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OMB No. 0651-0027 (exp. 5/31/2002)

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To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.

1. Name of conveying party(ies): 3-11-02  
Dureseti Chidambarao  
  
Jack A. Mandelman  
  
Additional name(s) of conveying party(ies) attached?  Yes  No

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

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10/096219  
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3. Nature of conveyance:  
 Assignment  Merger  
 Security Agreement  Change of Name  
 Other \_\_\_\_\_  
  
Execution Date: 03/06/2002; 03/06/2002

4. Application number(s) or patent number(s): 10/096219  
If this document is being filed together with a new application, the execution date of the application is: 03/06/2002  
A. Patent Application No.(s) \_\_\_\_\_  
B. Patent No.(s) \_\_\_\_\_  
  
Additional numbers attached?  Yes  No

5. Name and address of party to whom correspondence concerning document should be mailed:  
Name: H. Daniel Schnurmann  
  
Internal Address: \_\_\_\_\_  
IP Law Department / Bldg. 300 / 482  
International Business Machines Corporation  
  
Street Address: 2070 Route 52  
  
City: Hopewell Junction State: NY Zip: 12533

6. Total number of applications and patents involved: 1  
  
7. Total fee (37 CFR 3.41).....\$ 40.  
 Enclosed  
 Authorized to be charged to deposit account  
  
8. Deposit account number:  
09-0458 FI-081

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9. Signature H. Daniel Schnurmann  
  
H. Daniel Schnurmann, Reg.No. 35,791  
Name of Person Signing H. Daniel Schnurmann Signature March 11, 2002 Date

Total number of pages including cover sheet, attachments, and documents: 4

Mail documents to be recorded with required cover sheet information to:  
Commissioner of Patents & Trademarks, Box Assignments  
Washington, D.C. 20231

PATENT  
REEL: 012718 FRAME: 0522

## ASSIGNMENT

WHEREAS, we

- (1) Dureseti Chidambarrao of Weston  
County of Fairfield State of Connecticut  
and
- (2) Jack A. Mandelman of Stormville  
County of Dutchess State of New York

have invented certain improvements in

### VERTICAL MOSFET WITH HORIZONTALLY GRADED CHANNEL DOPING

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

- (1) 03/06/02, and (2) 3/6/02

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

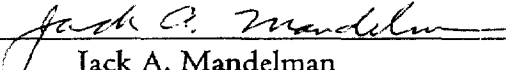
United States application, and I request the Commissioner of Patents to issue any Letters Patent granted upon the invention set forth in said application to IBM, its successors and assigns; and I hereby agree that IBM may apply for foreign Letters Patent on said invention and I will execute all papers 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 03/06/02,  
and

  
Dureseti Chidambarao

(2) at East Fishkill, NY  
on 3-6-02,

  
Jack A. Mandelman