

## PATENT ASSIGNMENT COVER SHEET

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 Stylesheet Version v1.2

EPAS ID: PAT2755313

SUBMISSION TYPE:	NEW ASSIGNMENT																		
NATURE OF CONVEYANCE:	ASSIGNMENT																		
<b>CONVEYING PARTY DATA</b>																			
<table border="1"> <thead> <tr> <th>Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>BALAJI RAGHOTHAMAN</td> <td>07/25/2013</td> </tr> <tr> <td>RAVIKUMAR V. PRAGADA</td> <td>08/13/2013</td> </tr> <tr> <td>ZHUORONG DENG</td> <td>07/25/2013</td> </tr> <tr> <td>DIANA PANI</td> <td>08/08/2013</td> </tr> <tr> <td>GHYSLAIN PELLETIER</td> <td>08/08/2013</td> </tr> <tr> <td>GWENAEL POITAU</td> <td>08/06/2013</td> </tr> <tr> <td>KIRAN K. VANGANURU</td> <td>10/11/2013</td> </tr> <tr> <td>GREGORY S. STERNBERG</td> <td>08/12/2013</td> </tr> </tbody> </table>		Name	Execution Date	BALAJI RAGHOTHAMAN	07/25/2013	RAVIKUMAR V. PRAGADA	08/13/2013	ZHUORONG DENG	07/25/2013	DIANA PANI	08/08/2013	GHYSLAIN PELLETIER	08/08/2013	GWENAEL POITAU	08/06/2013	KIRAN K. VANGANURU	10/11/2013	GREGORY S. STERNBERG	08/12/2013
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KIRAN K. VANGANURU	10/11/2013																		
GREGORY S. STERNBERG	08/12/2013																		
<b>RECEIVING PARTY DATA</b>																			
Name:	INTERDIGITAL PATENT HOLDINGS, INC.																		
Street Address:	200 BELLEVUE PARKWAY																		
Internal Address:	SUITE 300																		
City:	WILMINGTON																		
State/Country:	DELAWARE																		
Postal Code:	19809																		
<b>PROPERTY NUMBERS Total: 1</b>																			
<table border="1"> <thead> <tr> <th>Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>13906055</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13906055														
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Application Number:	13906055																		
<b>CORRESPONDENCE DATA</b>																			
Fax Number:	(215)568-6499																		
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<i>Correspondence will be sent via US Mail when the email attempt is unsuccessful.</i>																			
Correspondent Name:	VOLPE AND KOENIG, P.C.																		
Address Line 1:	30 SOUTH 17TH STREET																		
Address Line 2:	UNITED PLAZA, SUITE 1800																		

Address Line 4: PHILADELPHIA, PENNSYLVANIA 19103

ATTORNEY DOCKET NUMBER: IDC-11419US02

NAME OF SUBMITTER: JONATHAN G. LOMBARDO

Signature: /Jonathan G. Lombardo/

Date: 03/06/2014

**Total Attachments: 10**  
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## ASSIGNMENT

Balaji Raghothaman, residing at 3933 Powell Road, Chester Springs, Pennsylvania 19425, the United States of America, a citizen of India; Ravikumar V. Pragada, residing at 309 Johnson Road, Collegeville, Pennsylvania 19426, the United States of America, a citizen of the United States of America; Zhuorong Deng, residing at 1864 West 12th Street, Brooklyn, New York 11223, the United States of America, a citizen of China; Diana Pani, residing at 730 Lusignan, Apartment 4, Montreal, Quebec H3C 1Y9, Canada, a citizen of Canada; Ghyslain Pelletier, residing at 2055 rue De Valmont, Chomedey, Laval, Quebec H7M 3J3, Canada, a citizen of Canada; Gwenael Poitau, residing at 7630 Rue Casgrain, Montreal, Quebec H2R 1Y8, Canada, a citizen of Canada; Kiran K. Vanganuru, residing at 3000 Valley Forge Circle, Apartment # 1150, King of Prussia, Pennsylvania 19406, the United States of America, a citizen of India; Gregory S. Sternberg, residing at 7 Brookwood Road, Mt. Laurel, New Jersey 08054, the United States of America, citizen of the United States of America, (hereafter jointly and severally referred to as the undersigned), are the inventors of

### METHOD AND APPARATUS FOR DEVICE-TO-DEVICE (D2D) MOBILITY IN WIRELESS SYSTEMS

for which the undersigned have executed an application for United States Letters Patent, U.S. Patent Application No. 13/906,055, filed May 30, 2013.

InterDigital Patent Holdings, Inc., a Delaware corporation, having a place of business at 200 Bellevue Parkway, Suite 300, Wilmington, Delaware 19809, 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.

