

Atty. Docket No. I-2-0232.1US

FORM PTO-1619A
Expires 06/30/99
OMB 0651-0027U.S. Department of Commerce
Patent and Trademark Office
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Conveyance Type

- ☒ Assignment ☐ Security Agreement
- ☐ License ☐ Change of Name
- ☐ Merger ☐ Other
- U.S. Government**
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- ☐ Departmental File ☐ Secret File

Conveying Party(ies)☒ Mark if additional names of conveying parties attached Execution Date
Month Day Year

Name (line 1) SHIN, SUNG-HYUK

09232002

Name (line 2)

Second Party

Name (line 1) OZLUTURK, FATIH

Execution Date
Month Day Year

09232002

Name (line 2)

Receiving Party☐ Mark if additional names of receiving parties attached

Name (line 1) INTERDIGITAL TECHNOLOGY CORPORATION

Name (line 2)

Address (line 1) 300 DELAWARE AVENUE, SUITE 527

Address (line 2)

Address (line 3) WILMINGTON

DE

19801

City

State/Country

Zip Code

☐ If document to be recorded is an assignment and the receiving party is not domiciled in the United States, an appointment of a domestic representative is attached. (Designation must be a separate document from Assignment.)

Domestic Representative Name and Address

Enter for the first Receiving Party only.

Name

Address (line 1)

Address (line 2)

Address (line 3)

Address (line 4)

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PATENT

700022347

REEL: 013346 FRAME: 0979

FORM PTO-1619B

Expires 06/30/99
OMB 0651-0027

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U.S. Department of Commerce
Patent and Trademark Office
PATENT**Correspondent Name and Address**

Area Code and Telephone Number

(215) 568-6400

Name JEFFREY M. GLABICKI

Address (line 1) VOLPE AND KOENIG, P.C.

Address (line 2) SUITE 400, ONE PENN CENTER

Address (line 3) 1617 JOHN F. KENNEDY BOULEVARD

Address (line 4) PHILADELPHIA, PA 19103

PagesEnter the total number of pages of the attached conveyance document
including any attachments.

8

Application Number(s) or Patent Number(s)☐ Mark if additional numbers attached

Enter either the Patent Application Number or the Patent Number (DO NOT ENTER BOTH numbers for the same property).

Patent Application Number(s)

10/266,882

Patent Number(s)If this document is being filed together with a new Patent Application, enter the date the patent application was
signed by the first named executing inventor.

Month Day Year

Patent Cooperation Treaty (PCT)

Enter PCT application number

PCT

PCT

PCT

only if a U.S. Application Number
has not been assigned.

PCT

PCT

PCT

Number of Properties

Enter the total number of properties involved.

1

Fee Amount

Fee Amount for Properties Listed (37 CFR 3.41): \$

40.00

Method of Payment:
Deposit AccountEnclosed ☐Deposit Account ☒

(Enter for payment by deposit account or if additional fees can be charged to the account.)

InterDigital Patent Corporation's Deposit Account Number:

09-0435

Authorization to charge additional fees:

Yes ☒No ☐**Statement and Signature**

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. Charges to deposit account are authorized, as
indicated herein.

Jeffrey M. Glabicki

Name of Person Signing

Reg. No. 42,584

Signature

Date

PATENT

REEL: 013346 FRAME: 0980

FORM PTO-1619C

Expires 06/30/99
OMB 0651-0027**RECORDATION FORM COVER SHEET
CONTINUATION
PATENTS ONLY**U.S. Department of Commerce
Patent and Trademark Office
PATENT**Conveying Party(ies)**☐ Mark if additional names of conveying parties attached

Enter additional Conveying Parties

Name (line 1) ZEIRA, ARIELA

Execution Date
Month Day Year

10012002

Name (line 2)

Execution Date
Month Day Year

09232002

Name (line 1) KOO, CHANG-SOO

Name (line 2)

Execution Date
Month Day Year

Name (line 1)

Name (line 2)

Receiving Party(ies)☐ Mark if additional names of receiving parties attached

Enter additional Receiving Party(ies)

Name (line 1)

Name (line 2)

Address (line 1)

Address (line 2)

Address (line 3)

City

State/Country

Zip Code

Name (line 1)

Name (line 2)

Address (line 1)

Address (line 2)

Address (line 3)

City

State/Country

Zip Code

☐ If document to be recorded is an assignment and the receiving party is not domiciled in the United States, an appointment of a domestic representative is attached. (Designation must be a separate document from Assignment.)☐ If document to be recorded is an assignment and the receiving party is not domiciled in the United States, an appointment of a domestic representative is attached. (Designation must be a separate document from Assignment.)**Application Number(s) or Patent Number(s)**☐ Mark if additional numbers attached

Enter either the Patent Application Number or the Patent Number (DO NOT ENTER BOTH numbers for the same property).

