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1. Name of conveying party(ies):

**Leland Chang, Robert H. Dennard, David M. Fried
and Wing Kin Luk**

Additional name(s) of conveying party(ies) attached?

☐ Yes ☒ No

3. Nature of conveyance:

☒ Assignment ☐ Merger
☐ Security Agreement ☐ Change of Name
☐ Other

Execution Date(s): **October 28, 2005**

2. Name and address of receiving party(ies)

Name: **International Business Machines Corporation**

Internal Address:

Street Address: **New Orchard Road**City: **Armonk** State: **NY** ZIP: **10504**Additional name(s) & address(es) attached? ☐ Yes ☒ No

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)

11/334,170

B. Patent No.(s)

Additional numbers attached? ☐ Yes ☒ No

5. Name and address of party to whom correspondence concerning document should be mailed:

Name: **Wayne L. Ellenbogen**Internal Address: **Ryan, Mason & Lewis, LLP**Street Address: **90 Forest Avenue**City: **Locust Valley** State: **NY** ZIP: **11560**6. Total number of applications and patents involved: 17. Total Fee (37 CFR 3.41)..... **\$ 40.00**☐ Enclosed☒ Authorized to be charged to deposit account8. Deposit account number **50-0510**

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9. Statement and signature.

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Wayne L. Ellenbogen

Reg. No. 43,602


Signature

February 6, 2006

Date

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YOR920050230US1

700241862

PATENT
REEL: 017277 FRAME: 0468

CH \$40.00 500510 11334170

Attorney Docket No. YOR920050230US1**ASSIGNMENT**

Whereas, we

Inventor
and City(1) **Leland Chang**
County of New Yorkof New York
and State of New York(2) **Robert H. Dennard**
County of Westchesterof Croton-on-Hudson
and State of New York(3) **David M. Fried**
County of Putnamof Brewster
and State of New Yorkand (4) **Wing Kin Luk**
County of Westchesterof Chappaqua
and State of New York

have invented certain improvements in

TITLE

**AREA-EFFICIENT GATED DIODE STRUCTURE AND METHOD OF FORMING
SAME**

and executed a United States patent application therefor on

DATE THAT
INVENTORS
SIGNED THE
DECLARATION(1) 10-28 2005 (2) 10-28 2005 (3) _____ 2005 and (4) 10-28 2005.

Whereas, INTERNATIONAL BUSINESS MACHINES CORPORATION, a corporation of New York, having a place of business at New Orchard Road, Armonk, New York 10504, (hereinafter called IBM) desires to acquire the entire right, title and interest in the said application and invention, and to any United States and foreign patents to be obtained therefor;

Now therefore, for a valuable consideration, receipt whereof is hereby acknowledged, we the above named, hereby sell, assign, and transfer to IBM, its successors and assigns, the entire right, title and interest in the said application and invention therein disclosed for the United States and foreign countries, and all rights of priority resulting from the filing of said United States applications and we request the Commissioner of Patents to issue any Letters Patent granted upon the inventions set forth in said application to IBM, its successors and assigns; and we hereby agree that IBM may apply for foreign Letters Patent on said invention and we will execute all papers necessary in connection with the United States and foreign applications when called upon to do so by IBM.

Page 1 of 2

PATENT
REEL: 017277 FRAME: 0469

Attorney Docket No. YOR920050230US1

CITY
DATE

Signed
(1) at ^{Yorktown Heights} NY
on 10-28 2005,

Leland Chang SIGNATURE
(Leland Chang) INVENTOR
FIRST NAME MIDDLE INITIAL LAST NAME

CITY
DATE

Signed
(2) at ^{Yorktown Heights} NY
on 10-28 2005,

Robert H. Dennard SIGNATURE
(Robert H. Dennard) INVENTOR
FIRST NAME MIDDLE INITIAL LAST NAME

CITY and
DATE

Signed
(3) at _____, NY
on _____ 2005,

(David M. Fried) INVENTOR
FIRST NAME MIDDLE INITIAL LAST NAME

CITY
DATE

Signed
(4) at ^{Yorktown Heights} NY
on 10-28 2005,

Wing Kin Luk SIGNATURE
(Wing Kin Luk) INVENTOR
FIRST NAME MIDDLE INITIAL LAST NAME

Ryan, Mason & Lewis, LLP
90 Forest Avenue
Locust Valley, New York 11560
(516) 759-2722

Attorney Docket No. YOR920050230US1**ASSIGNMENT**

Whereas, we

Inventor
and City(1) **Leland Chang**
County of New Yorkof New York
and State of New York(2) **Robert H. Dennard**
County of Westchesterof Croton-on-Hudson
and State of New York(3) **David M. Fried**
County of Putnamof Brewster
and State of New Yorkand (4) **Wing Kin Luk**
County of Westchesterof Chappaqua
and State of New York

have invented certain improvements in

TITLE

**AREA-EFFICIENT GATED DIODE STRUCTURE AND METHOD OF FORMING
SAME**

and executed a United States patent application therefor on

DATE THAT (1) _____ 2005 (2) _____ 2005 (3) 28 October 2005 and (4) _____ 2005.
INVENTORS
SIGNED THE
DECLARATION

Whereas, INTERNATIONAL BUSINESS MACHINES CORPORATION, a corporation of New York, having a place of business at New Orchard Road, Armonk, New York 10504, (hereinafter called IBM) desires to acquire the entire right, title and interest in the said application and invention, and to any United States and foreign patents to be obtained therefor;

Now therefore, for a valuable consideration, receipt whereof is hereby acknowledged, we the above named, hereby sell, assign, and transfer to IBM, its successors and assigns, the entire right, title and interest in the said application and invention therein disclosed for the United States and foreign countries, and all rights of priority resulting from the filing of said United States application; and we request the Commissioner of Patents to issue any Letters Patent granted upon the inventions set forth in said application to IBM, its successors and assigns; and we hereby agree that IBM may apply for foreign Letters Patent on said invention and we will execute all papers necessary in connection with the United States and foreign applications when called upon to do so by IBM.

Page 1 of 2

PATENT
REEL: 017277 FRAME: 0471

Attorney Docket No. YOR920050230US1

CITY
DATE

Signed
(1) at _____, NY
on _____ 2005,

SIGNATURE

(Leland Chang) INVENTOR
FIRST NAME MIDDLE INITIAL LAST NAME

CITY
DATE

Signed
(2) at _____, NY
on _____ 2005,

SIGNATURE

(Robert H. Dennard) INVENTOR
FIRST NAME MIDDLE INITIAL LAST NAME

CITY and
DATE

Signed
(3) at fishkill, NY
on 23 October 2005,


SIGNATURE

(David M. Fried) INVENTOR
FIRST NAME MIDDLE INITIAL LAST NAME

CITY
DATE

Signed
(4) at _____, NY
on _____ 2005,

SIGNATURE

(Wing Kin Luk) INVENTOR
FIRST NAME MIDDLE INITIAL LAST NAME

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