

**PATENT ASSIGNMENT**

Electronic Version v1.1  
 Stylesheet Version v1.1

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT

**CONVEYING PARTY DATA**

Name	Execution Date
Robert Lind Olesen	03/21/2007
Eldad M. Zeira	03/21/2007
Peter J. Voltz	03/19/2007
Yongwen E. Yang	05/10/2007
Qingyuan Dai	03/16/2007
Chang-Soo Koo	03/21/2007
I-Tai Lu	03/23/2007
KunJu Tsai	04/02/2007

**RECEIVING PARTY DATA**

<b>Name:</b>	InterDigital Technology Corporation
<b>Street Address:</b>	3411 Silverside Road
<b>Internal Address:</b>	Concord Plaza, Suite 105, Hagley Building
<b>City:</b>	Wilmington
<b>State/Country:</b>	DELAWARE
<b>Postal Code:</b>	19810

**PROPERTY NUMBERS Total: 1**

Property Type	Number
<b>Application Number:</b>	11621755

**CORRESPONDENCE DATA**

**Fax Number:** (215)568-6499  
*Correspondence will be sent via US Mail when the fax attempt is unsuccessful.*  
**Phone:** 2155686400  
**Email:** SWolinsky@volpe-koenig.com  
**Correspondent Name:** Volpe and Koenig, P.C.  
**Address Line 1:** 30 South 17th Street  
**Address Line 2:** United Plaza, Suite 1600

**CH \$40.00 11621755**

Address Line 4: Philadelphia, PENNSYLVANIA 19103

ATTORNEY DOCKET NUMBER:

ITC-2-1220.01.US

NAME OF SUBMITTER:

Scott Wolinsky

**Total Attachments: 10**

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## ASSIGNMENT

Robert Lind Olesen, residing at 3 Country Club Drive, Huntington, New York, 11743, a citizen of the United States of America; Eldad M. Zeira, residing at 106 East Neck Road, Huntington, New York, 11743, a citizen of the United States of America; Peter J. Voltz, residing at 24 Roberta Lane, Commack, New York, 11725, a citizen of the United States of America; Yongwen E. Yang, residing at 9 Lewis Street, Hillsborough, New Jersey, 08844, a citizen of China; Qingyuan Dai, residing at 18406 Crownsgate Circle, Germantown, Maryland, 20874, a citizen of the United States of America; Chang-Soo Koo, residing at 281 Altessa Boulevard, Melville, New York, 11747, a citizen of the United States of America; I-Tai Lu, residing at 4 Carol Court, Dix Hills, New York, 11746, a citizen of the United States of America; and KunJu Tsai, residing at 107-19 70<sup>th</sup> Avenue, Apartment 508, Forest Hills, New York, 11375, a citizen of Taiwan, (hereafter jointly and severally referred to as the undersigned), are the inventors of

### METHOD AND APPARATUS FOR IMPLEMENTING SPACE TIME PROCESSING WITH UNEQUAL MODULATION AND CODING SCHEMES

for which the undersigned have executed an application for United States Letters Patent, U.S. Patent Application No. 11/621,755, filed January 10, 2007.

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.

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 21<sup>st</sup> day of March,  
2007 at Melville, NY.  
(Place)

Witness:

Angela Torio

[Signature] (L.S.)  
Robert Lind Olesen

State of New York  
County of Suffolk ss.

On this 21 day of March, 2007 before me personally appeared Robert Lind Olesen, 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:

May 1, 2010

MAUREEN BORRERO  
Notary Public - State of New York  
No. 01B06145147  
Qualified in Suffolk County  
Commission Expires May 1, 2010

EXECUTED under seal on this 21<sup>st</sup> day of March,  
2007 at Melville, NY.  
(Place)

Witness:

Angela Sorio

Eldad M. Zeira (L.S.)

State of New York  
County of Suffolk ss.

On this 21 day of March, 2007 before me personally appeared Eldad M. Zeira, 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.

