

Attny. Docket No. I-2-0329.1US

Form <b>PTO-1595</b> (Rev. 10/02) OMB No. 0651-0027 (exp. 6/30/2005) Tab settings ⇌ ⇌ ⇌ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼		<b>RECORDATION FORM COVER SHEET</b> <b>PATENTS ONLY</b>		U.S. DEPARTMENT OF COMMERCE U.S. Patent and Trademark Office	
To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.					
1. Name of conveying party(ies): TERRY, STEPHEN E. CHAO, YI-JU MILLER, JAMES M. SHIN, SUNG-HYUK  Additional name(s) of conveying party(ies) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			2. Name and address of receiving party(ies) Name: <u>INTERDIGITAL TECHNOLOGY CORPORATION</u>  Internal Address: <u>SUITE 527</u>    Street Address: <u>300 DELAWARE AVENUE</u>   City: <u>WILMINGTON</u> State: <u>DE</u> Zip: <u>19801</u>  Additional name(s) & address(es) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
3. Nature of conveyance: <input checked="" type="checkbox"/> Assignment <input type="checkbox"/> Merger <input type="checkbox"/> Security Agreement <input type="checkbox"/> Change of Name <input type="checkbox"/> Other _____  Execution Date: <u>07/17/2003</u>					
4. Application number(s) or patent number(s): If this document is being filed together with a new application, the execution date of the application is: _____ A. Patent Application No.(s) <u>10/434,882</u> B. Patent No.(s) _____  Additional numbers attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No					
5. Name and address of party to whom correspondence concerning document should be mailed: Name: <u>GERALD B. HALT, JR.</u>  Internal Address: <u>VOLPE AND KOENIG, P.C.</u> <u>UNITED PLAZA, SUITE 1600</u>   Street Address: _____ <u>30 SOUTH 17TH STREET</u>  City: <u>PHILADELPHIA</u> State: <u>PA</u> Zip: <u>19103</u>			6. Total number of applications and patents involved: <u>1</u>  7. Total fee (37 CFR 3.41).....\$ <u>40.00</u> <input type="checkbox"/> Enclosed <input checked="" type="checkbox"/> Authorized to be charged to deposit account  8. Deposit account number: <u>09-0435</u> <u>INTERDIGITAL COMMUNICATIONS CORPORATION</u>  (Attach duplicate copy of this page if paying by deposit account)		
<b>DO NOT USE THIS SPACE</b>					
9. Statement and signature. <i>To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.</i> <u>GERALD B. HALT, JR.</u> Name of Person Signing Reg. No. <u>37,633</u>  Signature <u>[Signature]</u> Date <u>8/19/03</u>  Total number of pages including cover sheet, attachments, and documents: <u>11</u>					

Mail documents to be recorded with required cover sheet information to:

Mail Stop Assignment Recordation Services  
Director of the US Patent and Trademark Office  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sheet 1 of 1

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PATENT  
REEL: 013888 FRAME: 0896

CH \$40.00 090435 10434882

Atty. Docket No. I-2-0329.1US

**ASSIGNMENT**

Stephen E. Terry, residing at 15 Summit Avenue, Northport, NY 11768, a citizen of the United States of America; Yi-Ju Chao, residing at 15345 Woodside Lane, Minnetonka, MN 55345, a citizen of Taiwan; James M. Miller, residing at 18 Louisburg Square, Verona, NJ 07044, a citizen of the United States of America; and Sung-Hyuk Shin, residing at 1531 8<sup>th</sup> Street, Fort Lee, NJ 07024, a citizen of the United States of America, (hereafter jointly and severally referred to as the undersigned), are the inventors of

**SYSTEM AND METHOD FOR MONITORING TRANSMISSION SEQUENCE  
NUMBERS ASSIGNED TO PROTOCOL DATA UNITS TO DETECT AND  
CORRECT TRANSMISSION ERRORS**

for which the undersigned have executed an application for United States Letters Patent, U.S. Patent Application No. 10/434,882, filed May 09, 2003.

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 300 Delaware Avenue, Suite 527, Wilmington, DE 19801, 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 17<sup>th</sup> day of July, 2003  
at Manhasset N.Y.  
(Place)

Witness:

Michel Catron Stephen E. Terry (L.S.)  
Stephen E. Terry

State of New York  
County of Suffolk

ss.

On this 17<sup>th</sup> day of July, 2003 before me personally appeared Stephen E. Terry, 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.

