

# PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
Kyle Jung-Lin Pan	09/18/2007
Robert Lind Olesen	09/17/2007
Donald M. Grieco	09/17/2007
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	
Property Type	Number
Application Number:	11840328
CORRESPONDENCE DATA	
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ATTORNEY DOCKET NUMBER:	ITC-2-1352.01.US SW/JCS
NAME OF SUBMITTER:	Scott Wolinsky
Total Attachments: 4	

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**PATENT**  
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## **ASSIGNMENT**

Kyle Jung-Lin Pan, residing at 43 Avalon Circle, Smithtown, New York, 11787, a citizen of the United States of America; Robert Lind Olesen, residing at 3 Country Club Drive, Huntington, New York, 11743, a citizen of the United States of America; and Donald M. Grieco, residing at 18 Shore Drive, Manhasset, New York, 11030, 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 PROVIDING EFFICIENT PRECODING FEEDBACK IN A MIMO WIRELESS COMMUNICATION SYSTEM**

for which the undersigned have executed an application for United States Letters Patent, U.S. Patent Application No. 11/840,328, filed August 17, 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 18<sup>th</sup> day of September,  
2007 at Melville, NY, USA.  
(Place)

Witness:

Angela Torio

Kyle Jung-Lin Pan (L.S.)  
Kyle Jung-Lin Pan

State of

New York

County of

Suffolk

ss.

On this 18 day of September, 2007 before me personally appeared Kyle Jung-Lin Pan, 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.

Maureen Borrero  
Notary Public

My Commission Expires:

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

EXECUTED under seal on this 17<sup>th</sup> day of September,  
2007 at Melville, NY, USA.  
(Place)

Witness:

Angela Torio

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

State of New York  
County of Suffolk ss.

On this 17 day of September, 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 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:

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

EXECUTED under seal on this 17<sup>th</sup> day of September,  
2007 at Melville, NY, USA.  
(Place)

Witness:

Angela Torio

Donald M Grieco (L.S.)  
Donald M. Grieco

State of New York  
County of Suffolk ss.

On this 17 day of September, 2007 before me personally appeared Donald M. Grieco, 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.

Maureen Borrero  
Notary Public

My Commission Expires:

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