

PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
Janet A. Stern-Berkowitz	06/08/2011
Chang-Soo Koo	06/03/2011
Peter S Wang	06/06/2011
Sung-Hyuk Shin	06/02/2011
John W. Haim	06/02/2011
Stephen G. Dick	06/03/2011
Mihaela C. Beluri	06/02/2011

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

Property Type	Number
Application Number:	13078531

CORRESPONDENCE DATA

Fax Number: (215)568-6499
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 Phone: 215-568-6400
 Email: WMcMichael@vklaw.com
 Correspondent Name: Volpe and Koenig, P.C.
 Address Line 1: 30 South 17th Street
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 Address Line 4: Philadelphia, PENNSYLVANIA 19103

CH \$40.00 13078531

ATTORNEY DOCKET NUMBER:	IDC-10578US02-WTM/KLL
NAME OF SUBMITTER:	Wesley T. McMichael
<p>Total Attachments: 9 source=IDC-10578US02-Executed Assignment#page1.tif source=IDC-10578US02-Executed Assignment#page2.tif source=IDC-10578US02-Executed Assignment#page3.tif source=IDC-10578US02-Executed Assignment#page4.tif source=IDC-10578US02-Executed Assignment#page5.tif source=IDC-10578US02-Executed Assignment#page6.tif source=IDC-10578US02-Executed Assignment#page7.tif source=IDC-10578US02-Executed Assignment#page8.tif source=IDC-10578US02-Executed Assignment#page9.tif</p>	

ASSIGNMENT

Janet A. Stern-Berkowitz, residing at 41-20 Glenwood Street, Little Neck, New York 11363, the United States of America, a citizen of the United States of America; Chang-Soo Koo, residing at 281 Altessa Boulevard, Melville, New York 11747, the United States of America, a citizen of the United States of America; Peter S. Wang, residing at 412 Pond Path, E. Setauket, New York 11733, the United States of America, a citizen of the United States of America; Sung-Hyuk Shin, residing 104 Eidner Way, Northvale, New Jersey 07647, the United States of America, a citizen of the United States of America; John W. Haim, residing at 1848 Longfellow Street, Baldwin, New York 11510, the United States of America, a citizen of the United States of America; Stephen G. Dick, residing at 61 Bobann Drive, Nesconset, New York 11767, the United States of America, a citizen of the United States of America; and Mihaela C. Beluri, residing at 239 West Neck Road, Huntington, New York 11743, the United States of American, a citizen of Canada; (hereafter jointly and severally referred to as the undersigned), are the inventors of

**UPLINK SOUNDING REFERENCE SIGNALS
CONFIGURATION AND TRANSMISSION**

for which the undersigned have executed an application for United States Letters Patent, U.S. Patent Application No. 13/078,531, filed April 1, 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

Atty. Docket No. IDC-10578US02

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-10578US02

EXECUTED under seal on this 8 day of June,
2011 at Melville, NY
(Place)

Witness:

Bridget Jeter

Janet A. Stern-Berkowitz (L.S.)
Janet A. Stern-Berkowitz

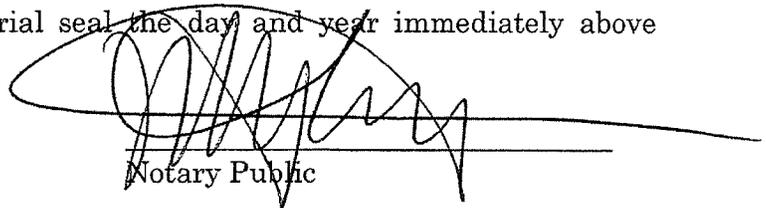
State of New York

ss.