7/25/2013  
Date

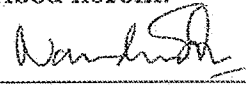
  
Balaji Raghobhman

Signed at Chester Springs, USA  
(City and Country)

STATEMENT OF WITNESS: I, NANDINI RAO  
Name of Witness

whose full address is: 3933 POWELL CO, CHESTER SPRINGS, PA 19425  
Address of Witness

was personally present and did see BALAJI RAGHOBHMAN execute this Assignment on the 25<sup>th</sup> day of JULY 2013, 2013 and such Assignor is personally known to me to be the person described herein.

  
Signature of Witness

Atty. Docket No. IDC-11419US02

Date 08/13/13

Ravi Kumar  
Ravikumar V. Pragada

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

STATEMENT OF WITNESS: I, Elizabeth Besec Kor  
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 Ravi Kumar V. Pragada execute this  
Assignment on the 13 day of August, 2013 and such Assignor is  
personally known to me to be the person described herein.

Elizabeth Besec Kor  
Signature of Witness

7/25/2013  
Date

Zhuorong Deng  
Zhuorong Deng

Signed at Brooklyn, United States  
(City and Country)

STATEMENT OF WITNESS: I, Junli Zhang  
Name of Witness

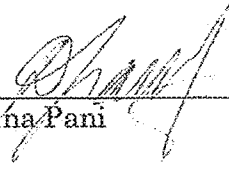
whose full address is: 1864. Wzth St. Brooklyn  
Address of Witness

was personally present and did see Zhuorong Deng execute this Assignment on the 25 day of July, 2013 and such Assignor is personally known to me to be the person described herein.

Junli Zhang  
Signature of Witness

Atty. Docket No. IDC-11419US02

August 8, 2013  
Date

  
Diana Pani

Signed at Montreal, QC Canada  
(City and Country)


STATEMENT OF WITNESS: I, Bonina LAZZARA

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

whose full address is:

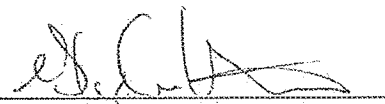
Address of Witness

was personally present and did see Diana Pani execute this Assignment on the 8 day of August, 2013 and such Assignor is personally known to me to be the person described herein.

  
Signature of Witness



August 8, 2013  
Date

  
Ghyslaine Pelletier

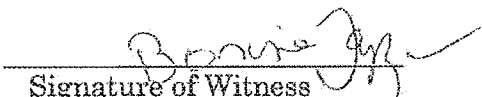
Signed at Montreal, QC Canada  
(City and Country)

STATEMENT OF WITNESS: I, Bonnie Gazzara

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

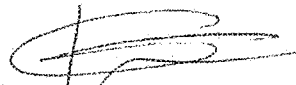
whose full address is: \_\_\_\_\_  
Address of Witness

was personally present and did see Ghyslaine Pelletier execute this Assignment on the 8 day of August, 2013 and such Assignor is personally known to me to be the person described herein.

  
Signature of Witness

Atty. Docket No. IDC-11419US02

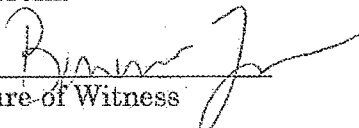
August 6, 2013  
Date

  
Gwenael Poitau

Signed at Montreal, QC Canada  
(City and Country)

STATEMENT OF WITNESS: I, Bonnie LOZARAA  
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 Gwenael Poitau execute this Assignment on the 6 day of August, 2013 and such Assignor is personally known to me to be the person described herein.

  
Signature of Witness

Atty. Docket No. IDC-11419US02

10/11/2013  
Date

V.S. Kiran Kumar  
Kiran K. Vanganuru

Signed at \_\_\_\_\_  
(City and Country)

STATEMENT OF WITNESS: I, \_\_\_\_\_  
Name of Witness


whose full address is: \_\_\_\_\_  
Address of Witness

was personally present and did see \_\_\_\_\_ execute this  
Assignment on the \_\_\_\_\_ day of \_\_\_\_\_, 2013 and such Assignor is  
personally known to me to be the person described herein.

\_\_\_\_\_  
Signature of Witness

Atty. Docket No. IDC-11419US02

12 Aug 2013  
Date


  
Gregory S. Sternberg

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

STATEMENT OF WITNESS: I, Amy L. Hudak  
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 Gregory S. Sternberg execute this Assignment on the 12th day of August, 2013 and such Assignor is personally known to me to be the person described herein.

  
Signature of Witness