


Attny. Docket No. I-2-0459.1US

Form PTO-1595 (Rev. 10/02) OMB No. 0651-0027 (exp. 6/30/2005) Tab settings		RECORDATION FORM COVER SHEET PATENTS ONLY		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): HAIM, JOHN W. TYRA, FRYDERYK GUCCIONE, LOUIS J. AXNESS, TIMOTHY A. GRIECO, DONALD M. 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>DELAWARE</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 _____		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>10/799,951</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>Stanley N. Protigal</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)			
DO NOT USE THIS SPACE					
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>Stanley N. Protigal</u>  <u>August 2, 2004</u> Name of Person Signing Signature Date Reg. No. 28,657 Total number of pages including cover sheet, attachments, and documents: <u>7</u>					

Mail documents to be recorded with required cover sheet information to: Sheet 1 of 1

Mail Stop Assignment: Recordation Services
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PATENT
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ASSIGNMENT

John W. Haim, residing at 1848 Longfellow Street, Baldwin, New York, 11510, a citizen of the United States of America, Fryderyk Tyra, residing at 21 Bradbury Avenue, Huntington Station, New York, 11746, a citizen of the United States of America, Louis J. Guccione, residing at 211 Lincoln Place, East Chester, New York, 10709, a citizen of the United States of America, Timothy A. Axness, residing at 270 Richard Way, Collegeville, Pennsylvania, 19426, a citizen of the United States of America, and Donald M. Grieco, residing at 18 Shore Road, 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

ENHANCED AUTOMATIC GAIN CONTROL

MECHANISM FOR TIME-SLOTTED DATA TRANSMISSIONS

for which the undersigned have executed an application for United States Letters Patent, U.S. Patent Application No. 10/799,951, filed March 12, 2004.

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, Delaware 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

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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 22nd day of July,

2004 at MELVILLE, NY
(Place)

Witness:

M. Catano

John W. Haim (L.S.)
John W. Haim

State of New York

ss.

County of Suffolk

On this 22nd day of July, 2004 before me personally appeared John W. Haim, 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 19, 2006

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EXECUTED under seal on this 22nd day of July,

2004 at Melville, N.Y.
(Place)

Witness:

M Catania

Fryderyk Tyra (L.S.)
Fryderyk Tyra

State of New York

ss.

County of Suffolk

On this 22nd day of July, 2004 before me personally appeared Fryderyk Tyra, 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-2-0459.1US

EXECUTED under seal on this 22nd day of July,

2004 at Melville, NY
(Place)

Witness:

M Catania

Louis J. Guccione (L.S.)
Louis J. Guccione

State of New York

ss.

County of Suffolk

On this 22nd day of July, 2004 before me personally appeared Louis J. Guccione, 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-2-0459.1US

EXECUTED under seal on this 20th day of July,

2004 at King of Prussia, PA
(Place)

Witness:

[Signature]

[Signature] (L.S.)
Timothy A. Axness

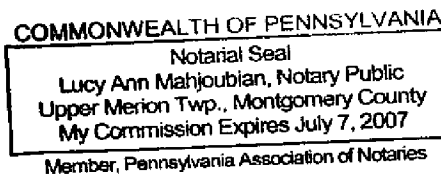
State of Pennsylvania
County of Montgomery ss. King of Prussia

On this 20th day of July, 2004 before me personally appeared Timothy A. Axness, 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.

[Signature]
Notary Public

My Commission Expires:



Atty. Docket No. I-2-0459.1US

EXECUTED under seal on this 22 day of July,2004 at Melville, NY
(Place)

Witness:

M. CataniaDonald M. Grieco (L.S.)
Donald M. GriecoState of New York

ss.

County of Suffolk

On this 22nd day of July, 2004 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.

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