

# PATENT ASSIGNMENT

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<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT												
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT												
<b>CONVEYING PARTY DATA</b>													
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 70%;">Name</th> <th style="width: 30%;">Execution Date</th> </tr> </thead> <tbody> <tr> <td>Eldad M. Zeira</td> <td>11/04/2011</td> </tr> <tr> <td>Tao Deng</td> <td>11/01/2011</td> </tr> <tr> <td>Ravikumar V. Pragada</td> <td>11/01/2011</td> </tr> </tbody> </table>		Name	Execution Date	Eldad M. Zeira	11/04/2011	Tao Deng	11/01/2011	Ravikumar V. Pragada	11/01/2011				
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<b>RECEIVING PARTY DATA</b>													
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 20%;"><b>Name:</b></td> <td>InterDigital Patent Holdings, Inc.</td> </tr> <tr> <td><b>Street Address:</b></td> <td>3411 Silverside Road, Concord Plaza</td> </tr> <tr> <td><b>Internal Address:</b></td> <td>Suite 105, Hagley Building</td> </tr> <tr> <td><b>City:</b></td> <td>Wilmington</td> </tr> <tr> <td><b>State/Country:</b></td> <td>DELAWARE</td> </tr> <tr> <td><b>Postal Code:</b></td> <td>19810</td> </tr> </table>		<b>Name:</b>	InterDigital Patent Holdings, Inc.	<b>Street Address:</b>	3411 Silverside Road, Concord Plaza	<b>Internal Address:</b>	Suite 105, Hagley Building	<b>City:</b>	Wilmington	<b>State/Country:</b>	DELAWARE	<b>Postal Code:</b>	19810
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<b>PROPERTY NUMBERS Total: 1</b>													
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<b>CORRESPONDENCE DATA</b>													
<p>Fax Number: (215)568-6499</p> <p>Phone: 215-568-6400</p> <p>Email: K Lynch@vklaw.com</p> <p><i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US Mail.</i></p> <p>Correspondent Name: Volpe and Koenig, P.C.</p> <p>Address Line 1: 30 South 17th Street</p> <p>Address Line 2: United Plaza, Suite 1600</p> <p>Address Line 4: Philadelphia, PENNSYLVANIA 19103</p>													
<b>ATTORNEY DOCKET NUMBER:</b>	IDC-10821US02												
<b>NAME OF SUBMITTER:</b>	Scott Wolinsky												

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**PATENT**  
**REEL: 027250 FRAME: 0678**

**Total Attachments: 5**

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## ASSIGNMENT

Eldad M. Zeira, residing at 106 East Neck Road, Huntington, New York 11743, the United States of America, a citizen of the United States of America; Tao Deng, residing at 3 Spruce Drive, Roslyn, New York 11576, the United States of America, a citizen of the United States of America; and Ravikumar V. Pragada, residing at 309 Johnson Road, Collegeville, Pennsylvania 19426, the United States of America, a citizen of India, (hereafter jointly and severally referred to as the undersigned), are the inventors of

### METHOD AND APPARATUS FOR ESTABLISHING PEER-TO-PEER COMMUNICATION

for which the undersigned have executed an application for United States Letters Patent, U.S. Patent Application No. 13/237,483, filed September 20, 2011.

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

Atty. Docket No. IDC-10821US02

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.

11-4-11  
Date

Eldad M. Zeira  
Signature of Assignor

Signed at Melville, NY  
(City and Country)

STATEMENT OF WITNESS: I, Migaly Lopez  
Name of Witness

whose full address is: 60 E Sycamore St, Central Islip, NY 11722  
Address of Witness

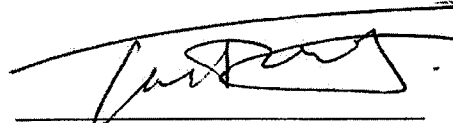
was personally present and did see Eldad M Zeira execute this  
Assignment on the 4 day of November, 2011 and such Assignor is  
personally known to me to be the person described herein.

Migaly Lopez  
Signature of Witness

Date

11/1/11

Tao Deng



Signed at

(City and Country)

Melville, NY USA

STATEMENT OF WITNESS: I,

Migaly Lopez

Name of Witness

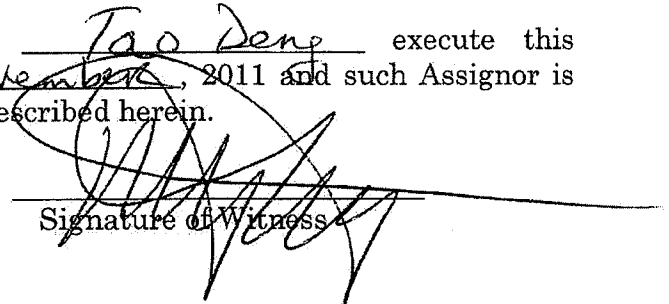
whose full address is:

60 E Sycamore St, Central Islip, NY 11722

Address of Witness

was personally present and did see Tao Deng execute this Assignment on the 1 day of November, 2011 and such Assignor is personally known to me to be the person described herein.

Signature of Witness



01-NOV-2011  
Date

Ravi Kumar V. Pragada  
Ravikumar V. Pragada

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

STATEMENT OF WITNESS: I, Wilma Mackay  
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 Ravikumar V. Pragada execute this Assignment on the 1st day of November, 2011 and such Assignor is personally known to me to be the person described herein.

Wilma Mackay  
Signature of Witness