

PATENT ASSIGNMENT

Electronic Version v1.1
 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT																
NATURE OF CONVEYANCE:	ASSIGNMENT																
CONVEYING PARTY DATA																	
<table border="1"> <thead> <tr> <th>Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>Rocco Di Girolamo</td> <td>11/29/2012</td> </tr> <tr> <td>Jean-Louis Gauvreau</td> <td>11/29/2012</td> </tr> <tr> <td>Zinan Lin</td> <td>11/12/2012</td> </tr> <tr> <td>Joseph M. Murray</td> <td>12/21/2012</td> </tr> <tr> <td>Athmane Touag</td> <td>11/29/2012</td> </tr> <tr> <td>Saad Ahmad</td> <td>11/29/2012</td> </tr> <tr> <td>Martino Freda</td> <td>11/29/2012</td> </tr> </tbody> </table>		Name	Execution Date	Rocco Di Girolamo	11/29/2012	Jean-Louis Gauvreau	11/29/2012	Zinan Lin	11/12/2012	Joseph M. Murray	12/21/2012	Athmane Touag	11/29/2012	Saad Ahmad	11/29/2012	Martino Freda	11/29/2012
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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, Concord Plaza</td> </tr> <tr> <td>Internal Address:</td> <td>Hagley Building, Suite 105</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, Concord Plaza	Internal Address:	Hagley Building, Suite 105	City:	Wilmington	State/Country:	DELAWARE	Postal Code:	19810				
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CORRESPONDENCE DATA																	
Fax Number:	2155585740																
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>																	
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ATTORNEY DOCKET NUMBER:	IFUT_10392US02
NAME OF SUBMITTER:	Krysanna See
Total Attachments: 9 source=10392US02_Assignment#page1.tif source=10392US02_Assignment#page2.tif source=10392US02_Assignment#page3.tif source=10392US02_Assignment#page4.tif source=10392US02_Assignment#page5.tif source=10392US02_Assignment#page6.tif source=10392US02_Assignment#page7.tif source=10392US02_Assignment#page8.tif source=10392US02_Assignment#page9.tif	

DOCKET NO.: IFUT_10392US02
APPLICATION NO.: 13/520,989

ASSIGNMENT

WHEREAS, we Rocco Di Girolamo, residing at 632 de Fribourg Street, Laval, Quebec H7K 3Y3 Canada; Jean-Louis Gauvreau, residing at 115 Paradis, La Prairie, Quebec J5R 6G7 Canada; Zinan Lin, residing at 3 Logwood Court, Melville, NY 11747; Joseph M. Murray, residing at 12 Ashley Drive, Schwenksville, PA 19473; Athmane Touag, residing at 752 Olivar-Asselin, Chomedey Laval, Quebec H7V 1V3 Canada; Saad Ahmad, residing at 350 Prince Arthur, Apt. 309, Montreal, Quebec H2X 3R4 Canada; and Martino Freda, residing at 7131 du Cabernet, Laval, Quebec H7A 0A8 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. 13/520,989, filed January 06, 2011, entitled METHOD AND APPARATUS FOR ASSISTED/COORDINATED INTRA-HOME COMMUNICATIONS; 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.: IFUT_10392US02
APPLICATION NO.: 13/520,989

November 29, 2012 Rocco Di Girolamo (L.S.)
Date Rocco Di Girolamo

Signed at Montreal, QC Canada
(City and Country)

STATEMENT OF WITNESS: I, Barina Lazzara
Name of Witness
1000 Sherbrooke St. West, 10th Floor
whose full address is: MTL, QC Canada H3A 3G4
Address of Witness

was personally present and did see Rocco Di Girolamo execute this Assignment on the 29
day of November, 2012 and such Assignor is personally known to me to be the person
described herein.

Barina Lazzara
Signature of Witness

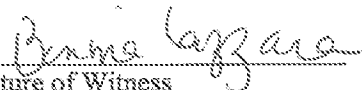
DOCKET NO.: IFUT_10392US02
APPLICATION NO.: 13/520,989

November 23, 2012  (L.S.)
Date Jean-Louis Gauvreau

Signed at Montreal, QC Canada
(City and Country)

STATEMENT OF WITNESS: I, Bonina LAZZARA
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 Jean-Louis Gauvreau execute this Assignment on the 29
day of November, 2012 and such Assignor is personally known to me to be the person
described herein.


Signature of Witness

DOCKET NO.: IFUT_10392US02
APPLICATION NO.: 13/520,989

Date 11-12-12 Zinan Lin (L.S.)

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 Zinan Lin execute this Assignment on the 12
day of November, 2012 and such Assignor is personally known to me to be the person
described herein.

[Signature]
Signature of Witness

DOCKET NO.: IFUT_10392US02
APPLICATION NO.: 13/520,989

12/21/2012
Date

Joseph M. Murray (L.S.)
Joseph M. Murray

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

STATEMENT OF WITNESS: I, Wendi Reed
Name of Witness

whose full address is: 781 Third Avenue, King of Prussia, PA 19406 USA
Address of Witness

was personally present and did see Joseph M. Murray execute this Assignment on the 21st
day of December, 2012 and such Assignor is personally known to me to be the person
described herein.

Wendi Reed
Signature of Witness

DOCKET NO.: IFUT_10392US02
APPLICATION NO.: 13/520,989

November 25, 2012  (L.S.)
Date Athmane Touag

Signed at Montreal, QC Canada
(City and Country)

STATEMENT OF WITNESS: I, Bonina GAZZARO
Name of Witness
1000 Sherbrooke St. West, 10th Floor
whose full address is: MTL, QC Canada H3A 3G4
Address of Witness

was personally present and did see Athmane Touag execute this Assignment on the 29
day of November, 2012 and such Assignor is personally known to me to be the person
described herein.

Bonina GAZZARO
Signature of Witness

DOCKET NO.: IFUT_10392US02
APPLICATION NO.: 13/520,989

November 29, 2012 [Signature] (L.S.)
Date Saad Ahmad

Signed at Montreal, QC, Canada
(City and Country)

STATEMENT OF WITNESS: I, Bonina Iazzaro
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 Saad Ahmad execute this Assignment on the 29
day of November, 2012 and such Assignor is personally known to me to be the person
described herein.

Bonina Iazzaro
Signature of Witness

DOCKET NO.: IFUT_10392US02
APPLICATION NO.: 13/520,989

November 29, 2012
Date

Martino Freda (L.S.)
Martino Freda

Signed at Montreal, QC Canada
(City and Country)

STATEMENT OF WITNESS: I, Bonnie Lazzara
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 Martino Freda execute this Assignment on the 29
day of November, 2012 and such Assignor is personally known to me to be the person
described herein.

Bonnie Lazzara
Signature of Witness