

01-26-1999

RECO



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To the Honorable Commissioner of Patents  
copy thereof

The attached original document is a

1. Name of conveying party(ies): **Scott W. Crowder, Anthony G. Domenicucci, Liank-Kai Fan, Michael J. Hargrove, Paul A. Ronsheim**

3. Nature of conveyance: **Assignment**

Execution date:  
12/30/98, 11/24/98, 11/25/98  
12/04/98, 11/25/98

2. Name & address of receiving party(ies):

Name: **International Business Machines Corporation**  
Street  
Address: **New Orchard Road**  
City: **Armonk** State: **New York** ZIP: **10504**

10551 U.S. PTO  
09/23/1617  
01/14/99

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

Title of Application: **METHOD FOR FABRICATING DIFFERENT GATE OXIDE THICKNESSES WITHIN THE SAME CHIP**

If this document is being filed together with a new application, the execution date of the application is: **12/30/98, 11/24/98, 11/25/98, 12/04/98, 11/25/98**

A. Patent Application No(s).  
Docket No. **FI9-98-171**  
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: **Joseph P. Abate**  
Street address:  
**IBM Corporation**  
**Intellectual Property Law Dept.**  
**Dept. 18G/Bldg. 300-482**  
**1580 Route 52**  
**Hopewell Junction, NY 12533-6531**

6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 3.4) : **40.00**  
 Enclosed  
 Authorized to be charged to deposit account

8. Deposit A/C no.: **09-0458 (FI-033)**  
(Attach duplicate copy of this page if paying by deposit account)

01/25/1999 SBURKS 0000066 090458 09231617  
01 FC:581 40.00 CH

9. Statement of signature:

To the best of my knowledge and belief, the foregoing information is true and correct and an attached copy is a true copy of the original document.

**Joseph P. Abate, Reg. No. 30,238**

Name of person signing  
Telephone No. (914) 394-4663

*Joseph P. Abate*  
Signature

1-14-99  
Date

Total number of pages, including cover sheet, attachment, and document 3

Express Mail No. **EI374493059US**

I hereby certify that this correspondence is being deposited with the United States Postal Service as Express Mail in an envelope addressed to: COMMISSIONER OF PATENTS AND TRADEMARKS, WASHINGTON, DC 20231. Applicant and/or Attorney requests the date of deposit at the following date:

January 14, 1999  
DATE OF DEPOSIT

*Joseph P. Abate* 1/14/99  
Fobirann Zeno SIGNATURE AND DATE

**PATENT**  
**REEL: 9708 FRAME: 0744**

Whereas We,

Scott W. Crowder  
County of Westchester

City of Ossining  
and State of New York

Anthony G. Domenicucci  
County of Ulster

City of Hopewell Junction  
and State of New York

Liang-Kai Han  
County of Dutchess

City of Fishkill  
and State of New York

Michael J. Hargrove  
County of Dutchess

City of Clinton Corners  
and State of New York

Paul A. Ronsheim  
County of Dutchess

City of Hopewell Junction  
and State of New York

have invented certain improvements in

**Method for Fabricating Different Gate Oxide Thicknesses within the Same Chip**

and have executed, respectively, a United States patent application therefor on

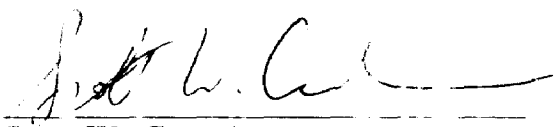


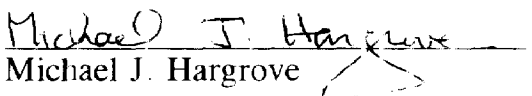
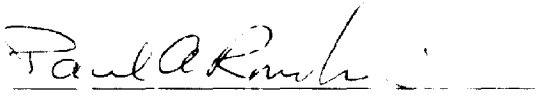
- (1) 12/30/98
- (2) 11/24/98
- (3) 1/25/98
- (4) 12/4/98
- (5) 11/25/98

And 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, 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 Letter Patent granted upon the invention 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.

SIGNED AND SEALED

- 1) at East Fishkill, NY  
on 12/30/98  
  
Scott W. Crowder
  
- 2) at East Fishkill, NY  
on 11/24/98  
  
Anthony G. Domenicucci
  
- 3) at East Fishkill, NY  
on 11/25/98  
  
Liang-Kai Han
  
- 4) at East Fishkill, NY  
on 12/4/98  
  
Michael J. Hargrove
  
- 5) at East Fishkill, NY  
on 11/25/98  
  
Paul A. Ronsheim