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To the Honorable Commissioner copy thereof.

102338639

l. Name of Conveying party(ies): Ramachandra Divakaruni, Thomas W. Dyer	
Nature of Conveyance: Assignment	2. Name & address of receiving party(ies) Name: International Business
Execution Date: 12/16/02, 12/16/02.	Machines Corporation Street Address: New Orchard Road
	City: Armonk State: New York ZIP: 10504
. Application number(s) or patent number(s)):
Title of Application: INVERTED BURIED STI	RAP STRUCTURE AND METHOD FOR VERTICAL TRANSIST
If this document is being filed together application is: 12/16/02.	with a new application, the execution date of the
A. Patent Application No(s). Docket No. Serial No.	B. Patent No(s)
Additional numbers	s attached?Yes _X_No
. Name and address of party to whom correspondence concerning document should be mailed:	6. Total number of applications and patents involved:1_
Name: Daryl K. Neff Street Address: IBM Corporation	7. Total fee (37 CFR 3.41): \$40.00 Enclosed _X Authorized to be charged to deposit account
Intellectual Property Law Dept. Dept. 18G/Bldg. 300-482 2070 Route 52 Hopewell Junction, NY 12533-6531	8. Deposit A/C no.: 09-0458 (FI-007) (Attach duplicate copy of this page if paying by deposit account)
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To the best of my knowledge and belief attached copy is a true copy of the original	the foregoing information is true and correct and inal mocument.

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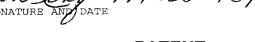
Name of Person Signing Telephone No. (845) 894-2580

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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 3, 2003 DATE OF DEPOSIT

KAREN CINQ-MARS



Total number of pages, including cover sheet, attachments, and document _2_

PATENT REEL: 013649 FRAME: 0772

ASSIGNMENT

WHEREAS, we

Ramachandra Divakaruni **(1)** of Ossining

County of Westchester State of New York

and

of Pleasant Valley (2)Thomas W. Dyer County of Dutchess State of New York

have invented certain improvements in

INVERTED BURIED STRAP STRUCTURE AND METHOD FOR VERTICAL TRANSISTOR DRAM

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

(1)
$$\frac{12|16|02}{2}$$
, 2002 and (2) $\frac{12|16|02}{2}$, 2002.

INTERNATIONAL BUSINESS MACHINES CORPORATION, a Whereas. 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

Ramachanda Divakaruni
Ramachandra Divakaruni

(2) at East Fishkill, NY on 12/16,2002,

RECORDED: 01/03/2003

REEL: 013649 FRAME: 0773