

PATENT ASSIGNMENT COVER SHEET

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Stylesheet Version v1.2

EPAS ID: PAT3676309

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
MOON-IL LEE	08/06/2015
CHANGSOO KOO	05/14/2015
SUNG-HYUK SHIN	05/09/2015
JANET A STERN-BERKOWITZ	11/05/2015
MARIAN RUDOLF	05/08/2015
FENGJUN XI	04/23/2015
ANANTH KINI	04/23/2015
SEYED MOHSEN HOSSEINIAN	06/09/2015
PAUL MARINIER	05/08/2015
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:	13751114
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:	tfromm@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_11265US02

PATENT

NAME OF SUBMITTER:	TARA FROMM
SIGNATURE:	/Tara Fromm/
DATE SIGNED:	12/30/2015
Total Attachments: 11 source=11265US02_Fully_Executed_Assignment#page1.tif source=11265US02_Fully_Executed_Assignment#page2.tif source=11265US02_Fully_Executed_Assignment#page3.tif source=11265US02_Fully_Executed_Assignment#page4.tif source=11265US02_Fully_Executed_Assignment#page5.tif source=11265US02_Fully_Executed_Assignment#page6.tif source=11265US02_Fully_Executed_Assignment#page7.tif source=11265US02_Fully_Executed_Assignment#page8.tif source=11265US02_Fully_Executed_Assignment#page9.tif source=11265US02_Fully_Executed_Assignment#page10.tif source=11265US02_Fully_Executed_Assignment#page11.tif	

DOCKET NO.: ILTE_11265US02

APPLICATION NO.: 13/751,114

ASSIGNMENT

WHEREAS;

- | | |
|--|---|
| 1. Moon-il Lee
675 Conklin Street, Apt. 26A
Farmingdale, NY 11735
United States | 6. Fengjun Xi
10690 Caminito Alvarez. 10838 Aderman Ave.,
San Diego, CA 92126 APT 144,
San Diego, CA 92126
United States
F.X. |
| 2. Changsoo Koo
281 Altessa Blvd.
Melville, NY 11747
United States | 7. Ananth Kini
139 Bradbury Drive
East Norriton, PA 19401
United States |
| 3. Sung-Hyuk Shin
104 Eidner Way
Northvale, NJ 07647
United States | 8. Seyed Mohsen Hosseinian
32 Holly Drive
East Northport, NY 11731
United States |
| 4. Janet A. Stern-Berkowitz
41-20 Glenwood Street
Little Neck, NY 11363
United States | 9. Paul Marinier
1805 Stravinski
Brossard, Quebec J4X 2J7
Canada |
| 5. Marian Rudolf
1843 Rue Baile
Montreal, Quebec H3H 1P5
Canada | |

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. 13/751,114, filed January 27, 2013, entitled **SYSTEMS AND/OR METHODS FOR PROVIDING EPDCCH IN A MULTIPLE CARRIER BASED AND/OR QUASI-COLLATED NETWORK**; 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

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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.

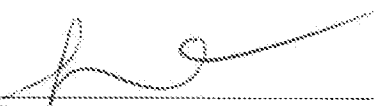
AND we hereby authorize and request the Commissioner of Patents and Trademarks of the United States and any official of any country or countries foreign to the United States whose duty it is to issue patents on applications as aforesaid, to issue to said ASSIGNEE, as ASSIGNEE of the entire right, title 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.

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Date 8/6/15


Moon-il Lee

Signed at Melville, NY USA
(City and Country)

STATEMENT OF WITNESS: I, BRIDGET LETREN
Name of Witness

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

was personally present and did see Moon-il Lee execute this Assignment on the 6th day of August, 2015 and such Assignor is personally known to me to be the person described herein.


