

PATENT ASSIGNMENT

Electronic Version v1.1
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SUBMISSION TYPE:	NEW ASSIGNMENT								
NATURE OF CONVEYANCE:	ASSIGNMENT								
CONVEYING PARTY DATA									
<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width:70%;">Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>Steven J. Goldberg</td> <td>06/02/2008</td> </tr> <tr> <td>Yogendra C. Shah</td> <td>06/04/2008</td> </tr> <tr> <td>Alexander Reznik</td> <td>06/04/2008</td> </tr> </tbody> </table>		Name	Execution Date	Steven J. Goldberg	06/02/2008	Yogendra C. Shah	06/04/2008	Alexander Reznik	06/04/2008
Name	Execution Date								
Steven J. Goldberg	06/02/2008								
Yogendra C. Shah	06/04/2008								
Alexander Reznik	06/04/2008								
RECEIVING PARTY DATA									
Name:	InterDigital Technology Corporation								
Street Address:	3411 Silverside Road								
Internal Address:	Concord Plaza, Suite 105, Hagley Building								
City:	Wilmington								
State/Country:	DELAWARE								
Postal Code:	19810								
PROPERTY NUMBERS Total: 1									
<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width:30%;">Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>12106926</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	12106926				
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Application Number:	12106926								
CORRESPONDENCE DATA									
Fax Number:	(215)568-6499								
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>									
Phone:	215-568-6400								
Email:	Wmcmichael@volpe-koenig.com								
Correspondent Name:	Wesley T. McMichael								
Address Line 1:	30 South 17th Street								
Address Line 2:	United Plaza, Suite 1600								
Address Line 4:	Philaldephia, PENNSYLVANIA 19103								
ATTORNEY DOCKET NUMBER:	ITC-2-1673.01.US WTM/JCS								
NAME OF SUBMITTER:	Wesley T. McMichael								
Total Attachments: 5									

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ASSIGNMENT

Steven J. Goldberg, residing at 1017 Chiswell Drive, Downingtown, Pennsylvania 19335, a citizen of the United States of America; Yogendra C. Shah, residing at 10 Regency Court, Exton, Pennsylvania 19341, a citizen of Great Britain, and Alexander Reznik, residing at 1212 River Road, Titusville, New Jersey 08560, 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 PERFORMING JRNSO IN FDD,
TDD AND MIMO COMMUNICATIONS**

for which the undersigned have executed an application for United States Letters Patent, U.S. Patent Application No. 12/106,926, filed April 21, 2008.

The undersigned hereby authorize assignee or assignee's representative to insert the Application Number and the filing date of this application if they are unknown at the time of execution of this assignment.

InterDigital Technology Corporation, 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.

Atty. Docket No. ITC-2-1673.01.US

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.

EXECUTED under seal on this 2nd day of June,
2008 at King of Prussia, Pennsylvania
(Place)

Witness:

Amy L. Serhienko

Steven J. Goldberg (L.S.)
Steven J. Goldberg

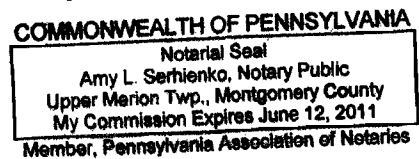
Commonwealth
State of Pennsylvania
County of Montgomery ss.

On this 2nd day of June, 2008 before me personally appeared Steven J. Goldberg, 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.

Amy L. Serhienko
Notary Public

My Commission Expires:
June 12, 2011



EXECUTED under seal on this 4th day of June,
2008 at Kings of Prussia, Pennsylvania
(Place)

Witness:

Amy L Serhienko

Y. Shah. (L.S.)
Yogendra C. Shah

Commonwealth
State of Pennsylvania

ss.

County of Montgomery

On this 4th day of June, 2008 before me personally appeared
Yogendra C. Shah, 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.

My Commission Expires:

June 12, 2011

Amy L Serhienko
Notary Public
COMMONWEALTH OF PENNSYLVANIA
Notarial Seal
Amy L. Serhienko, Notary Public
Upper Merion Twp., Montgomery County
My Commission Expires June 12, 2011
Member, Pennsylvania Association of Notaries

EXECUTED under seal on this 4th day of June,
2008 at Kings of Prussia, Pennsylvania
(Place)

Witness:

Amy L. Semienko

Alexander Reznik (L.S.)
Alexander Reznik

Commonwealth
State of Pennsylvania

ss.

County of Montgomery

On this 4th day of June, 2008 before me personally appeared Alexander Reznik, 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:

June 12, 2011

Amy L. Semienko
Notary Public
COMMONWEALTH OF PENNSYLVANIA
Notarial Seal
Amy L. Semienko, Notary Public
Upper Merion Twp., Montgomery County
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