Katz/
DATE SIGNED:	10/29/2018

PATENT

Total Attachments: 9

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PATENT ASSIGNMENT

WHEREAS, We,

- | | |
|---|---|
| 1. Janet A Stern-Berkowitz
41-20 Glenwood Street
Little Neck, New York, 11363
United States of America | 2. Pouriya Sadeghi
15653 Tanner Ridge Rd
San Diego, California, 92127
United States of America |
| 3. J. Patrick Tooher
7171 Drolet
Montreal, Quebec, H2R 2C1
Canada | 4. Samian Kaur
6 Ashwood Lane
Plymouth Meeting, Pennsylvania, 19462
United States of America |
| 5. Marian Rudolf
1843 Rue Baile
Montreal, Quebec, H3H 1P5
Canada | 6. Pascal M. Adjakple
67 Red Brook Road
Great Neck, New York, 11024
United States of America |

(hereinafter "Assignors"), are joint inventors of certain inventions or improvements set forth in United States Patent Application No. 15/543,794 and International Application No. PCT/US16/15464, filed January 28, 2016, entitled:

Uplink Operation For LTE in an Unlicensed Band ("Patent Application"); and

WHEREAS, InterDigital Patent Holdings, Inc., a Delaware corporation having a place of business at 200 Bellevue Parkway, Suite 300, Wilmington, DE 19809 (hereinafter "Assignee"), is desirous of acquiring the entire right, title and interest in, to and under the Patent Application; the inventions, discoveries and improvements disclosed or claimed therein ("Inventions"); and any and all patents, certificates of invention, utility models and other forms of protection which may be granted thereon or as a result thereof in any and all countries ("Patents").

NOW, THEREFORE, for good and valuable consideration, the receipt of which is hereby acknowledged, and intending to be legally bound hereby, we, the undersigned Assignors, hereby agree to sell, assign, transfer and convey, and by these presents do sell, assign, transfer and convey to Assignee, our entire right, title and interest in and to any and all of the following:

- i. the Patent Application, the Inventions and the Patents, for the United States, its possessions and territories and all foreign countries and territories;
- ii. the rights of priority created by the Patent Application and the Patents under any treaty relating thereto, including the rights to apply for Patents covering the Inventions in any and all countries;

- iii. any and all patent applications and Patents resulting from the Patent Application or covering the Inventions in any and all countries, including provisionals, non-provisionals, divisionals, continuations, continuations-in-part, renewals, substitutions, extensions, reissues and re-examinations thereof;
- iv. all past, present and future causes of action and enforcement rights, whether currently pending, filed or otherwise, in connection with the Patent Application, the Inventions, the Patents, or the patents and patent applications resulting therefrom, including without limitation, all rights to sue for any past, present or future infringements thereof, including the rights to license and to collect and receive any damages, royalties, injunctive relief, and/or any other settlements or remedies for such infringements, and including any provisional rights having arisen from any publication of the Patent Application or any patent application resulting therefrom;

the same to be held and enjoyed by Assignee for its own use and enjoyment, and for the use and enjoyment of its successors, assigns and other legal representatives, as fully and entirely as the same would have been held and enjoyed by Assignors, if this Assignment and sale had not been made.

AND for the aforesaid consideration Assignors hereby covenant, agree and undertake to execute and deliver to Assignee, its successors, assigns, nominees, or legal representatives, whenever requested and without undue delay, all patent applications, assignments, oaths and any other papers which Assignee may deem necessary or desirable for securing to or maintaining for the Assignee the Patent Application, the Patents and the Inventions hereby assigned, and each of the undersigned Assignors agrees to communicate to Assignee or to its nominee all known facts respecting the Patent Application, the Patents and the Inventions, to testify in any legal or administrative proceeding related thereto, and generally to cooperate with and do everything possible to aid Assignee, its successors, assigns, nominees and legal representatives to obtain and enforce for their own benefit proper patent protection for the Inventions in any and all countries, all without further compensation to the undersigned Assignors.

AND Assignors 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 Assignee, as Assignee of the entire right, title and interest, any and all Patents for the Inventions that may be issued and granted on or as a result of the Patent Application, in accordance with the terms of this assignment.

AND Assignors hereby authorize Assignee or Assignee's representative to insert the application number and/or filing date of the Patent Application if they are unknown at the time of execution of this Assignment.

