**PATENT ASSIGNMENT**

**Electronic Version v1.1**
**Stylesheet Version v1.1**

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<th>CORRECTIVE ASSIGNMENT</th>
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<td>NATURE OF CONVEYANCE:</td>
<td>Corrective Assignment to correct the Assignor's. Please add the Assignor Stephen E. Terry, execution date 10/07/2010, previously recorded on Reel 025813 Frame 0965. Assignor(s) hereby confirms the Assignment of Assignor's Interest.</td>
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**CONVEYING PARTY DATA**

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<tr>
<th>Name</th>
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<tr>
<td>Guodong Zhang</td>
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<tr>
<td>Stephen E. Terry</td>
<td>10/07/2010</td>
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**RECEIVING PARTY DATA**

- Name: InterDigital Patent Holdings, Inc.
- 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**

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<tr>
<td>Application Number</td>
<td>12854495</td>
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**CORRESPONDENCE DATA**

- Fax Number: (215)568-6499
- Correspondence will be sent via US Mail when the fax attempt is unsuccessful.
- Phone: 215-568-6400
- Email: AVenezia@vklaw.com
- Correspondent Name: Volpe and Koenig, P.C.
- Address Line 1: 30 South 17th Street
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<th>Total Attachments: 13</th>
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UNITED STATES PATENT AND TRADEMARK OFFICE

THE ENCLOSED DOCUMENT HAS BEEN RECORDED BY THE ASSIGNMENT DIVISION OF THE U.S. PATENT AND TRADEMARK OFFICE. A COMPLETE MICROFILM COPY IS AVAILABLE AT THE ASSIGNMENT SEARCH ROOM ON THE REEL AND FRAME NUMBER REFERENCED BELOW.

PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE Whose NAME APPEARS ON THIS NOTICE AT 571-272-3350.

PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, MAIL STOP: ASSIGNMENT SERVICES BRANCH, P.O. BOX 1450, ALEXANDRIA, VA 22313.

RECORDEATION DATE: 02/17/2011
REEL/FRAME: 025813/0965
NUMBER OF PAGES: 13

BRIEF: CORRECTIVE ASSIGNMENT TO CORRECT THE DOC DATE OF ASSIGNOR MARIAN RUDOLF TO READ 09/29/2010 PREVIOUSLY RECORDED ON REEL 025181 FRAME 0642. ASSIGNOR(S) HEREBY CONFIRMS THE ASSIGNMENT OF ASSIGNOR'S INTEREST.

DOCKET NUMBER: IDC-10171US02-ALV/KLL

ASSIGNOR: ZHANG, GUODONG
DOC DATE: 10/05/2010

ASSIGNOR: HAGHIGHAT, AFSHIN
DOC DATE: 09/28/2010

ASSIGNOR: BALA, ERDEM
DOC DATE: 10/05/2010

ASSIGNOR: BASS, DAVID S.
DOC DATE: 10/05/2010

ASSIGNOR: MARINIER, PAUL
DOC DATE: 09/28/2010
ASSIGNOR:

RUDOLF, MARIAN
TERRY, STEPHEN C.

ASSIGNEE:
INTERDIGITAL PATENT HOLDINGS, INC.
3411 SILVERSIDE ROAD, CONCORD PLAZA
SUITE 105, HAGLEY BUILDING
WILMINGTON, DELAWARE 19810

APPLICATION NUMBER: 12854495
FILING DATE: 08/11/2010

PATENT NUMBER:
ISSUE DATE:

TITLE: METHOD AND APPARATUS FOR CONTENTION-BASED UPLINK DATA TRANSMISSION

ASSIGNMENT SERVICES BRANCH
PUBLIC RECORDS DIVISION
PATENT ASSIGNMENT

02/17/2011
501441573

SUBMISSION TYPE: CORRECTIVE ASSIGNMENT

NATURE OF CONVEYANCE: Corrective Assignment to correct the Doc. date of Assignor Marian Rudolf to read 09/29/2010 previously recorded on Reel 025181 Frame 0642. Assignor(s) hereby confirms the Assignment of Assignor's Interest.

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Address Line 1: 30 South 17th Street
Address Line 2: United Plaza, Suite 1600
Address Line 4: Philadelphia, PENNSYLVANIA 19103
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<th>ATTORNEY DOCKET NUMBER:</th>
<th>IDC-10171US02-ALV/KLL</th>
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<tr>
<td>NAME OF SUBMITTER:</td>
<td>Anthony L. Venezia</td>
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ASSIGNMENT

Guodong Zhang, residing at 14 Walnut Drive, Syosset, New York 11791, the United States of America, a citizen of China; Afshin Haghighat, residing at 407 Heron-Vert, Ile-Bizard, Quebec H9C 3A7, Canada, a citizen of Canada; Erdem Bala, residing at 17 Hallock Street, Floor #2, Farmingdale, New York 11735, the United States of America, a citizen of Turkey; David S. Bass, residing at 161 Schenck Avenue, Great Neck, New York 11021, the United States of America, a citizen of the United States of America; Paul Marinier, residing at 1805 Stravinski, Brossard, Quebec J4X 2J7, Canada, a citizen of Canada; Marian Rudolf, residing at 525 Lucien L'Allier, Apartment #204, Montreal, Quebec H3C 4L3, Canada, a citizen of Germany; and Stephen E. Terry, residing at 15 Summit Avenue, Northport, New York 11768, 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 CONTENTION-BASED UPLINK DATA TRANSMISSION