Maureen Borrero  
Notary Public

My Commission Expires:  
May 1, 2010

MAUREEN BORRERO  
Notary Public - State of New York  
No. 01B06145147  
Qualified in Suffolk County  
Commission Expires May 1, 2010

EXECUTED under seal on this 19<sup>th</sup> day of March,  
2007 at Melville, NY.  
(Place)

Witness:

Angela Torio

Pete J. Voltz (L.S.)  
Peter J. Voltz

State of New York  
County of Suffolk ss.

On this 19 day of March, 2007 before me personally appeared Peter J. Voltz, 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.

Maureen Borrero  
Notary Public

MAUREEN BORRERO  
Notary Public - State of New York  
No. 01B06145147  
Qualified in Suffolk County  
Commission Expires May 1, 2010

My Commission Expires:

May 1, 2010

EXECUTED under seal on this 10<sup>th</sup> day of May,  
2007 at King of Prussia, Pennsylvania  
(Place)

Witness:

Amy L. Serbiento Blair

Yongwen E. Yang (L.S.)  
Yongwen E. Yang

State of PENNSYLVANIA

ss.

County of MONTGOMERY

On this 10<sup>th</sup> day of MAY, 2007 before me personally appeared Yongwen E. Yang, 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.

Adrienne G. Juskalian  
Notary Public

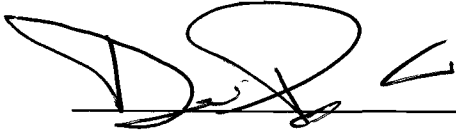
My Commission Expires:


COMMONWEALTH OF PENNSYLVANIA  
Notarial Seal  
Adrienne G. Juskalian, Notary Public  
Franconia Twp., Montgomery County  
My Commission Expires June 15, 2010  
Member, Pennsylvania Association of Notaries



EXECUTED under seal on this 16 day of March,  
2007 at BBT  
(Place)

Witness:

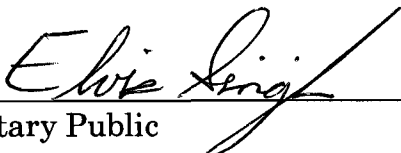
  
\_\_\_\_\_

  
\_\_\_\_\_ (L.S.)  
Quingyuan Dai

State of Virginia  
County of Fairfax ss.

On this 16<sup>th</sup> day of March, 2007 before me personally appeared Quingyuan Dai, 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.

  
\_\_\_\_\_ Notary Public

My Commission Expires: **Elvis Singh  
NOTARY PUBLIC  
Commonwealth of Virginia  
My Commission Expires 12/31/2008**

EXECUTED under seal on this 21<sup>st</sup> day of March,  
2007 at Melville, NY.  
(Place)

Witness:

Angela Torio

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

State of New York  
County of Suffolk ss.

On this 21 day of March, 2007 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.

Maureen Borrero  
Notary Public

My Commission Expires:

May 1, 2010

**MAUREEN BORRERO**  
Notary Public - State of New York  
No. 01B06145147  
Qualified in Suffolk County  
Commission Expires May 1, 2010

EXECUTED under seal on this 23<sup>rd</sup> day of March,  
2007 at Melville, NY  
(Place)

Witness:

Angela Iorio

I-Tai Lu (L.S.)  
I-Tai Lu

State of New York  
County of Suffolk ss.

On this 23 day of MARCH, 2007 before me personally appeared I-Tai Lu, 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.

Maureen Borrero  
Notary Public

My Commission Expires:

May 1, 2010

MAUREEN BORRERO  
Notary Public - State of New York  
No. 01B06145147  
Qualified in Suffolk County  
Commission Expires May 1, 2010

EXECUTED under seal on this 2<sup>nd</sup> day of April,  
2007 at Melville, NY, USA.  
(Place)

Witness:

Angela Torio

KunJu Tsai (L.S.)  
KunJu Tsai

State of New York  
County of Suffolk ss.

On this 2 day of April, 2007 before me personally appeared KunJu Tsai, 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.

Maureen Borrero  
Notary Public

My Commission Expires:

May 1, 2010

**MAUREEN BORRERO**  
Notary Public - State of New York  
No. 01BO6145147  
Qualified in Suffolk County  
Commission Expires May 1, 2010