AND Assignors hereby covenant that Assignors have full right to convey the entire interest herein assigned, and that Assignors have not executed and will not execute any agreement in conflict herewith.

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 Assignee or

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Assignee's representative 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.

Date 9/19/17

Janet A Stern-Berkowitz
Janet A Stern-Berkowitz

MELVILLE, NEW YORK USA

Signed at _____
(City and Country)

STATEMENT OF WITNESS: I, BRIDGET LETREN

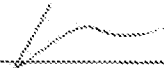
Name of Witness
2 HUNTINGTON QUADRANGLE
4TH FLOOR/SOUTH WING
MELVILLE, NY 11747 USA

whose full address is: _____
Address of Witness

was personally present and did see Janet A Stern-Berkowitz execute this Assignment on the _____
19 day of September, 2017 and such Assignor is personally known to
me to be the person described herein.

Bridgett Letren
Signature of Witness

9/5/2018
Date

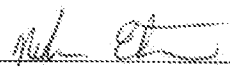

Pouriya Sadeghi

Signed at San Diego
(City and Country)

STATEMENT OF WITNESS: I, Neda Enticari
Name of Witness

whose full address is: 15653 Tanner Ridge Rd, San Diego, 92127
Address of Witness

was personally present and did see **Pouriya Sadeghi** execute this Assignment on the 5
day of 9, 2018 and such Assignor is personally known to me to be the
person described herein.


Signature of Witness

October 27, 2013
Date

J. Patrick Tooher
J. Patrick Tooher

Signed at Montreal, QC Canada
(City and Country)

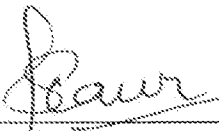
STATEMENT OF WITNESS: I, Berline 62201A
Name of Witness

1000 Sherbrooke St. West, 10th Floor
MTL, QC Canada H3A 3G4
whose full address is: _____
Address of Witness

was personally present and did see **J. Patrick Tooher** execute this Assignment on the 27
day of October, 2013 and such Assignor is personally known to me to be the
person described herein.

Berline 62201A
Signature of Witness

04/06/2018
Date

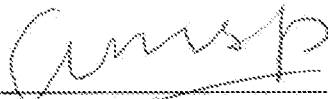

Samian Kaur

Signed at Philadelphia PA
(City and Country)

STATEMENT OF WITNESS: I, AMARDEEP SINGH
Name of Witness

whose full address is: 6 Ashwood Lane Plymouth Mtg PA 19462
Address of Witness

was personally present and did see **Samian Kaur** execute this Assignment on the 6th day of
April, 2018 and such Assignor is personally known to me to be the
person described herein.


Signature of Witness

PATENT ASSIGNMENT
Docket No.: ILTE_12425US02

26th October 2017
Date

Marian Rudolf
Marian Rudolf

Signed at Vienna, Austria
(City and Country)

STATEMENT OF WITNESS: I, Luminița Mihaela POPESCU
Name of Witness

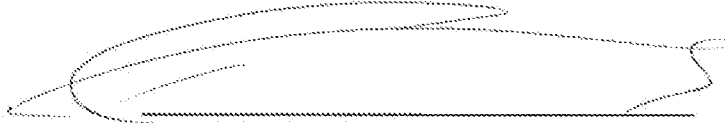
whose full address is: STREHLGASSE 5, HAUS 5, 1130 VIENNA, AUSTRIA
Address of Witness

was personally present and did see **Marian Rudolf** execute this Assignment on the 26th
day of October, 2017 and such Assignor is personally known to me to be the
person described herein.

L Popescu
Signature of Witness

PATENT ASSIGNMENT
Docket No.: ILTE_12425US02

Date 9/28/17


Pascal M. Adjakple

Signed at MELVILLE, NEW YORK USA
(City and Country)

STATEMENT OF WITNESS: I, BRIDGET LERON

Name of Witness

2 HUNTINGTON QUADRANGLE
4TH FLOOR/SOUTH WING
MELVILLE, NY 11747 USA

whose full address is: _____
Address of Witness

was personally present and did see **Pascal M. Adjakple** execute this Assignment on the 22
day of September, 2017 and such Assignor is personally known to me to be the
person described herein.


Signature of Witness