

## PATENT ASSIGNMENT COVER SHEET

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EPAS ID: PAT2817969

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
XIAOFEI WANG	10/03/2013
HANQING LOU	10/11/2013
MONISHA GHOSH	10/01/2013
SUDHEER A. GRANDHI	04/09/2014
<b>RECEIVING PARTY DATA</b>	
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<b>State/Country:</b>	DELAWARE
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<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
Application Number:	13890833
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<b>ATTORNEY DOCKET NUMBER:</b>	IDC-11376US02
<b>NAME OF SUBMITTER:</b>	LAURA GILBERT REMUS
<b>SIGNATURE:</b>	/Laura Gilbert Remus/
<b>DATE SIGNED:</b>	04/17/2014
<b>Total Attachments: 6</b>	
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source=IDC-11376US02-Executed Assignment-EFS#page6.tif

## ASSIGNMENT

Xiaofei Wang, residing at 30 Chestnut Court, Cedar Grove, New Jersey 07009, the United States of America, a citizen of the United States of America; Hanqing Lou, residing at 39 Mineola Boulevard #3H, Mineola, New York 11501, the United States of America, a citizen of China; Monisha Ghosh, residing at 569 Millwood Road, Chappaqua, New York 10514, the United States of America, a citizen of the United States of America; and Sudheer A. Grandhi, residing at 5756 Owens Drive, Apartment #201, Pleasanton, California 94588, the United States of America, a citizen of the United States of America (hereafter jointly and severally referred to as the undersigned), are the inventors of

### METHOD AND APPARATUS FOR TRANSMITTING ACKNOWLEDGEMENTS IN RESPONSE TO RECEIVED FRAMES

for which the undersigned have executed an application for United States Letters Patent, U.S. Patent Application No. 13/890,833, filed May 9, 2013.

InterDigital Patent Holdings, Inc., a Delaware corporation, having a place of business at 200 Bellevue Parkway, Suite 300, Wilmington, Delaware 19809, USA, (hereafter referred to as the assignee), is desirous of acquiring the entire right, title and interest in said invention, all applications for and all letters patent issued on said invention.

For good and valuable consideration, the receipt and sufficiency of which is acknowledged, the undersigned, intending to be legally bound, do hereby sell, assign and transfer to the assignee and assignee's successors, assigns and legal representatives the entire right, title and interest in said invention and all patent applications thereon, including, but not limited to, the application for United States Letters Patent entitled as above, and all divisions and continuations thereof, and in all letters patent, including all reissues and reexaminations thereof, throughout the world, including the right to claim priority under the Paris Convention or other treaty.

It is agreed that the undersigned shall be legally bound, upon request of the assignee, to supply all information and evidence relating to the making and practice of said invention, to testify in any legal proceeding relating thereto, to execute all instruments proper to patent the invention throughout the world for the benefit of the assignee, and to execute all instruments proper to carry out the intent of this instrument.

The undersigned warrant that the rights and property herein conveyed are free and clear of any encumbrance.

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.

10/3/2013  
Date

Xiaofei Wang

Signed at

Melville NY USA  
(City and Country)

STATEMENT OF WITNESS: I,

Miguel Lopez  
Name of Witness

whose full address is:

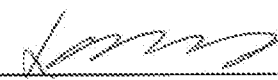
2 Huntington Quadrangle, 4th Fl/South Wing  
Melville, NY 11747 USA

Address of Witness

was personally present and did see Xiaofei Wang execute this Assignment on the 3 day of OCTOBER, 2013 and such Assignor is personally known to me to be the person described herein.

[Signature]  
Signature of Witness

10/11/2013  
Date

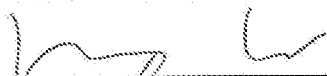
  
Hanqing Lou

Signed at Mineola, US  
(City and Country)

STATEMENT OF WITNESS: I, Huiyong Liao  
Name of Witness

whose full address is: 39 Mineola Blvd #3H, Mineola, NY 11501  
Address of Witness

was personally present and did see Hanqing Lou execute this Assignment on the 11th day of October, 2013 and such Assignor is personally known to me to be the person described herein.

  
Signature of Witness

Date Oct 01, 2013

Monisha Ghosh  
Monisha Ghosh

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 Monisha Ghosh execute this  
Assignment on the 1st day of October, 2013 and such Assignor is  
personally known to me to be the person described herein.

[Signature]  
Signature of Witness

APRIL 09, 2014  
Date

[Signature]  
Sudheer A. Grandhi

Signed at PLEASANTON, CA, USA  
(City and Country)

STATEMENT OF WITNESS: I, \_\_\_\_\_  
Name of Witness

whose full address is: \_\_\_\_\_  
Address of Witness

was personally present and did see \_\_\_\_\_ execute this  
Assignment on the \_\_\_\_\_ day of \_\_\_\_\_, ~~2013~~ and such Assignor is  
personally known to me to be the person described herein.

\_\_\_\_\_  
Signature of Witness

State of California, County of ALAMEDA  
On 04/09/2014 before me, JOSE VLADIMIR GALVAN  
Notary Public, personally appeared SUDHEER A. GRANDHI  
who proved to me on the basis of satisfactory evidence to be the person  
whose name is subscribed to the within instrument and acknowledged  
to me that he/she/they executed the same in his/her/their authorized capacity,  
and that by his/her/their signature on the instrument the person or the entity  
upon behalf of which the person acted, executed the instrument.  
I certify under PENALTY OF PERJURY under the laws of the State of California  
that the foregoing paragraph is true and correct.  
WITNESS my hand and official seal.

