

Docket No.: YOR920050167US1 (18779)

FORM PTO-1595 (Modified)  
(Rev. 03-01)  
OMB No. 0651-0027 (exp.5/31/2002)  
P08A/REV03

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

If this document is being filed together with a new application, the execution date of the application is: \_\_\_\_\_

Patent Application No.	Filing date	B. Patent No.(s)
11/111,592	April 21, 2005	

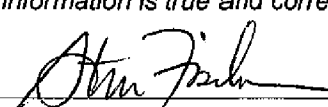
Additional numbers  Yes  No

<p>5. Name and address of party to whom correspondence concerning document should be mailed:</p> <p>Name: <b>Steven Fischman, Esq.</b></p> <p>Registration No. <b>34,594</b></p> <p>Address: <b>400 Garden City Plaza</b></p> <p><b>Suite 300</b></p> <p>City: <b>Garden City</b> State/Prov.: <b>NY</b></p> <p>Country: <b>USA</b> ZIP: <b>11530</b></p>	<p>6. Total number of applications and patents involved: <b>1</b></p> <p>7. Total fee (37 CFR 3.41):.....\$ <b>40.00</b></p> <p><input type="checkbox"/> Enclosed - Any excess or insufficiency should be credited or debited to deposit account</p> <p><input checked="" type="checkbox"/> Authorized to be charged to deposit account</p> <p>8. Deposit account number: <b>50-0510/IBM</b></p> <p>(Attach duplicate copy of this page if paying by deposit account)</p>
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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.*

**Steven Fischman, Esq.**  **May 27, 2005**

Name of Person Signing Signature Date

Total number of pages including cover sheet, attachments, and document: **7**

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PATENT

REEL: 016285 FRAME: 0396

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CH \$40.00 500510 11111592

<u>Name of Conveying Party(ies)</u>	<u>Execution Date</u>
Eduard A. Cartier	April 13, 2005
Matthew W. Copel	April 13, 2005
Bruce B. Doris	April 13, 2005
Rajaroo Jammy	April 13, 2005
Young-Hee Kim	April 13, 2005
Barry P. Linder	April 13, 2005
Vijay Narayanan	April 13, 2005
Vamsi K. Paruchuri	April 13, 2005
Keith Kwong Hon Wong	April 13, 2005

IBM Docket No.: YOR920050167US1  
SSMP: 18779

# ASSIGNMENT

Whereas, we

Inventor and City	(1) Eduard A. Cartier County of New York	City of New York and State of New York
and	(2) Matthew W. Copel County of Westchester	City of Yorktown Heights and State of New York
and	(3) Bruce B. Doris County of Putnam	City of Brewster and State of New York
and	(4) Rajarao Jammy County of Dutchess	City of Hopewell Junction and State of New York
and	(5) Young-Hee Kim County of Westchester	City of Yorktown Heights and State of New York
and	(6) Barry P. Linder County of Westchester	City of Hastings-on-Hudson and State of New York
and	(7) Vijay Narayanan County of New York	City of New York and State of New York
and	(8) Vamsi K. Paruchuri County of New York	City of New York and State of New York
and	(9) Keith Kwong Hon Wong County of Dutchess	City of Wappingers Falls and State of New York

have invented certain improvements in

Title **USING METAL/METAL NITRIDE BILAYERS AS GATE ELECTRODES IN SELF-ALIGNED  
AGGRESSIVELY SCALED CMOS DEVICES**

Dates That Inventors Signed the Declaration and have executed, respectively, a United States patent application therefor on

(1) 4/13/05	2005, and (2) 4/13/05	2005, and
(3) 4/13/05	2005, and (4) 4/13/05	2005, and
(5) 4/13/05	2005 and (6) 04/13/05	2005 and
(7) 4/13/05	2005 and (8) 4/13/05	2005 and
(9) 4/13/2005	2005.	