County of Suffolk

On this 8 day of June, 2011 before me personally appeared Janet A. Stern-Berkowitz, to me known to be the person described herein and who executed the foregoing instrument, and acknowledged that she 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:

MIGALY LOPEZ
NOTARY PUBLIC - STATE OF NEW YORK
No. 01L06183181
Qualified in Suffolk County
Commission Expires March 10, 2012

Atty. Docket No. IDC-10578US02

EXECUTED under seal on this 3 day of June,

2011 at Melville, NY.
(Place)

Witness:

Bridgett Jeter

Chang-Soo Koo (L.S.)
Chang-Soo Koo

State of New York

County of Suffolk ss.

On this 3 day of June, 2011 before me personally appeared Chang-Soo Koo, to me known to be the person described herein and who executed the foregoing instrument, and acknowledged that he/she 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.

[Signature]
Notary Public

My Commission Expires:

MIGALY LOPEZ
NOTARY PUBLIC - STATE OF NEW YORK
No. 01L06183181
Qualified in Suffolk County
Commission Expires March 10, 2012

EXECUTED under seal on this 6 day of June,
2011 at Melville, NY
(Place)

Witness:

Bridget Jetter

Peter S. Wang (L.S.)
Peter S. Wang

State of New York
County of Suffolk ss.

On this 6 day of June, 2011 before me personally appeared Peter S. Wang, 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.

[Signature]
Notary Public

My Commission Expires:

MIGALY LOPEZ
NOTARY PUBLIC - STATE OF NEW YORK
No. 01106183181
Qualified in Suffolk County
Commission Expires March 10, 2012

Atty. Docket No. IDC-10578US02

EXECUTED under seal on this 2 day of June,
2011 at Melville, NY
(Place)

Witness:

Bridgett Jeter

[Signature] (L.S.)
Sung-Hyuk Shin

State of New York
County of Suffolk ss.

On this 2 day of June, 2011 before me personally appeared Sung-Hyuk Shin, to me known to be the person described herein and who executed the foregoing instrument, and acknowledged that he/she 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.

[Signature]
Notary Public

My Commission Expires:

MIGALY LOPEZ
NOTARY PUBLIC - STATE OF NEW YORK
No. 01LO6183181
Qualified in Suffolk County
Commission Expires March 10, 2012

Atty. Docket No. IDC-10578US02

EXECUTED under seal on this 2nd day of JUNE, 2011,

2011 at MELVILLE, NY
(Place)

Witness:

Bridgett Jeter

[Signature] (L.S.)
John W. Haim

State of New York

County of Suffolk ss.

On this 2nd day of JUNE, 2011 before me personally appeared John W. Haim, 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.

[Signature]
Notary Public

My Commission Expires:

MIGALY LOPEZ
NOTARY PUBLIC - STATE OF NEW YORK
No. 01L06183181
Qualified in Suffolk County
Commission Expires March 10, 2012

Atty. Docket No. IDC-10578US02

EXECUTED under seal on this 3 day of June,
2011 at Melville, NY
(Place)

Witness:

Budgett Jeter

Stephen G. Dick (L.S.)
Stephen G. Dick

State of New York

ss.

County of Suffolk

On this 3 day of June, 2011 before me personally appeared Stephen G. Dick, 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.

[Signature]
Notary Public

My Commission Expires:

MIGALY LOPEZ
NOTARY PUBLIC - STATE OF NEW YORK
No. 01LO6183181
Qualified in Suffolk County
Commission Expires March 10, 2012

EXECUTED under seal on this 2 day of June,
at Melville, NY
(Place)

Witness:

Bridgett Jeter

Mihaela C. Beluri (L.S.)
Mihaela C. Beluri

State of New York
County of Suffolk ss.

On this 2 day of June, 2011 before me personally appeared Mihaela C. Beluri, to me known to be the person described herein and who executed the foregoing instrument, and acknowledged that he/she 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.

Migaly Lopez
Notary Public

My Commission Expires:

MIGALY LOPEZ
NOTARY PUBLIC - STATE OF NEW YORK
No. 01LO6183181
Qualified in Suffolk County
Commission Expires March 10, 2012