Russ J. Conrath  
Notary Public

My Commission Expires:

EXECUTED under seal on this \_\_\_\_ day of \_\_\_\_\_, 2003  
at \_\_\_\_\_.  
(Place)

Witness:

\_\_\_\_\_  
Yi-Ju Chao (L.S.)

State of

ss.

County of

On this \_\_\_\_ day of \_\_\_\_\_, 2003 before me personally appeared Yi-Ju Chao, 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:

EXECUTED under seal on this 17<sup>th</sup> day of July, 2003  
at McLure, NY.  
(Place)

Witness:

Michelle Catania  
James M. Miller (L.S.)  
James M. Miller

State of New York  
County of Suffolk ss.

On this 17<sup>th</sup> day of July, 2003 before me personally appeared James M. Miller, 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.

Laura J. Commisso  
Notary Public

My Commission Expires:

**Laura J. Commisso**  
**Notary Public, State of New York**  
**No. 01CO6004541**  
**Qualified in Nassau County**  
**Commission expires May 13, 2006**

Atty. Docket No. I-2-0329.1US

**ASSIGNMENT**

Stephen E. Terry, residing at 15 Summit Avenue, Northport, NY 11768, a citizen of the United States of America; Yi-Ju Chao, residing at 15345 Woodside Lane, Minnetonka, MN 55345, a citizen of Taiwan; James M. Miller, residing at 18 Louisburg Square, Verona, NJ 07044, a citizen of the United States of America; and Sung-Hyuk Shin, residing at 1531 8<sup>th</sup> Street, Fort Lee, NJ 07024, a citizen of the United States of America, (hereafter jointly and severally referred to as the undersigned), are the inventors of

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The undersigned warrant that the rights and property herein conveyed are free and clear of any encumbrance.

EXECUTED under seal on this \_\_\_\_\_ day of \_\_\_\_\_, 2003  
at \_\_\_\_\_  
(Place) --

Witness:

\_\_\_\_\_  
Stephen E. Terry (L.S.)

State of \_\_\_\_\_  
County of \_\_\_\_\_ ss.

On this \_\_\_\_\_ day of \_\_\_\_\_, 2003 before me personally appeared Stephen E. Terry, 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.

\_\_\_\_\_  
Notary Public  
My Commission Expires:

EXECUTED under seal on this 25 day of July, 2003  
at Minnetonka, MN  
(Place)

Witness:

Rahul Z Zang

Yi-Ju Chao (L.S.)  
Yi-Ju Chao

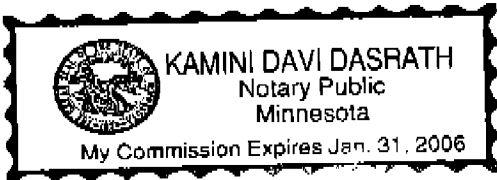
State of Minnesota  
County of Hennepin ss.

On this 25<sup>th</sup> day of July, 2003 before me personally appeared Yi-Ju Chao, 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.

Kamini Dasi Dasrath  
Notary Public

My Commission Expires: 01-31-2006





EXECUTED under seal on this \_\_\_\_\_ day of \_\_\_\_\_, 2003  
at \_\_\_\_\_.  
(Place)

Witness:

\_\_\_\_\_  
James M. Miller (L.S.)

State of \_\_\_\_\_  
County of \_\_\_\_\_ ss.

On this \_\_\_\_\_ day of \_\_\_\_\_, 2003 before me personally appeared James M. Miller, 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.

\_\_\_\_\_  
Notary Public  
My Commission Expires:

EXECUTED under seal on this \_\_\_\_\_ day of \_\_\_\_\_, 2003  
at \_\_\_\_\_.  
(Place)

Witness:

\_\_\_\_\_  
Sung-Hyuk Shin (L.S.)

State of \_\_\_\_\_  
County of \_\_\_\_\_ ss.

On this \_\_\_\_\_ day of \_\_\_\_\_, 2003 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 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:

EXECUTED under seal on this 17 day of July, 2003  
at Melville, NY  
(Place)

Witness:

Michelle Catania

Sung-Hyuk Shin (L.S.)  
Sung-Hyuk Shin

State of New York

ss.

County of Suffolk

On this 17<sup>th</sup> day of July, 2003 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 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.

Laura J. Commisso  
Notary Public

My Commission Expires:

**Laura J. Commisso**  
**Notary Public, State of New York**  
**No. 01CO6004541**  
**Qualified in Nassau County**  
**Commission expires May 13, 2006**