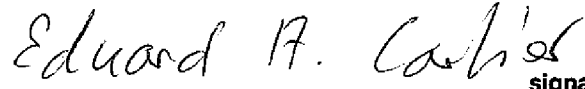
Whereas, INTERNATIONAL BUSINESS MACHINES CORPORATION, a corporation of New York, having a place of business at Armonk, New York 10504, (hereinafter called IBM), desires to acquire the entire right, title and interest in the said application and invention, and to any United States and foreign patents 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 Letters 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.

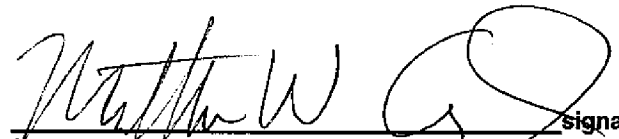
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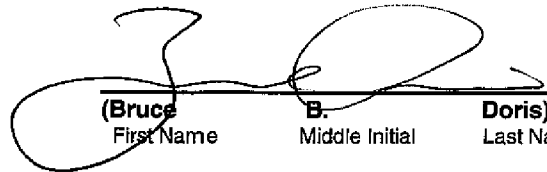
City Yorktown Heights (1) Signed at  
Date 4/13/05 on

  
signature  
(Edward A. Cartier) inventor  
First Name Middle Initial Last Name

City Yorktown Heights (2) Signed at  
Date 4/13/05 on

  
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(Matthew W. Copel) inventor  
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City Yorktown Heights (3) Signed at  
Date 4/13/05 on

  
signature  
(Bruce B. Doris) inventor  
First Name Middle Initial Last Name


City Yorktown Heights (4) Signed at  
Date 4/13/05 on

  
signature  
(Rajarao B. Jammy) inventor  
First Name Middle Initial Last Name

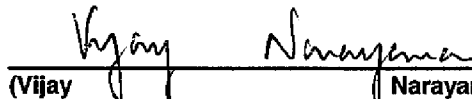
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signature  
(Young-Hee Kim) inventor  
First Name Middle Initial Last Name

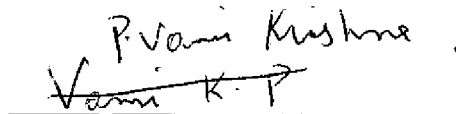
City Yorktown Heights (6) Signed at  
Date 04/13/05 on

  
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(Barry P. Linder) inventor  
First Name Middle Initial Last Name

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Date 04/13/05 on

  
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(Vijay Narayanan) inventor  
First Name Middle Initial Last Name

City Yorktown Heights (8) Signed at  
Date on 4/13/05

  
signature  
(Vamsi K. Paruchuri) inventor  
First Name Middle Initial Last Name

City (9) Signed at  
Date on

  
signature  
(Keith Kwong Hon Wong) inventor  
First Name Middle Initial Last Name

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SSMP: 18779

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City	(1) Signed at			
Date	on	_____ signature		
		(Eduard	A.	Cartier ) inventor
		First Name	Middle Initial	Last Name
City	(2) Signed at			
Date	on	_____ signature		
		(Matthew	W.	Copel ) inventor
		First Name	Middle Initial	Last Name
City	(3) Signed at			
Date	on	_____ signature		
		(Bruce	B.	Doris) inventor
		First Name	Middle Initial	Last Name
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Date	on	_____ signature		
		(Rajaroo		Jammy ) inventor
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City	(5) Signed at			
Date	on	_____ signature		
		(Young-Hee		Kim) inventor
		First Name	Middle Initial	Last Name
City	(6) Signed at			
Date	on	_____ signature		
		(Barry	P.	Linder) inventor
		First Name	Middle Initial	Last Name
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Date	on	_____ signature		
		(Vijay		Narayanan) inventor
		First Name	Middle Initial	Last Name
City	(8) Signed at			
Date	on	_____ signature		
		(Vamsi	K.	Paruchuri ) inventor
		First Name	Middle Initial	Last Name
City	(9) Signed at	East Fishkill		
Date	on	4-13-2005	_____ signature	
		(Keith	Kwong Hon	Wong ) inventor
		First Name	Middle Initial	Last Name