

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>Xavier De Foy</td> <td>07/13/2012</td> </tr> <tr> <td>Hang Liu</td> <td>07/12/2012</td> </tr> <tr> <td>Shamim A. Rahman</td> <td>07/13/2012</td> </tr> <tr> <td>Milan Patel</td> <td>08/03/2012</td> </tr> <tr> <td>Serhad Doken</td> <td>07/06/2012</td> </tr> <tr> <td>Osama Lotfallah</td> <td>07/12/2012</td> </tr> </tbody> </table>		Name	Execution Date	Xavier De Foy	07/13/2012	Hang Liu	07/12/2012	Shamim A. Rahman	07/13/2012	Milan Patel	08/03/2012	Serhad Doken	07/06/2012	Osama Lotfallah	07/12/2012
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RECEIVING PARTY DATA															
<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</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	City:	Wilmington	State/Country:	DELAWARE	Postal Code:	19810		
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Application Number:	13490045														
CORRESPONDENCE DATA															
Fax Number:	2155686499														
Phone:	215-568-6400														
Email:	dcasalvera@vklaw.com														
<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US Mail.</i>															
Correspondent Name:	Volpe and Koenig, P.C.														
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Address Line 4:	Philadelphia, PENNSYLVANIA 19103														
ATTORNEY DOCKET NUMBER:	IDC-11064US02														

CH \$40.00 13490045

NAME OF SUBMITTER:

Joseph P. Gushue

Total Attachments: 8

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ASSIGNMENT

Xavier De Foy, residing at 3007 Rue Edmond, Kirkland, Quebec, H9H 5K5, Canada, a citizen of Canada; Hang Liu, residing at 486 Keating Drive, Yardley, Pennsylvania 19067, the United States of America, a citizen of the United States of America; Shamim A. Rahman, residing at 6704 Conklin Road, Apartment 1003, Cote St. Luc, Quebec, H4V 1B8, Canada, a citizen of Canada; Milan Patel, residing at 8 Greville House, Lower Road, Harrow, Middlesex, HA2 0HB, the United Kingdom, a citizen of the United Kingdom; Serhad Doken, residing at 607 Plum Lane, Chester Springs, Pennsylvania 19425, the United States of America, a citizen of the United States of America; and Osama Lotfallah, residing at 518 Crooked Lane, King of Prussia, Pennsylvania 19406, 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

IMPROVING PEER TO PEER (P2P) OPERATION BY INTEGRATING WITH CONTENT DELIVERY NETWORKS (CDN)

for which the undersigned have executed an application for United States Letters Patent, U.S. Patent Application No. 13/490,045, filed June 6, 2012.

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.

July 13, 2012
Date

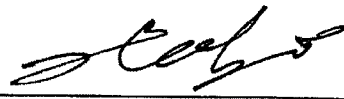
Xavier De Foy
Xavier De Foy

Signed at Montreal, QC Canada
(City and Country)


STATEMENT OF WITNESS: I, Bonnie GAZZARA
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 Xavier De Foy execute this Assignment on the
13 day of July, 2012 and such Assignor is personally known to
me to be the person described herein.

Bonnie Gazzara
Signature of Witness

Date 7/12/12 
Hang 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 Hang Liu execute this Assignment on the 12
day of July, 2012 and such Assignor is personally known to me to be
the person described herein.


Signature of Witness

July 13, 2012
Date

Shamim A. Rahman
Shamim A. Rahman

Signed at

Montreal, QC Canada
(City and Country)

STATEMENT OF WITNESS: I,

Bonnie Lezard

Name of Witness

whose full address is:

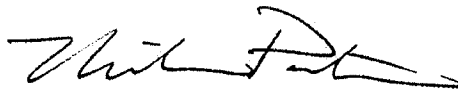
1000 Sherbrooke St. West, 10th Floor
MTL, QC Canada H3A 3G4

Address of Witness

was personally present and did see Shamim A. Rahman execute this Assignment on the 13 day of July, 2012 and such Assignor is personally known to me to be the person described herein.

Bonnie Lezard
Signature of Witness

03 AUGUST 2012
Date

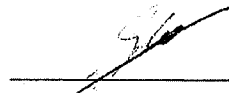

Milan Patel

Signed at HARROW, UK
(City and Country)

STATEMENT OF WITNESS: I, SANJAY JAIN
Name of Witness

whose full address is: 32 LONICK ROAD, HARROW, MIDDLESEX
Address of Witness

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


Signature of Witness

07/06/12

Date



Serhad Doken

781 Third Avenue, King of Prussia, PA 19406 USA

Signed at

(City and Country)

STATEMENT OF WITNESS: I, Heather D. Boettger

Name of Witness

781 Third Avenue, King of Prussia, PA 19406 USA

whose full address is:

Address of Witness

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



Signature of Witness

7/12/12
Date

Osama Lotfallah
Osama Lotfallah

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

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

Rafael
Signature of Witness