

FORM PTO-1595

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U.S. DEPARTMENT OF COMMERCE

Patent and Trademark Office

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

## 1. Name of conveying party(ies):

**Manjul Bhushan, Mark B. Ketchen,  
Chandrasekharan Kothandaraman and  
Edward P. Maciejewski**

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): **11/30/04, 11/30/04, 11/30/04, and  
12/1/04**

## 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)

B. Patent No.(s)

**11/037,612**Additional numbers attached? ☐ Yes ☒ No

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

Name: **Robert W. Griffith**  
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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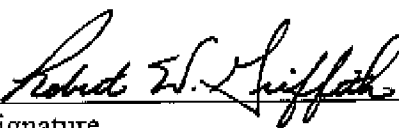
## 9. Statement and signature.

*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.*

Robert W. Griffith

Reg. No. 48,956

Signature


March 1, 2005

Date

Total number of pages including cover sheet, attachments, and document: 9

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YOR920040458US1

700157965

PATENT  
REEL: 015808 FRAME: 0677

CH \$40.00 500510 11037612

Attorney Docket No. YOR920040458US1

ASSIGNMENT

Whereas, we

Inventor and City	(1) Manjul Bhushan County of Dutchess	of Hopewell Junction and State of New York
	(2) Mark B. Ketchen County of Hampshire	of Hadley and State of Massachusetts
	(3) Chandrasekharan Kothandaraman County of Dutchess	of Hopewell Junction and State of New York
	and (4) Edward P. Maciejewski County of Dutchess	of Wappingers Falls and State of New York

have invented certain improvements in

TITLE        **METHODS AND APPARATUS FOR CHARACTERIZING ELECTRONIC FUSES  
USED TO PERSONALIZE AN INTEGRATED CIRCUIT**

and executed a United States patent application therefor on

DATE THAT    (1) Nov 30<sup>th</sup> 2004 (2) \_\_\_\_\_ 2004 (3) \_\_\_\_\_ 2004 and (4) \_\_\_\_\_ 2004.  
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.

Attorney Docket No. YOR920040458US1

CITY  
DATE

Signed  
(1) at Horseneck, NY  
on Nov 30<sup>th</sup> 2004,

M Bhushan  
(Manjul Bhushan ) INVENTOR  
FIRST NAME MIDDLE INITIAL LAST NAME

SIGNATURE

CITY  
DATE

Signed  
(2) at \_\_\_\_\_, NY  
on \_\_\_\_\_ 2004,

(Mark B. Ketchen) INVENTOR  
FIRST NAME MIDDLE INITIAL LAST NAME

SIGNATURE

CITY  
DATE

Signed  
(3) at \_\_\_\_\_, NY  
on \_\_\_\_\_ 2004,

(Chandrasekharan Kothandaraman) INVENTOR  
FIRST NAME MIDDLE INITIAL LAST NAME

SIGNATURE

CITY and  
DATE

Signed  
(4) at \_\_\_\_\_, NY  
on \_\_\_\_\_ 2004,

(Edward P. Maciejewski) INVENTOR  
FIRST NAME MIDDLE INITIAL LAST NAME

SIGNATURE

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

Attorney Docket No. YOR920040458US1**ASSIGNMENT**

Whereas, we

Inventor  
and City(1) **Manjul Bhushan**  
County of Dutchessof Hopewell Junction  
and State of New York(2) **Mark B. Ketchen**  
County of Hampshireof Hadley  
and State of Massachusetts(3) **Chandrasekharan Kothandaraman**  
County of Dutchessof Hopewell Junction  
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Page 1 of 2

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DATE

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(1) at \_\_\_\_\_, NY  
on \_\_\_\_\_ 2004,

\_\_\_\_\_  
SIGNATURE

(Manjul Bhushan) INVENTOR  
FIRST NAME MIDDLE INITIAL LAST NAME

CITY  
DATE

Signed Hqts.  
(2) at Yorktown, NY  
on Nov 30 2004,

Mark B. Ketchen  
SIGNATURE

(Mark B. Ketchen) INVENTOR  
FIRST NAME MIDDLE INITIAL LAST NAME

CITY  
DATE

Signed  
(3) at \_\_\_\_\_, NY  
on \_\_\_\_\_ 2004,

\_\_\_\_\_  
SIGNATURE

(Chandrasekharan Kothandaraman) INVENTOR  
FIRST NAME MIDDLE INITIAL LAST NAME

CITY and  
DATE

Signed  
(4) at \_\_\_\_\_, NY  
on \_\_\_\_\_ 2004,

\_\_\_\_\_  
SIGNATURE

(Edward P. Maciejewski) INVENTOR  
FIRST NAME MIDDLE INITIAL LAST NAME

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

Page 2 of 2

Attorney Docket No. YOR920040458US1

ASSIGNMENT

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Signed  
CITY (1) at \_\_\_\_\_, NY \_\_\_\_\_ SIGNATURE  
DATE on \_\_\_\_\_ 2004, (Manjul Bhushan) INVENTOR  
FIRST NAME MIDDLE INITIAL LAST NAME

Signed  
CITY (2) at \_\_\_\_\_, NY \_\_\_\_\_ SIGNATURE  
DATE on \_\_\_\_\_ 2004, (Mark B. Ketchen) INVENTOR  
FIRST NAME MIDDLE INITIAL LAST NAME

Signed  
CITY (3) at Hempstead, NY \_\_\_\_\_ SIGNATURE  
DATE on Nov. 20th, 2004,  (Chandrasekhran Kothandaraman) INVENTOR  
FIRST NAME MIDDLE INITIAL LAST NAME

Signed  
CITY and (4) at \_\_\_\_\_, NY \_\_\_\_\_ SIGNATURE  
DATE on \_\_\_\_\_ 2004, (Edward P. Maciejewski) INVENTOR  
FIRST NAME MIDDLE INITIAL LAST NAME

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and State of Massachusetts(3) **Chandrasekharan Kothandaraman**  
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DATE                      (1) at                      , NY                      \_\_\_\_\_ SIGNATURE  
                                 on                      2004,                      (Manjul Bhushan ) INVENTOR  
                                                      FIRST NAME                      MIDDLE INITIAL                      LAST NAME

CITY                      Signed  
DATE                      (2) at                      , NY                      \_\_\_\_\_ SIGNATURE  
                                 on                      2004,                      (Mark B. Ketchen) INVENTOR  
                                                      FIRST NAME                      MIDDLE INITIAL                      LAST NAME

CITY                      Signed  
DATE                      (3) at                      , NY                      \_\_\_\_\_ SIGNATURE  
                                 on                      2004,                      (Chandrasekharan Kothandaraman) INVENTOR  
                                                      FIRST NAME                      MIDDLE INITIAL                      LAST NAME

CITY and                      Signed  
DATE                      (4) at East Fiskill, NY                      \_\_\_\_\_ SIGNATURE  
                                 on December 1, 2004,                      (Edward P. Maciejewski) INVENTOR  
                                                      FIRST NAME                      MIDDLE INITIAL                      LAST NAME

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