

PATENT ASSIGNMENT

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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>Lujing Cai</td> <td>12/19/2011</td> </tr> <tr> <td>Fengjun Xi</td> <td>11/14/2011</td> </tr> <tr> <td>Diana Pani</td> <td>11/22/2011</td> </tr> <tr> <td>Benoit Pelletier</td> <td>11/22/2011</td> </tr> <tr> <td>Christopher Cave</td> <td>11/22/2011</td> </tr> </tbody> </table>		Name	Execution Date	Lujing Cai	12/19/2011	Fengjun Xi	11/14/2011	Diana Pani	11/22/2011	Benoit Pelletier	11/22/2011	Christopher Cave	11/22/2011
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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: (215)558-5676 Phone: 215-558-5740 Email: docketing@condoroccia.com <i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US Mail.</i></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:	IHSP_10789US02												

CH \$40.00 13250062

NAME OF SUBMITTER:

Krysanna See

Total Attachments: 7

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ASSIGNMENT

WHEREAS, we Lujing Cai, residing at 517 Imbrie Place, Morganville, NJ 07551, U.S.A.; Fengjun Xi, residing at 11 Covington Street, Huntington Station, NY 11746, U.S.A.; Diana Paní, residing at 730 Lusignan, Apt. 4, Montreal, Québec H3C 1Y9, Canada; Benoit Pelletier, residing at 11-13th Street, Roxboro, Québec H8Y 1L3, Canada and Christopher Cave, residing at 258 Baffin, Dollard-des-Ormeaux, Québec H9A 3J2, 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. 13/250,062, filed September 30, 2011, entitled Systems And Methods For Uplink Feedback For High-Speed Downlink Packet Access (HSPDA); 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.

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.

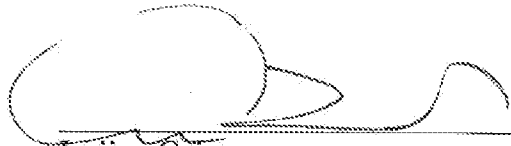
AND we hereby authorize and request the Commissioner of Patents and Trademarks of the United States and any official of any country or countries foreign to the United States whose duty it is to issue patents on applications as aforesaid, to issue to said ASSIGNEE, as ASSIGNEE of the entire right, title 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.: IHSP_10789US02

19-DEC-2011
Date

 (L.S.)
Lujing Cai

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

STATEMENT OF WITNESS: I, WILMA MACKAY
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 Lujing Cai execute this Assignment on the 19th
day of December, 2011 and such Assignor is personally known to me to be the person
described herein.

Wilma Mackay
Signature of Witness

DOCKET NO.: IHSP_10789US02

11-14-11 Fengjun Xi (L.S.)
Date Fengjun Xi

Signed at Melville NY USA
(City and Country)

STATEMENT OF WITNESS: I, Miguel Lopez
Name of Witness

whose full address is: 60 E Sycamore St, Central Islip, NY 11722
Address of Witness

was personally present and did see Fengjun Xi execute this Assignment on the 14
day of November, 2011 and such Assignor is personally known to me to be the person
described herein.

[Signature]
Signature of Witness

DOCKET NO.: IHSP_10789US02

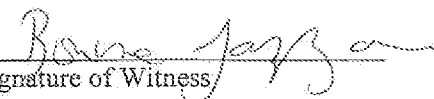
Nov. 22, 2011
Date  (L.S.)
Diana Pani

Signed at Montreal, QC Canada
(City and Country)

STATEMENT OF WITNESS: I, Bonnie Lazzara
Name of Witness

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

was personally present and did see Diana Pani execute this Assignment on the 22
day of November, 2011 and such Assignor is personally known to me to be the person
described herein.


Signature of Witness

DOCKET NO.: IHSP_10789US02

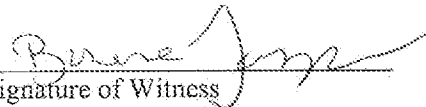
Date November 22, 2011  (L.S.)
Benoit Pelletier

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

STATEMENT OF WITNESS: I, Bonina LAZZARA
Name of Witness


whose full address is: 1000 Sherbrooke St. W, 10th Floor MTL, QC H3A 3G7
Address of Witness

was personally present and did see Benoit Pelletier execute this Assignment on the 22
day of November, 2011 and such Assignor is personally known to me to be the person
described herein.


Signature of Witness

DOCKET NO.: IHSP_10789US02

November 22, 2011
Date

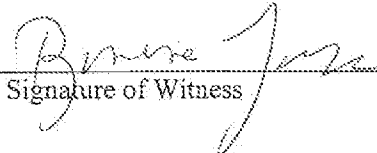

Christopher Cave (L.S.)

Signed at Montreal, QC Canada
(City and Country)

STATEMENT OF WITNESS: I, Bonnie Lazzara
Name of Witness

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

was personally present and did see Christopher Cave execute this Assignment on the 22
day of November, 2011 and such Assignor is personally known to me to be the person
described herein.


Signature of Witness