Patent Application Number(s)**Patent Number(s)**

Attorney's Docket No. I-2-0232.1US

ASSIGNMENT

Sung-Hyuk Shin, residing at 1531 8th Street, Fort Lee, NJ 07024, a citizen of the United States of America; Fatih Ozluturk, residing at 70 Willowdale Avenue, Port Washington, NY 11050, a citizen of Turkey; Ariela Zeira, residing at 239 West Neck Road, Huntington, NY 11743, a citizen of the United States of America; and Chang-Soo Koo, residing at 15 Zoranne Drive, East Northport, NY 11731, a citizen of the United States of America, (hereafter jointly and severally referred to as the undersigned), are the inventors of PATHLOSS AIDED CLOSED LOOP POWER CONTROL for which the undersigned have executed an application for United States Letters Patent, U.S. Patent Application No. 10/266,882, filed 10/7/2002, 2002.

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 corporation organized and existing under the laws of the State of Delaware and having its principal place of business at 300 Delaware Avenue, Suite 527, Wilmington, Delaware, (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, does 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 thereof, throughout the world, including the right to claim priority under the Paris Convention.

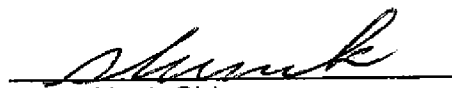
It is agreed that the undersigned shall be legally bound, upon request of the assignee, to supply all information and evidence relating to the making and practice of said invention, to testify in any legal proceeding relating thereto, to execute all instruments proper to patent the invention throughout 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 23 day of September, 2002.

Witness:



 (L.S.)
Sung-Hyuk Shin

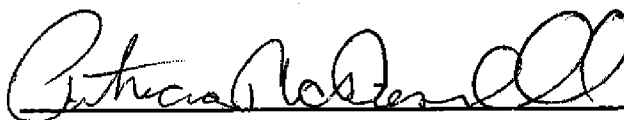
State of New York

ss. Melville

County of Suffolk

On this 23 day of September, 2002, 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.

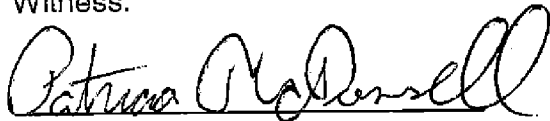

Notary Public

My Commission Expires:

PATRICIA MCDONNELL
NOTARY PUBLIC, STATE OF NEW YORK
No. 5007034
QUALIFIED IN SUFFOLK COUNTY
TERM EXPIRES 1/19/03

EXECUTED under seal on this 23 day of September, 2002.

Witness:

 (L.S.)
Fatih Ozluturk

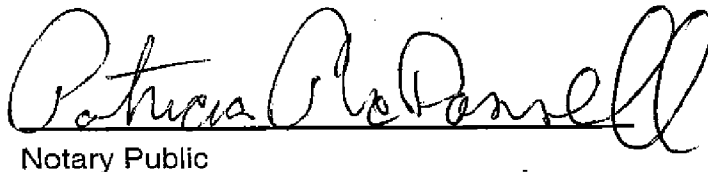
State of New York

ss. Melville

County of Suffolk

On this 23 day of September, 2002, before me personally appeared Fatih Ozluturk, 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:

PATRICIA MCDONNELL
NOTARY PUBLIC, STATE OF NEW YORK
No. 5007034
QUALIFIED IN SUFFOLK COUNTY
TERM EXPIRES 1/19/03

EXECUTED under seal on this 15th day of ~~September~~^{October}, 2002.

Witness:

Patricia McDonnell

A. Zeira (L.S.)
Ariela Zeira

State of New York

ss. Melville

County of Suffolk

On this 15th day of ~~September~~^{October}, 2002, before me personally appeared Ariela Zeira, 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.

Patricia McDonnell
Notary Public

My Commission Expires:

PATRICIA MCDONNELL
NOTARY PUBLIC, STATE OF NEW YORK
No. 5007034
QUALIFIED IN SUFFOLK COUNTY
TERM EXPIRES 1/19/03

EXECUTED under seal on this 23 day of September, 2002.

Witness:

Patricia McDonnell

Chang-Soo Koo (L.S.)
Chang-Soo Koo

State of New York

ss. Melville

County of Suffolk

On this 23 day of September, 2002, before me personally appeared Chang-Soo Koo, 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.

Patricia McDonnell

Notary Public

My Commission Expires:

PATRICIA MCDONNELL
NOTARY PUBLIC, STATE OF NEW YORK
No. 5007034
QUALIFIED IN SUFFOLK COUNTY
TERM EXPIRES 1/19/03