Electronic Version v1.1 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
Kevin Peter Johnson	02/22/2005
Ross L. Lintelman	05/26/2005
Michael James Lynch	02/25/2005
Gregg Arthur Charlton	02/22/2005
Carl Wang	03/02/2005
Kambiz Casey Zangi	04/14/2005

RECEIVING PARTY DATA

Name:	INTERDIGITAL TECHNOLOGY CORPORATION
Street Address:	300 DELAWARE AVENUE
Internal Address:	SUITE 527
City:	WILMINGTON
State/Country:	DELAWARE
Postal Code:	19801

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	10997618

CORRESPONDENCE DATA

Fax Number: (215)568-6499

Correspondence will be sent via US Mail when the fax attempt is unsuccessful.

Phone: 2155686400

Email: jhalt@volpe-koenig.com VOLPE AND KOENIG, P.C. Correspondent Name:

30 SOUTH 17th STREET, SUITE 1600 Address Line 1:

Address Line 2: Gerald B. Halt, Jr.

Address Line 4: PHILADELPHIA, PENNSYLVANIA 19103

NAME OF SUBMITTER: Gerald B. Halt, Jr.

PATENT

500044085 **REEL: 016373 FRAME: 0198**

Total Attachments: 7 source=0677-EXECUTED ASSIGNMENT#page1.tif source=0677-EXECUTED ASSIGNMENT#page2.tif source=0677-EXECUTED ASSIGNMENT#page3.tif source=0677-EXECUTED ASSIGNMENT#page4.tif source=0677-EXECUTED ASSIGNMENT#page5.tif source=0677-EXECUTED ASSIGNMENT#page6.tif

source=0677-EXECUTED ASSIGNMENT#page7.tif

PATENT REEL: 016373 FRAME: 0199

ASSIGNMENT

Kevin Peter Johnson, residing at 605 Pinehurst Circle NE, Palm Bay, Florida, 32905, a citizen of the United States of America; Ross L. Lintelman, residing at 141 Coral Way E., Indialantic, Florida, 32903, a citizen of the United States of America; Michael James Lynch, residing at 4195 Richwood Court, Merritt Island, Florida, 32952, a citizen of the United States of America; Gregg Arthur Charlton, residing at 14 Wynnewood Drive, Collegeville, Pennsylvania, 19426, a citizen of the United States of America; Carl Wang, residing at 130-18 58th Road, Flushing, New York, 11355, a citizen of the United States of America; and Kambiz Casey Zangi, residing at 611 Rock Creek Road, Chapel Hill, North Carolina, 27514, 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 UTILIZING A DIRECTIONAL BEAM ANTENNA IN A WIRELESS TRANSMIT/RECEIVE UNIT for which the undersigned have executed an application for United States Letters Patent, U.S. Patent Application No. 10/997,618, filed November 24, 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

1 of 7

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 22	day of February,
200 <u>Sat</u> <u>Melboure</u> , Floride. (Place)	·
Witness:	
James Cotto State of Florila	Kevin Peter Johnson (L.S.) Kevin Peter Johnson
State of Florila	
County of On this On this On this On this On this On the known to be executed the foregoing instrument, and acknowingly and willingly and for the purposes	the person described herein and who knowledged that he executed the same
	the day and year immediately above
written. My Commission Expires: 05-03-05	Let be & Renne
My Commission Expires: OS COS -ON	
	KATHLEEN K, RENYO

PATENT REEL: 016373 FRAME: 0201

EXECUTED under seal on this 26 day of May, 2005 at Melbourne 763270 / (Place)
Witness: Woss L. Lintelman (L.S.)
State of Flavele ss. County of Brevoid
On this <u>Jb</u> day of <u>, 2005</u> before me personally appeared Ross L. Lintelman, 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: KATHLEEN K. RENYO

(407) 398-0153

MY COMMISSION # DD424784 EXPIRES: May 3, 2009

Florida Notary Service.com

Atty. Docket No. 1-2-0677.1US	
EXECUTED under seal on this 25	lay of FEB,
200 <u>S</u> at <u>MELBOURNE</u> , <u>FL</u> (Place)	·
Witness:	
Tich fela Kifts	Michael James Lynch (L.S.)
State of	
ss.	
County of	
On this 15 day of Lea	_, 200 <u>\</u> before me personally appeared
Michael James Lynch to me known to be	
executed the foregoing instrument, and ack	nowledged 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.	Kackleer L. Lenyd
My Commission Expires: 05-03-05	Notary Public
wy Commission Expires: 00 00	

4 of 7

KATHLEEN K. RENYO MY COMMISSION # DD 022683 EXPIRES: May 3, 2005 Bonded Thru Notary Public Underwriters

Atty. Docket No. 1-2-0677.1US	
EXECUTED under seal on this 22' 2005 at King of Prusica, Ph	
Witness:	Dragg A. Charlet (L.S.) Gregg Arthur Charlton
State of Rennsylvania ss. County of Montgomery On this 22 nd day of February	رسے, 200 <u>5</u> before me personally appeared
	<u> </u>

Gregg Arthur Charlton, 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.

Lucy an Mahjaulean Notary Public

My Commission Expires:

COMMONWEALTH OF PENNSYLVANIA

Notarial Seal Lucy Ann Mahjoubian, Notary Public Upper Merion Twp., Montgomery County My Commission Expires July 7, 2007

Member, Pennsylvania Association of Notaries

EXECUTED under seal on this 2 day of March,
200_5 at Melville, Ny (Place)
Witness: Matama Carl Wang (L.S.)
State of New York ss.
County of Suffolk On this 2nd day of March, 2005 before me personally appeared
Carl Wang, 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: Laura J. Commisso Notary Public, State of New York No. 01CO6004541 Qualified in Nassau County Commission expires May 13, 2006

6 of 7

Atty. Docket No. 1-2-0677.1US
EXECUTED under seal on this $\frac{1446}{\text{day of}}$ day of $\frac{\text{Apr.}}{\text{day of}}$,
200 5 at 4 Park Drin RTA NC 27709 (Place)
(Place)
Witness:
Kamin (any 3m/ (L.S.)
Kambiz Casey Zang
State of State of
County of
On this 14th day of April , 2005 before me personally appeared
Kambiz Casey Zangi, 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: April 6, 2008
OFFICIAL SEAL DANIEL CLUKEY NOTARY PUBLIC-NORTH CAROLINA
My Country OF WAKE
65555555555

7 of 7

PATENT REEL: 016373 FRAME: 0206