

PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT												
NATURE OF CONVEYANCE:	ASSIGNMENT												
CONVEYING PARTY DATA													
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<table border="1"> <tr> <td>Name:</td> <td>INTERDIGITAL PATENT HOLDINGS, INC.</td> </tr> <tr> <td>Street Address:</td> <td>3411 SILVERSIDE ROAD</td> </tr> <tr> <td>Internal Address:</td> <td>CONCORD PLAZA, SUITE 105, HAGLEY BUILDING</td> </tr> <tr> <td>City:</td> <td>WILMINGTON</td> </tr> <tr> <td>State/Country:</td> <td>DELAWARE</td> </tr> <tr> <td>Postal Code:</td> <td>19810</td> </tr> </table>		Name:	INTERDIGITAL PATENT HOLDINGS, INC.	Street Address:	3411 SILVERSIDE ROAD	Internal Address:	CONCORD PLAZA, SUITE 105, HAGLEY BUILDING	City:	WILMINGTON	State/Country:	DELAWARE	Postal Code:	19810
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CORRESPONDENCE DATA													
<p>Fax Number: 2155585676 <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i></p> <p>Phone: 2155585740 Email: docketing@condoroccia.com</p> <p>Correspondent Name: CONDO ROCCIA LLP Address Line 1: 1650 MARKET STREET Address Line 2: ONE LIBERTY PLACE, SUITE 2200 Address Line 4: PHILADELPHIA, PENNSYLVANIA 19103</p>													
ATTORNEY DOCKET NUMBER:	ILTE_11036US02												

NAME OF SUBMITTER:

diana kang

Total Attachments: 7

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DOCKET NO.: ILTE_11036US02
APPLICATION NO.: 13/458,946

ASSIGNMENT

WHEREAS, we Nobuyuki Tamaki, residing at 6 Wendell Ct, Melville, NY 11747; Ghyslain Pelletier, residing at 2055 rue De Valmont, Chomedey, Laval, Quebec, Canada H7M 3J3; Janet A. Stern-Berkowitz, residing at 41-20 Glenwood Street, Little Neck, NY 11363; Pouriya Sadeghi, residing at 260 Wilson, Verdun, Quebec, Canada H3E 1V1; and Sung-Hyuk Shin, residing at 104 Eidner Way, Northvale, NJ 07647, 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. 13/458,946, filed April 27, 2012, entitled CARRIER AGGREGATION OF CARRIERS WITH SUBFRAME RESTRICTIONS; and

WHEREAS, InterDigital Patent Holdings, Inc., hereinafter referred to as the ASSIGNEE, of 3411 Silverside Road, Concord Plaza, Suite 105, Hagley Building, Wilmington, DE 19810, 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.

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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_11036US02
APPLICATION NO.: 13/458,946

10-5-12 Nobuyuki Tamaki (L.S.)
Date Nobuyuki Tamaki

Signed at Melville, NY USA
(City and Country)

STATEMENT OF WITNESS: I, Miguel Lopez
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 Nobuyuki Tamaki execute this Assignment on the 5
day of October, 2012 and such Assignor is personally known to me to be the person
described herein.

Miguel Lopez
Signature of Witness


DOCKET NO.: ILTE_11036US02
APPLICATION NO.: 13/458,946

Date August 14, 2012  (L.S.)
Ghyslain Pelletier

Signed at Montreal, QC Canada
(City and Country)

STATEMENT OF WITNESS: I, Bonina G 22A12
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 Ghyslain Pelletier execute this Assignment on the 14
day of August, 2012 and such Assignor is personally known to me to be the person
described herein.


Signature of Witness

DOCKET NO.: ILTE 11036US02
APPLICATION NO.: 13/458,946

10-10-12
Date

Janet A. Stern-Berkowitz (L.S.)
Janet A. Stern-Berkowitz

Signed at Melville, NY USA
(City and Country)

STATEMENT OF WITNESS: I, Miguel Lopez
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 10
day of October, 2012 and such Assignor is personally known to me to be the person
described herein.

[Signature]
Signature of Witness

DOCKET NO.: ILTE_11036US02
APPLICATION NO.: 13/458,946

Date August 14, 2012 Pouriya Sadeghi (L.S.)
Pouriya Sadeghi

Signed at Montreal, QC Canada
(City and Country)

STATEMENT OF WITNESS: I, Bonnie Lazzaroni
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 Pouriya Sadeghi execute this Assignment on the 14
day of August, 2012 and such Assignor is personally known to me to be the person
described herein.

Bonnie Lazzaroni
Signature of Witness

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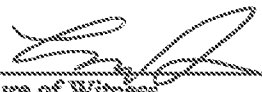
September 5, 2012.  (L.S.)
Date Sung-Hyuk Shin

Signed at Northvale N.J. U.S.A.
(City and Country)

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

whose full address is: 104 Edmar way Northvale N.J. 07024
Address of Witness

was personally present and did see Sung Hyuk Shin execute this Assignment on the 5
day of September, 2012 and such Assignor is personally known to me to be the person
described herein.


Signature of Witness