InterDigital Patent Holdings, Inc., a Delaware corporation, having a principal place of business at 3411 Silverside Road, Concord Plaza, Suite 105, Hagley Building, 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.
Atty. Docket No. IDC-10171US02

EXECUTED under seal on this _5_ day of October, 2010 at Melville, NY (Place)

Witness:

Budget Letter

Guodong Zhang (L.S.)

State of New York ss.

County of Suffolk

On this _5_ day of October, 2010 before me personally appeared Guodong Zhang, to me known to be the person described herein and who executed the foregoing instrument, and acknowledged that he executed the same knowingly and willingly and for the purposes therein contained.

Witness my hand and Notarial seal the day and year immediately above written.

Maureen Borrero
Notary Public

My Commission Expires:

MAUREEN BORRERO
Notary Public - State of New York
No. 01BO6145147
Qualified in Suffolk County
Commission Expires May 1, 2014
Atty. Docket No. IDC-10171US02

EXECUTED under seal on this 28th day of September 2010 at Montreal, QC (Place)

Witness:

Bonnie Javara

Afshin Haghighat (L.S.)

Province: Quebec
State of

Municipality: Montreal
County of

ss.

On this 28th day of September 2010 before me personally appeared Afshin Haghighat, to me known to be the person described herein and who executed the foregoing instrument, and acknowledged that he executed the same knowingly and willingly and for the purposes therein contained.

Witness my hand and Notarial seal the day and year immediately above written.

Notary Public

My Commission Expires:

13 Sept 2013
Atty. Docket No. IDC-10171US02

EXECUTED under seal on this 5 day of October, 2010 at Melville, NY.

(Place)

Witness:

Brett Letter

Erdem Bala (L.S.)

State of New York

County of Suffolk ss.

On this 5 day of October, 2010 before me personally appeared Erdem Bala, to me known to be the person described herein and who executed the foregoing instrument, and acknowledged that he executed the same knowingly and willingly and for the purposes therein contained.

Witness my hand and Notarial seal the day and year immediately above written.

Maureen Borrero
Notary Public

My Commission Expires:

MAUREEN BORRERO
Notary Public - State of New York
No. 01BO6145147
Qualified in Suffolk County
Commission Expires May 1, 2014

1391379-1

5 of 9
EXECUTED under seal on this 5 day of October 2010 at Melville, NY.

Witness:

Bridgette Setren

David S. Bass (L.S.)

State of New York ss.

County of Suffolk

On this 5 day of October, 2010 before me personally appeared David S. Bass, to me known to be the person described herein and who executed the foregoing instrument, and acknowledged that he executed the same knowingly and willingly and for the purposes therein contained.

Witness my hand and Notarial seal the day and year immediately above written.

MAUREEN BORRERO
Notary Public - State of New York
No. 01BO6145147
Qualified in Suffolk County
Commission Expires May 1, 2014
EXECUTED under seal on this 28th day of September, 2010 at Monheal, WI.

(Place)

Witness:

Bonnie Lagace

Paul Marinier (P.S.)

Province of Quebec

State of

County of Municipality of Monheal

On this 28th day of September, 2010 before me personally appeared Paul Marinier, to me known to be the person described herein and who executed the foregoing instrument, and acknowledged that he executed the same knowingly and willingly and for the purposes therein contained.

Witness my hand and Notarial seal the day and year immediately above written.

Notary Public

My Commission Expires:

13 Sept 2013
EXECUTED under seal on this 28th day of September, 2010 at Montreal, Que.

(Place)

Witness:

Bonnie Lapine

Marian Rudolf (L.S.)

State of Province of Quebec

County of Metropolitan Montreal

On this 28th day of September, 2010 before me personally appeared Marian Rudolf, to me known to be the person described herein and who executed the foregoing instrument, and acknowledged that he executed the same knowingly and willingly and for the purposes therein contained.

Witness my hand and Notarial seal the day and year immediately above written.

My Commission Expires:

13 Sept 2013

Notary Public
Atty. Docket No. IDC-10171US02

EXECUTED under seal on this 7 day of October 2010 at Melville, NY (Place)

Witness:

Bridgett Letier

Stephen E. Terry

State of New York ss.

County of Suffolk

On this 7 day of October 2010 before me personally appeared Stephen E. Terry, to me known to be the person described herein and who executed the foregoing instrument, and acknowledged that he executed the same knowingly and willingly and for the purposes therein contained.

Witness my hand and Notarial seal the day and year immediately above written.

Maureen Borrero
Notary Public

MAUREEN BORRERO
Notary Public - State of New York
No. 01BO614514
Qualified in Suffolk County
Commission Expires May 1, 2014

1391379-1 9 of 9