

PATENT ASSIGNMENT

Electronic Version v1.1
 Stylesheet Version v1.1

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>Kai Liu</td> <td>11/12/2012</td> </tr> <tr> <td>Ghyslain Pelletier</td> <td>10/29/2012</td> </tr> <tr> <td>Peter S. Wang</td> <td>11/12/2012</td> </tr> <tr> <td>Samian J. Kaur</td> <td>10/25/2012</td> </tr> <tr> <td>Paul Marinier</td> <td>10/29/2012</td> </tr> </tbody> </table>		Name	Execution Date	Kai Liu	11/12/2012	Ghyslain Pelletier	10/29/2012	Peter S. Wang	11/12/2012	Samian J. Kaur	10/25/2012	Paul Marinier	10/29/2012
Name	Execution Date												
Kai Liu	11/12/2012												
Ghyslain Pelletier	10/29/2012												
Peter S. Wang	11/12/2012												
Samian J. Kaur	10/25/2012												
Paul Marinier	10/29/2012												
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, Hagley Building</td> </tr> <tr> <td>Internal Address:</td> <td>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, Hagley Building	Internal Address:	Suite 105	City:	Wilmington	State/Country:	DELAWARE	Postal Code:	19810
Name:	InterDigital Patent Holdings, Inc												
Street Address:	3411 Silverside Road, Hagley Building												
Internal Address:	Suite 105												
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>13659015</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13659015								
Property Type	Number												
Application Number:	13659015												
CORRESPONDENCE DATA													
Fax Number: <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i> Phone: 302-281-3600 Email: docketing@interdigital.com Correspondent Name: Patent Docketing Address Line 1: 200 Bellevue Parkway, Suite 300 Address Line 4: Wilmington, DELAWARE 19809													
ATTORNEY DOCKET NUMBER:	11199US02												
NAME OF SUBMITTER:	Eric Berkowitz												

CH \$40.00 13659015

Total Attachments: 6

source=11199US02-Assignment#page1.tif

source=11199US02-Assignment#page2.tif

source=11199US02-Assignment#page3.tif

source=11199US02-Assignment#page4.tif

source=11199US02-Assignment#page5.tif

source=11199US02-Assignment#page6.tif

PATENT

REEL: 029492 FRAME: 0967

WORLDWIDE ASSIGNMENT

WHEREAS:

- | | |
|----------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------|
| 1. Kai Liu
12 Longstreet
S. Huntington, NY 11746
United States of America | 2. Ghyslain Pelletier
2055 rue De Valmont
Laval, Quebec H7M 3J3
Canada |
| 3. Peter S. Wang
412 Pond Path
E. Setauket, NY 11733
United States of America | 4. Samian J. Kaur
6 Ashwood Lane
Plymouth Meeting, PA 19462
United States of America |
| 5. Paul Marinier
1805 Stravinski
Brossard, Quebec J4X 2J7
Canada | |

(hereinafter "Assignors") have invented a certain invention currently entitled:

**METHODS, APPARATUS AND SYSTEMS FOR MINIMIZATION OF DRIVE TESTS (MDT) BASED
ON QOS VERIFICATIONS**

for which an application for a patent of the United States on October 24, 2012, under U.S. Patent Application Serial No. 13/659,015 has been filed, and

WHEREAS, InterDigital Patent Holdings, Inc. having a place of business at 3411 Silverside Road, Hagley Building, Suite 105, Wilmington, Delaware, United States of America, 19810 (hereinafter "Assignee"), a corporation of Delaware is desirous of acquiring the entire right, title and interest in and to the aforementioned patent application (hereinafter "Application"), and the invention(s) disclosed therein and in and to all embodiments and improvements of the invention(s), conceived, made or discovered by Assignors (hereinafter "Invention"), and in and to any and all patents, inventor's certificates and other forms of protection (hereinafter "Patents") thereon granted in any and all countries and groups of countries.

NOW, THEREFORE, in deliberation of good and valuable consideration acknowledged by Assignors to have been received in full from Assignee:

