

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT4175541

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
MOON-IL LEE	05/20/2016
JANET A. STERN-BERKOWITZ	05/20/2016
J. PATRICK TOOHER	04/28/2016
NOBUYUKI TAMAKI	05/24/2016
POURIYA SADEGHI	06/27/2016
VIRGIL COMSA	04/28/2016
SAMIAN KAUR	04/29/2016
STEPHEN E. TERRY	10/21/2016
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:	14910434
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:	215-558-5740
Email:	docketing@condoroccia.com
Correspondent Name:	CONDO ROCCIA KOPTIW LLP
Address Line 1:	1800 JFK BLVD.
Address Line 2:	SUITE 1700
Address Line 4:	PHILADELPHIA, PENNSYLVANIA 19103
ATTORNEY DOCKET NUMBER:	ILTE_11894US02
NAME OF SUBMITTER:	TARA FROMM

PATENT

SIGNATURE:	/Tara Fromm/
DATE SIGNED:	12/08/2016
Total Attachments: 10 source=ILTE_11894US02_Fully_Executed_Assignment#page1.tif source=ILTE_11894US02_Fully_Executed_Assignment#page2.tif source=ILTE_11894US02_Fully_Executed_Assignment#page3.tif source=ILTE_11894US02_Fully_Executed_Assignment#page4.tif source=ILTE_11894US02_Fully_Executed_Assignment#page5.tif source=ILTE_11894US02_Fully_Executed_Assignment#page6.tif source=ILTE_11894US02_Fully_Executed_Assignment#page7.tif source=ILTE_11894US02_Fully_Executed_Assignment#page8.tif source=ILTE_11894US02_Fully_Executed_Assignment#page9.tif source=ILTE_11894US02_Fully_Executed_Assignment#page10.tif	

ASSIGNMENT

WHEREAS;

- | | |
|---|--|
| 1. Moon-Il Lee
104 Rivendell Court
Melville, NY 11747
United States of America | 6. Virgil Comsa
609, rue Fleury East
Montreal, Quebec H2C 1N7
Canada |
| 2. Janet A. Stern-Berkowitz
41-20 Glenwood Street
Little Neck, NY 11363
United States of America | 7. Samian Kaur
6 Ashwood Lane
Plymouth Meeting, PA 19462
United States of America |
| 3. J. Patrick Tooher
7171 Drolet
Montreal, Quebec H2R 2C1
Canada | 8. Stephen E. Terry
15 Summit Avenue
Northport, NY 11768
United States of America |
| 4. Nobuyuki Tamaki
6 Wendell Ct
Melville, NY 11747
United States of America | |
| 5. Pouriya Sadeghi
15653 Tanner Ridge Rd
San Diego, CA 92127
United States of America | |

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. 14/910,434, filed August 7, 2014, entitled **COVERAGE ENHANCEMENTS OF LOW COST MTC DEVICES IN UPLINK/DOWNLINK DECOUPLED SCENARIO**; and

WHEREAS, **INTERDIGITAL PATENT HOLDINGS, INC.**, hereinafter referred to as the ASSIGNEE, of 200 Bellevue Parkway, Suite 300, Wilmington, DE 19809, a corporation of Delaware, is desirous of acquiring the entire right, title and interest in and to the said inventions or improvements and in and to the 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 inventions or improvements and 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. We further assign to and authorize said ASSIGNEE, to file in our names applications for Letters Patent 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 Letters Patent 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 inventions or improvements, said application and said Letters Patent 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 inventions or improvements, said application and said Letters Patent, 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 patent protection for said inventions or improvements 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, any and all Letters Patent for said inventions or improvements, 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.: ILTE_11894US02

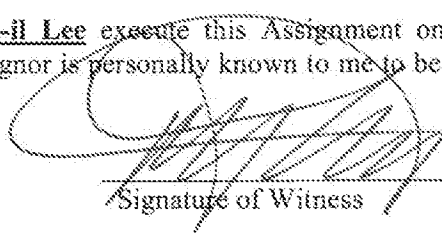
5-20-16
Date


Moon-il Lee

Signed at Melville, NY USA
(City and Country)

STATEMENT OF WITNESS: I, Migaly Lopez
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 Moon-il Lee execute this Assignment on the 20 day of May, 2016 and such Assignor is personally known to me to be the person described herein.


