

01-21-2003

ty. Docket No. **FIS920020117US1**



COVER SHEET

To the Honorable Commiss
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Please record the attached original documents or

1. Name of Conveying party(ies): **Gary B. Bronner, Ramachandra Divakaruni, Byeong Kim, Jack A. Mandelman**

3. Nature of Conveyance: **Assignment**

Execution Date: **12/16/02, 12/16/02, 01/09/03, 12/16/02.**

2. Name & address of receiving party(ies)

Name: **International Business Machines Corporation**

Street

Address: **New Orchard Road**

City: **Armonk** State: **New York** ZIP: **10504**

4. Application number(s) or patent number(s):

Title of Application: **DRAM HAVING OFFSET VERTICAL TRANSISTORS AND METHOD**

If this document is being filed together with a new application, the execution date of the application is: **12/16/02, 12/16/02, 01/09/03, 12/16/02.**

A. Patent Application No(s).
Docket No.
Serial No.

B. Patent No(s)

Additional numbers attached? ☐ Yes ☒ No

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

Name: **Daryl K. Neff**

Street Address:

**IBM Corporation
Intellectual Property Law Dept.
Dept. 18G/Bldg. 300-482
2070 Route 52
Hopewell Junction, NY 12533-6531**

6. Total number of applications and patents involved: **1**

7. Total fee (37 CFR 3.41): \$40.00

☐ Enclosed

☒ Authorized to be charged to deposit account

8. Deposit A/C no.: **09-0458 (FI-036)**
(Attach duplicate copy of this page if paying by deposit account)

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9. Statement of 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.

Daryl K. Neff, Reg. No. 38,253

Name of Person Signing

Telephone No. (914) 894-3664

Signature

Date

Total number of pages, including cover sheet, attachments, and document **5**

Express Mail No. EU702259401US

I hereby certify that this correspondence is being deposited with the United States Postal Service as Express Mail in an envelope addressed to: UNITED STATES PATENT & TRADEMARK OFFICE, PO BOX 2327, ARLINGTON, VA 22202. Applicant and/or Attorney requests the date of deposit as the filing date.

January 14, 2003

DATE OF DEPOSIT

KAREN CING-MARS

SIGNATURE AND DATE

PATENT
REEL: 013665 FRAME: 0094

ASSIGNMENT

WHEREAS, we

(1) Gary B. Bronner County of Dutchess and	of Stormville State of New York
(2) Ramachandra Divakaruni County of Westchester and	of Ossining State of New York
(3) Byeong Kim County of Dutchess and	of LaGrangeville State of New York
(4) Jack A. Mandelman County of Henderson	of Flat Rock State of North Carolina

have invented certain improvements in

DRAM HAVING OFFSET VERTICAL TRANSISTORS AND METHOD

and executed a United States patent application therefor on:
(dates that Inventors signed the declaration)

(1) Dec 16, 2002 and (2) Dec. 16, 2002 and (3) 1/9/2002, ~~2002~~ and
(4) _____, 2002.

Whereas, INTERNATIONAL BUSINESS MACHINES CORPORATION, a corporation of New York, having a place of business at 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, I, 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 the 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 I request the Commissioner of Patents to issue any Letters Patent granted upon the invention set forth in said application to IBM, its successors and assigns; and I hereby agree that IBM may apply for foreign Letters Patent on said invention and I will execute all papers necessary in connection with the United States and foreign applications when called upon to do so by IBM.

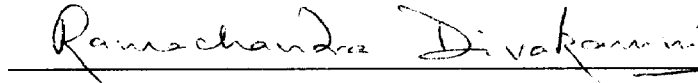
Signed

(1) at East Fishkill, NY
on Dec 16, 2002,
and



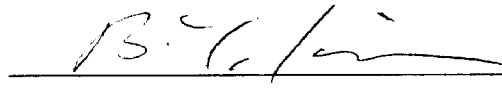
Gary B. Bronner

(2) at East Fishkill, NY
on Dec 16, 2002,



Ramachandra Divakaruni

(3) at East Fishkill, NY
on 1/9, 2002,
2003



Byeong Kim

(4) at Flat Rock, NC
on _____, 2002,

Jack A. Mandelman

ASSIGNMENT

WHEREAS, we

(1)	Gary B. Bronner	of Stormville
	County of Dutchess	State of New York
	and	
(2)	Ramachandra Divakaruni	of Ossining
	County of Westchester	State of New York
	and	
(3)	Byeong Kim	of LaGrangeville
	County of Dutchess	State of New York
	and	
(4)	Jack A. Mandelman	of Flat Rock
	County of Henderson	State of North Carolina

have invented certain improvements in

DRAM HAVING OFFSET VERTICAL TRANSISTORS AND METHOD

and executed a United States patent application therefor on:
(dates that Inventors signed the declaration)

(1) _____, 2002 and (2) _____, 2002 and (3) _____, 2002 and
(4) DEC 16, 2002.

Whereas, INTERNATIONAL BUSINESS MACHINES CORPORATION, a corporation of New York, having a place of business at 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, I, 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 the 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 I request the Commissioner of Patents to issue any Letters Patent granted upon the invention set forth in said application to IBM, its successors and assigns; and I hereby agree that IBM may apply for foreign Letters Patent on said invention and I will execute all papers necessary in connection with the United States and foreign applications when called upon to do so by IBM.

Signed

(1) at East Fishkill, NY
on _____, 2002,
and

Gary B. Bronner

(2) at East Fishkill, NY
on _____, 2002,

Ramachandra Divakaruni

(3) at East Fishkill, NY
on _____, 2002,

Byeong Kim

(4) at Flat Rock, NC
on DEC 16, 2002,

Jack A. Mandelman
Jack A. Mandelman