

PATENT ASSIGNMENT

Electronic Version v1.1

Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT								
NATURE OF CONVEYANCE:	ASSIGNMENT								
CONVEYING PARTY DATA									
<table border="1"><thead><tr><th>Name</th><th>Execution Date</th></tr></thead><tbody><tr><td>Ana Lucia Pinheiro</td><td>02/29/2008</td></tr><tr><td>Mohammed Sammour</td><td>02/07/2008</td></tr><tr><td>Shankar Somasundaram</td><td>02/27/2008</td></tr></tbody></table>		Name	Execution Date	Ana Lucia Pinheiro	02/29/2008	Mohammed Sammour	02/07/2008	Shankar Somasundaram	02/27/2008
Name	Execution Date								
Ana Lucia Pinheiro	02/29/2008								
Mohammed Sammour	02/07/2008								
Shankar Somasundaram	02/27/2008								
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"><thead><tr><th>Property Type</th><th>Number</th></tr></thead><tbody><tr><td>Application Number:</td><td>11968979</td></tr></tbody></table>		Property Type	Number	Application Number:	11968979				
Property Type	Number								
Application Number:	11968979								
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:	YHwang@volpe-koenig.com								
Correspondent Name:	Yong B. Hwang								
Address Line 1:	30 South 17th Street								
Address Line 2:	United Plaza, Suite 1600								
Address Line 4:	Philaldephia, PENNSYLVANIA 19103								
ATTORNEY DOCKET NUMBER:	ITC-2-1469.01.US YBH/JCS								
NAME OF SUBMITTER:	Yong B. Hwang								
Total Attachments: 4									

CH \$40.00 11968979

500495624

PATENT  
REEL: 020696 FRAME: 0711

source=ITC-2-1469.01.US-Executed Assignment#page1.tif  
source=ITC-2-1469.01.US-Executed Assignment#page2.tif  
source=ITC-2-1469.01.US-Executed Assignment#page3.tif  
source=ITC-2-1469.01.US-Executed Assignment#page4.tif

## ASSIGNMENT

Ana Lucia Pinheiro, residing at 1118 Skiles Boulevard, West Chester, Pennsylvania, 19382, a citizen of the United States of America; Mohammed Sammour, residing at 2555 Modugno, Apartment #705, Montreal, Quebec, Canada, H4R 2L5, a citizen of Canada; and Shankar Somasundaram, residing at 5 Andover Drive, Deer Park, New York, 11729, a citizen of India, (hereafter jointly and severally referred to as the undersigned), are the inventors of

### METHOD AND APPARATUS FOR HYBRID AUTOMATIC REPEAT REQUEST TRANSMISSION

for which the undersigned have executed an application for United States Letters Patent, U.S. Patent Application No. 11/968,979, filed January 3, 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.

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 29<sup>th</sup> day of February,  
2008 at King of Prussia, Pennsylvania  
(Place)

Witness:

Amy L. Serchenko Bean

Ana Lucia Pinheiro (L.S.)  
Ana Lucia Pinheiro

Commonwealth  
State of Pennsylvania

ss.

County of Montgomery

On this 29<sup>th</sup> day of February, 2008 before me personally appeared Ana Lucia Pinheiro, 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.

My Commission Expires:

June 12, 2011

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

EXECUTED under seal on this 7 day of February,  
2008 at MONTREAL QUEBEC.  
(Place)

Witness:

Shannon Gass  
Shannon GASS

Mohammed Sammour (L.S.)  
Mohammed Sammour

State of PROVINCE OF QUEBEC  
ss.

County of MUNICIPALITY OF MONTREAL

On this 7<sup>th</sup> day of February, 2008 before me personally appeared  
Mohammed Sammour, 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.

G. Liberte  
Notary Public



My Commission Expires:

13 Sept 2010

EXECUTED under seal on this 27<sup>th</sup> day of February,  
2008 at Melville, NY.  
(Place)

Witness:

Diane Lawrence

Shankar (L.S.)  
Shankar Somasundaram

State of New York  
County of Suffolk ss.

On this 27<sup>th</sup> day of February 2008 before me personally appeared  
Shankar Somasundaram, 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.

Angela Torio  
Notary Public

My Commission Expires:

ANGELA TORIO  
NOTARY PUBLIC - STATE OF NEW YORK  
No. 01T06181002  
Qualified in Suffolk County  
Commission Expires January 22, 2012