Signature of Witness

DOCKET NO.: ILTE_11894US02

5 20 16
Date

Janet A. Stern-Berkowitz
Janet A. Stern-Berkowitz

Signed at Melville, NY USA
(City and Country)

STATEMENT OF WITNESS: I, Migaly Lopez
Name of Witness
2 Huntington Quadrangle, 4th FV 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 20
day of May, 2016 and such Assignor is personally known to me to be the person
described herein.

[Signature]
Signature of Witness

DOCKET NO.: ILTE_11894US02

Date April 28, 2016 J. Patrick Tooher

Signed at Montreal, QC Canada
(City and Country)

STATEMENT OF WITNESS: I, Bonnie Gazzera
Name of Witness 1000 Sherbrooke St. W. Montreal, QC H3A 3G4
whose full address is: Address of Witness

was personally present and did see J. Patrick Tooher execute this Assignment on the 28 day of April, 2016 and such Assignor is personally known to me to be the person described herein.

Bonnie Gazzera
Signature of Witness

DOCKET NO.: ILTE_11894US02

5-24-16
Date

172d
Nobuyuki Tamaki

Signed at Melville, NY USA
(City and Country)

STATEMENT OF WITNESS: I, Migaly Lopez

whose full address is: 2 Huntington Quadrangle, 4th Fl/South Wing
Melville, NY 11747 USA
Address of Witness

was personally present and did see Nobuyuki Tamaki execute this Assignment on the 24 day of May, 2016 and such Assignor is personally known to me to be the person/described herein.

[Signature]
Signature of Witness

DOCKET NO.: ILTE_11894US02

06/27/2016
Date

Pouriya Sadeghi
Pouriya Sadeghi

Signed at San Diego, CA
(City and Country)

STATEMENT OF WITNESS: I, Neda Ehtiami
Name of Witness

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

was personally present and did see Pouriya Sadeghi execute this Assignment on the 27 day of
June, 2016 and such Assignor is personally known to me to be the person described
herein.

Neda Ehtiami
Signature of Witness

DOCKET NO.: ILTE_11894US02

Date April 28, 2016 Virgil Comsa

Signed at Montreal, QC Canada
(City and Country)

STATEMENT OF WITNESS: I, Bonnie Lazzari
Name of Witness
1000 Sherbrooke St. West, 10th Floor
Montreal, QC Canada H3A 2B4
whose full address is: Address of Witness

was personally present and did see Virgil Comsa execute this Assignment on the 28 day of April, 2016 and such Assignor is personally known to me to be the person described herein.

Bonnie Lazzari
Signature of Witness

04.29.2016
Date

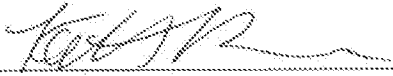

Samian Kaur

200 Bellevue Pkwy., Ste. 300, Wilmington, DE 19809 USA
Signed at _____
(City and Country)

STATEMENT OF WITNESS: I, Kelli Pearson
Name of Witness

whose full address is: 200 Bellevue Pkwy., Ste. 300, Wilmington, DE 19809 USA
Address of Witness

was personally present and did see Samian Kaur execute this Assignment on the 29 day of
April, 2016 and such Assignor is personally known to me to be the person described
herein.


Signature of Witness

DOCKET NO.: ILTE_11894US02

10/21/16
Date

Stephen E. Terry
Stephen E. Terry

Signed at NORTHPORT, NY
(City and Country)

STATEMENT OF WITNESS: I, CATHERINE ROMANCZYK
Name of Witness

whose full address is: 204 MAIN ST, NORTHPORT, NY 11768
Address of Witness

was personally present and did see Stephen E. Terry execute this Assignment on the 31 day of Oct, 2016 and such Assignor is personally known to me to be the person described herein.

Catherine Romanczyk
Signature of Witness

CATHERINE ROMANCZYK
Notary Public, State of New York
No. 4763083
Qualified in Suffolk County
Commission Expires 12/31/17