Signature of Witness

DOCKET NO.: ILTE_11265US02
APPLICATION NO.: 13/751,114

May 14, 2015
Date

Changsoo Koo
Changsoo Koo

Signed at Melville, NY, USA
(City and Country)

STATEMENT OF WITNESS: I, Myungjin Koo
Name of Witness

whose full address is: 281 Altessa Blvd. Melville, NY, USA
Address of Witness

was personally present and did see **Changsoo Koo** execute this Assignment on the 14 day of May, 2015 and such Assignor is personally known to me to be the person described herein.

[Signature]
Signature of Witness

DOCKET NO.: ILTE_11265US02
APPLICATION NO.: 13/751,114

May 09, 2015
Date

Sung-Hyuk Shin
Sung-Hyuk Shin

Signed at Northvale, Bergen, NJ
(City and Country)

STATEMENT OF WITNESS: I, Min Shin JUN
Name of Witness

whose full address is: 104 Eider Way, Northvale, NJ
Address of Witness

was personally present and did see **Sung-Hyuk Shin** execute this Assignment on the _____ day of May 09, 2015 and such Assignor is personally known to me to be the person described herein.

[Signature]
Signature of Witness

DOCKET NO.: ILTE_11265US02
APPLICATION NO.: 13/751,114

11/5/15
Date

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

Signed at 2 Huntington Quadrangle, 4th Fl/South Wing
Melville, NY 11747 USA
(City and Country)

STATEMENT OF WITNESS: I, BRIDGET LETREN
Name of Witness

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

was personally present and did see Janet A. Stern-Berkowitz execute this Assignment on the 5
day of November, 2015 and such Assignor is personally known to me to be the person
described herein.

Bridget Letren
Signature of Witness

DOCKET NO.: ILTE_11265US02
APPLICATION NO.: 13/751,114

May 8, 2015
Date

Marian Rudolf
Marian Rudolf

Signed at Montreal, QC
(City and Country)

STATEMENT OF WITNESS: I, Bonina Gazzara
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 Marian Rudolf execute this Assignment on the 8 day of May, 2015 and such Assignor is personally known to me to be the person described herein.

Bonina Gazzara
Signature of Witness

DOCKET NO.: ILTE_11265US02
APPLICATION NO.: 13/751,114

4/23/2015
Date
Fengjun Xi
Fengjun Xi
9710 Scranton Road, #250
San Diego, CA 92121, USA

Signed at _____
(City and Country)

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

was personally present and did see Fengjun Xi execute this Assignment on the 23rd day of April, 2015 and such Assignor is personally known to me to be the person described herein.

Julie McDonough
Signature of Witness

DOCKET NO.: ILTE_11265US02
APPLICATION NO.: 13/751,114

23 April 2015
Date

Ananth Kini
Ananth Kini

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

STATEMENT OF WITNESS: I, Anuj Hradak
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 Ananth Kini execute this Assignment on the 23rd day of April, 2015 and such Assignor is personally known to me to be the person described herein.

Anuj Hradak
Signature of Witness

DOCKET NO.: ILTE_11265US02
APPLICATION NO.: 13/751,114

6/9/15
Date

S. Hosseinian
Seyed Mohsen Hosseinian

Signed at Melville NY USA
(City and Country)

STATEMENT OF WITNESS: I, Bridget Letren
Name of Witness
2 Huntington Quadrangle, 4th Fl South Wing
Melville, NY 11747
whose full address is: _____
Address of Witness

was personally present and did see Seyed Mohsen Hosseinian execute this Assignment on the 9
day of JUNE, 2015 and such Assignor is personally known to me to be the person
described herein.

Bridget Letren
Signature of Witness

DOCKET NO.: ILTE_11265US02
APPLICATION NO.: 13/751,114

May 8, 2015
Date

Paul Marinier
Paul Marinier

Signed at Montreal, QC Canada
(City and Country)

STATEMENT OF WITNESS: I, Borina LOZZARA
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 Paul Marinier execute this Assignment on the 8 day of May, 2015 and such Assignor is personally known to me to be the person described herein.

Borina Lozzara
Signature of Witness