1. Assignors hereby sell, assign, transfer and convey to Assignee full and exclusive right, title and interest (a) in and to Application and Invention; (b) in and to all rights to apply for patents covering the Invention in any and all countries pursuant to the International Convention for the Protection of Industrial Property or otherwise; (c) in and to any and all applications filed and any and all Patents granted, covering the Invention, in any and all countries and groups of countries, including each and every application filed and each and every Patent granted on any application which is a division, substitution, continuation, or continuation-in-part of the Application; (d) in and to each and every reissue or extension of any of the Patents; and (e) including our full right to sue for and collect damages for past violations of Assignor's rights in and to the Application and Invention including but not limited to provisional rights having arisen from any publication of the Application or any continuations, continuations-in-part, divisions.
2. Assignors hereby covenant and agree to cooperate with Assignee to enable Assignee to enjoy to the fullest extent the right, title and interest to the Invention herein conveyed in any and all countries and groups of countries. Such cooperation by Assignors, in general, shall include doing everything possible to aid Assignee to obtain and enforce, for benefit of Assignee, proper patent protection for the Invention in any and all countries; and in particular, such cooperation by Assignors shall include prompt production of pertinent facts and documents, giving testimony, execution of petitions, oaths, specifications, declarations or other papers,

and other assistance all to the extent deemed necessary or desirable by Assignee (a) for perfecting in Assignee the right, title and interest herein conveyed; (b) for prosecuting the Application, or related applications; (c) for filing and prosecuting substitute, divisional, continuing or additional applications covering embodiments of the Invention; (d) for filing and prosecuting applications for reissuance of any of the Patents; (e) for interference or other priority proceedings involving the Invention; and (f) for legal proceedings involving the Invention and any application therefore and any Patents granted thereon, including without limitation opposition proceedings, cancellation proceedings, priority contests, public use proceedings, infringement actions and court actions.

3. Assignors 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 is to issue patents on applications as aforesaid, to issue to Assignee, as Assignee of the entire right, title and interest, any and all Patents that may be issued and granted on or as a result of the Application in accordance with the terms of this Assignment.
4. Assignors hereby warrant and represent that Assignors have not entered and will not enter into any assignment, contract, or understanding in conflict herewith.
5. The term and covenants of this Assignment shall inure to the benefit of Assignee, its successors, assigns and other legal representatives, and shall be binding upon Assignors and Assignors' respective heirs, legal representatives and assigns.
6. Assignors hereby authorize Assignee, its attorneys or agents, to insert into this Assignment the correct Application Number and/or Filing Date, if none is indicated on the date of Assignors' execution of this Assignment.
7. This Assignment should be deemed effective as of October 24, 2012.
8. 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, Assignors have executed and delivered this instrument to Assignee on the date(s) indicated below.

Date 11-12-12 Kai Liu
Signed at Melville, NY USA
(City) (Country)

STATEMENT OF WITNESS: I, Migaly Lopez

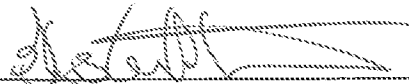
Name of Witness

whose full address is: 2 Huntington Quadrangle, 4th Fl/South Wing
Melville, NY 11747 USA
Address of Witness

was personally present and did see Kai Liu execute this Assignment on the 12th day of November 2012, and such Assignor is personally known to me to be the person described herein.

Signature of Witness

October 29, 2012
Date

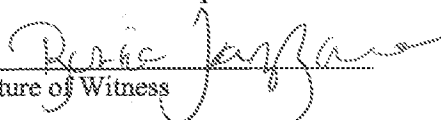

Ghyslaine Pelletier

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

STATEMENT OF WITNESS: I, Bonina Lazzarini
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 Ghyslaine Pelletier execute this Assignment on the 29 day of October, 2012, and such Assignor is personally known to me to be the person described herein.


Signature of Witness

Date

11-12-12

Peter S. Wang

Signed at

Melville, NY
(City)USA
(Country)

STATEMENT OF WITNESS: I,

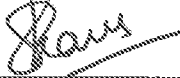
Miguel Lopez2 Huntington Quadrangle, 4th Fl South Wing
Melville, NY 11747 USA

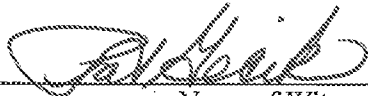
whose full address is:

Address of Witness

was personally present and did see Peter S. Wang execute this Assignment on the 12 day of November, 2012, and such Assignor is personally known to me to be the person described herein.

Signature of Witness

Date 10/25/12 
Samian J. Kaur
Signed at 781 Third Avenue, King of Prussia, PA 19406 USA
(City) (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 Samian J. Kaur execute this Assignment on the 25 day of October, 2012, and such Assignor is personally known to me to be the person described herein.


Signature of Witness

October 29, 2012

Date

Paul Marinier
Paul Marinier

Signed at

Montreal, QC Canada
(City) (Country)

STATEMENT OF WITNESS: I, Bonina Lazzara

Bonina Lazzara
Name of Witness

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

whose full address is:

Address of Witness

was personally present and did see Paul Marinier execute this Assignment on the 29 day of October, 2012 and such Assignor is personally known to me to be the person described herein.

Bonina Lazzara
Signature of Witness