

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>Sana Sfar</td> <td>07/18/2012</td> </tr> <tr> <td>Weimin Liu</td> <td>07/03/2012</td> </tr> <tr> <td>Philip J. Pietraski</td> <td>07/03/2012</td> </tr> <tr> <td>Rui Yang</td> <td>07/03/2012</td> </tr> <tr> <td>Zhemin Xu</td> <td>07/10/2012</td> </tr> </tbody> </table>		Name	Execution Date	Sana Sfar	07/18/2012	Weimin Liu	07/03/2012	Philip J. Pietraski	07/03/2012	Rui Yang	07/03/2012	Zhemin Xu	07/10/2012
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Rui Yang	07/03/2012												
Zhemin Xu	07/10/2012												
RECEIVING PARTY DATA													
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Street Address:	3411 Silverside Road, Concord Plaza												
Internal Address:	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>13503258</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13503258								
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CORRESPONDENCE DATA													
Fax Number:	2155686499												
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ATTORNEY DOCKET NUMBER:	IDC-10288US02												

CH \$40.00 13503258

NAME OF SUBMITTER:

Neil C. Maskeri

Total Attachments: 7

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ASSIGNMENT

Sana Sfar, residing at 18 East Avenue, Atlantic Highlands, New Jersey 07716, the United States of America, a citizen of Tunisia, Weimin Liu, residing at 7 Marian Lane, Chatham, New Jersey 07928, the United States of America, a citizen of the United States of America, Philip J. Pietraski, residing at 7 Talbot Place, Huntington Station, New York 11746, the United States of America, a citizen of the United States of America, Rui Yang, residing at 14 Burns Court, Greenlawn, New York 11740, the United States of America, a citizen of China; and Zhemin Xu, residing at 2158 Alexander Way, Pleasanton, California 94588, the United States of America, a citizen of China (hereafter jointly and severally referred to as the undersigned), are the inventors of

**METHOD AND APPARATUS FOR A TWO-WAY RELAYING SCHEME
WITH PHYSICAL LAYER NETWORK CODING**

for which the undersigned have executed an application for United States Letters Patent, U.S. Patent Application No. 13/503,258, filed April 20, 2012, claiming priority to PCT/US2010/053819, filed October 22, 2010; and U.S. Provisional Application No. 61/254,178, filed October 22, 2009.

InterDigital Patent Holdings, Inc., a Delaware corporation, having a place of business at 3411 Silverside Road, Concord Plaza, Suite 105, Wilmington, Delaware 19810, 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.


Date 7/18/12 
Sana Sfar

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

STATEMENT OF WITNESS: I, 
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 Sana Sfar execute this Assignment on the
18 day of July, 2012 and such Assignor is personally known to
me to be the person described herein.


Signature of Witness

Date 7/3/12 
Weimin Liu

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

STATEMENT OF WITNESS: I, 
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 Weimin Liu execute this Assignment on the 3 day of July, 2012 and such Assignor is personally known to me to be the person described herein.



7-3-12
Date

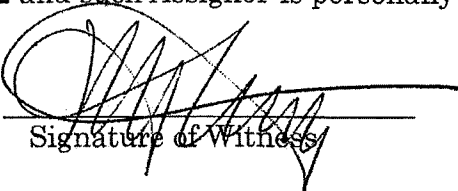

Philip J. Pietraski

Signed at Melville, NY USA
(City and Country)

STATEMENT OF WITNESS: I, Migaly 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 Philip J. Pietraski execute this Assignment on the 3 day of July, 2012 and such Assignor is personally known to me to be the person described herein.


Signature of Witness

Date 7-3-12

Rui Yang
Rui Yang

Signed at Melville, NY USA
(City and Country)

STATEMENT OF WITNESS: I, Migaly Lopez

**2 Huntington Quadrangle, 4th Floor
Melville, NY 11747 USA**

whose full address is:

Address of Witness

was personally present and did see Rui Yang execute this Assignment on the 3
day of July, 2012 and such Assignor is personally known to me to be
the person described herein.

Migaly Lopez

07/10/2012
Date

Zhemin Xu
Zhemin Xu

Signed at Pleasanton, CA, U.S.
(City and Country)

STATEMENT OF WITNESS: I, Yiran Yang
Name of Witness

whose full address is: 2158 Alexander way, Pleasanton, CA
Address of Witness

was personally present and did see Zhemin Xu execute this Assignment on the
10th day of July, 2012 and such Assignor is personally known to
me to be the person described herein.

Yiran