

PATENT ASSIGNMENT COVER SHEET

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 Stylesheet Version v1.2

EPAS ID: PAT2649972

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>LIANG XIAO</td> <td>11/01/2011</td> </tr> <tr> <td>CHUNXUAN YE</td> <td>10/31/2011</td> </tr> <tr> <td>SUHAS MATHUR</td> <td>12/09/2013</td> </tr> <tr> <td>YOGENDRA C. SHAH</td> <td>10/31/2011</td> </tr> <tr> <td>ALEXANDER REZNIK</td> <td>11/07/2011</td> </tr> </tbody> </table>		Name	Execution Date	LIANG XIAO	11/01/2011	CHUNXUAN YE	10/31/2011	SUHAS MATHUR	12/09/2013	YOGENDRA C. SHAH	10/31/2011	ALEXANDER REZNIK	11/07/2011
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CHUNXUAN YE	10/31/2011												
SUHAS MATHUR	12/09/2013												
YOGENDRA C. SHAH	10/31/2011												
ALEXANDER REZNIK	11/07/2011												
RECEIVING PARTY DATA													
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												
PROPERTY NUMBERS Total: 1													
<table border="1"> <thead> <tr> <th>Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>13121190</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13121190								
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Application Number:	13121190												
CORRESPONDENCE DATA													
Fax Number:	(215)568-3439												
Phone:	215-564-1457												
Email:	assignments@woodcock.com												
<i>Correspondence will be sent via US Mail when the email attempt is unsuccessful.</i>													
Correspondent Name:	JULIA HACKSTIE												
Address Line 1:	2929 ARCH STREET, 12TH FLOOR												
Address Line 4:	PHILADELPHIA, PENNSYLVANIA 19104-2891												
ATTORNEY DOCKET NUMBER:	2-2175US02												
NAME OF SUBMITTER:	JULIA C. HACKSTIE												

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Signature:	/Julia C. Hackstie/
Date:	12/16/2013
Total Attachments: 7 source=executed_assignment#page1.tif source=executed_assignment#page2.tif source=executed_assignment#page3.tif source=executed_assignment#page4.tif source=executed_assignment#page5.tif source=executed_assignment#page6.tif source=executed_assignment#page7.tif	

ASSIGNMENT

WHEREAS, we, Liang Xiao, residing at Room 5-2503, Wuyuan Gongyu, Wuyuan DongSanLi, Xiamen, Fujian, China 361009; Chunxuan Ye, residing at 2 Stirling Court, Wayne, Pennsylvania 19087; Subas Mathur, residing at 402 Merrywood Drive, Edison, New Jersey 08817; Yogendra C. Shah, residing at 10 Regency Court, Exton, Pennsylvania 19341, and Alexander Reznik, residing at 1212 River Road, Titusville, New Jersey 08560, 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. 13/121,190, filed March 26, 2011, entitled AUTHENTICATION FOR SECURE WIRELESS COMMUNICATION; 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.

DOCKET NO.: 2-2175US02

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.: 2-2175US02

Nov. 1, 2011
Date

Liang Xiao (L.S.)
Liang Xiao

STATEMENT OF WITNESS

SIGNED at Xiamen, China
(City and Country)

This 1 day of Nov., 2011.


I, Junjie Shi whose full
address is Room 5-2002, Wuyuan Gongyu,
Xiamen, China, 361009

was personally present and did see Liang Xiao execute this assignment on the
1 day of Nov., 2011, and such assignor is personally known to me to be the
person described herein.

Junjie Shi
Signature of Witness

DOCKET NO.: 2-2175US02

31-OCT-2011
Date


Chunxuan Ye (L.S.)

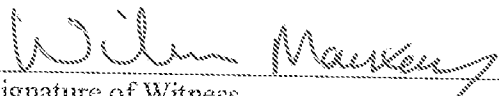
STATEMENT OF WITNESS

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

This 31st day of October, 2011.

I, Wilma Mackay whose full
address is 781 Third Avenue, King of Prussia, PA 19406 USA

was personally present and did see Chunxuan Ye execute this assignment on the
31st day of October, 2011, and such assignor is personally known to me to be the
person described herein.


Signature of Witness

DOCKET NO.: 2-2175US02

12/09/2013
Date

Suhas Mathur (L.S.)
Suhas Mathur

STATEMENT OF WITNESS

SIGNED at New York, USA
(City and Country)

This 9th day of December, 2013

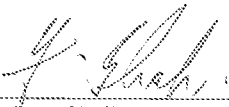
I, BARIS COSKUN whose full
address is 518 Gregory Ave Apt A302
Weehawken, NJ 07086

was personally present and did see Suhas Mathur execute this assignment on the
9th day of December, 2013 and such assignor is personally known to me to be the
person described herein.

Baris Coskun
Signature of Witness

DOCKET NO.: 2-2175US02

31-OCT-2011
Date

 (L.S.)
Yogendra C. Shah

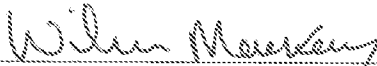
STATEMENT OF WITNESS

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

This 31st day of October, 2011.


I, William Mackay whose full
address is 781 Third Avenue, King of Prussia, PA 19406 USA

was personally present and did see Yogendra Shah execute this assignment on the
31st day of October, 2011, and such assignor is personally known to me to be the
person described herein.


Signature of Witness

DOCKET NO.: 2-2175US02

07 November 2011
Date


Alexander Reznik (L.S.)

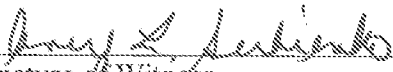
STATEMENT OF WITNESS

SIGNED at King of Prussia, Pennsylvania, USA
(City and Country)

This 07 day of November, 2011.

I, Amy L Serlianko whose full
address is 781 Third Avenue, King of Prussia,
Pennsylvania, USA

was personally present and did see Alexander Reznik execute this assignment on the
07 day of November, 2011, and such assignor is personally known to me to be the
person described herein.


Signature of Witness