

Docket No.: YOR920030334US1 (16899)

FORM PTO-1595 (Modified)  
(Rev. 03-01)  
OMB No. 0851-0027 (exp.5/31/2002)  
P08A/REV03

## RECORDATION FORM COVER SHEET

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To the Director of the United States Patent and Trademark Office: Please record the attached original documents or copy thereof.

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

**Ricky S. Amos**  
**Diane C. Boyd**  
**Cyril Cabral, Jr.**  
**Richard D. Kaplan**

Additional names(s) of conveying party(ies)

☒ Yes ☐ No

## 2. Name and address of receiving party(ies):

Name: International Business Machines CorporationAddress: New Orchard RoadCity: ArmonkState/Prov.: NYCountry: USAZIP: 10504

Additional name(s) &amp; address(es)

☐ Yes☒ No

## 3. Nature of conveyance:

☒ Assignment☐ Merger☐ Security Agreement☐ Change of Name☐ Other \_\_\_\_\_Execution Date: 1/8; 2/5; 2/6; 2/9; 2/10; 2/13; 2/19; 2/24/2004

## 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)

10/786,9012/25/2004

Additional numbers

☐ Yes ☐ No

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

Name: Steven FischmanRegistration No. 34,594Address: SCULLY, SCOTT, MURPHY & PRESSER400 Garden City PlazaCity: Garden CityState/Prov.: NYCountry: USAZIP: 11530

## 6. Total number of applications and patents involved:

17. Total fee (37 CFR 3.41):.....\$ 40.00☐ Enclosed - Any excess or insufficiency should be credited or debited to deposit account☒ Authorized to be charged to deposit account

## 8. Deposit account number:

50-0510/IBM

(Attach duplicate copy of this page if paying by deposit account)

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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.*Leslie S. Szivos, (Reg. No. 39,394)

Name of Person Signing



Signature

March 16, 2004

Date

15

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700072433

**PATENT**  
**REEL: 014434 FRAME: 0602**

CH \$40.00 500510 10786901

**ADDITIONAL NAMES OF CONVEYING PARTIES FOR ASSIGNMENT**

SERIAL NO.: 10/786,901,  
FILED ON FEBRUARY 25, 2004  
ENTITLED: CMOS SILICIDE METLA GATE INTEGRATION  
DOCKET: YOR920030334US1 (16899)

1. Jakub T. Kedzlerski
2. Victor Ku
3. Woo-Hyeong Lee
4. Ying Li
5. Anda C. Mocuta
6. Vijay Narayanan
7. An L. Steegen
8. Maheswaren Surendra

FEB 24 '04 15:19 FR

TO 915167424366

P.06

IBM Docket No.: YOR920030334US1  
SSMP: 16899**ASSIGNMENT***Whereas, we*

Inventor and City	(1) Ricky Amos County of Dutchess	City of Rhinebeck and State of New York
and	(2) Diane C. Boyd County of Dutchess	City of LaGrangeville and State of New York
and	(3) Cyril Cabral, Jr. County of Putnam	City of Mahopac and State of New York
and	(4) Richard D. Kaplan County of Dutchess	City of Wappingers Falls and State of New York
and	(5) Jakub T. Kedzierski County of Westchester	City of Peekskill and State of New York
and	(6) Victor Ku County of Westchester	City of Tarrytown and State of New York
and	(7) Woo-Hyeong Lee County of Dutchess	City of Poughquag and State of New York
and	(8) Ying Li County of Dutchess	City of Poughkeepsie and State of New York
and	(9) Anda C. Mocuta County of Dutchess	City of LaGrangeville and State of New York
and	(10) Vijay Narayanan County of New York	City of New York and state of New York
and	(11) An L. Steegen County of Fairfield	City of Stanford and State of Connecticut
and	(12) Maheswaren Surendra County of Westchester	City of Croton-On-Hudson and State of New York

have invented certain improvements in

Title CMOS SILICIDE METAL GATE INTEGRATION

PAGE 1 OF 2.

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PAGE.50

**PATENT**  
REEL: 014434 FRAME: 0604

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P.07

IBM Docket No.: YOR920030334US1  
SSMP: 16899

Dates That  
Inventors  
Signed the  
Declaration

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

- |                                |  |           |
|--------------------------------|--|-----------|
| (1) <u>[Signature]</u> 2/9/04  | 2004, and (2) <u>[Signature]</u> 2/24/04 | 2004, and |
| (3) <u>[Signature]</u>         | 2004, and (4) <u>[Signature]</u> 2/24/04 | 2004, and |
| (5) <u>[Signature]</u>         | 2004, and (5) <u>[Signature]</u> Feb. 06 | 2004; and |
| (7) <u>[Signature]</u> 2/10/04 | 2004, and (8) <u>[Signature]</u> 2/23/04 | 2004; and |
| (9) <u>[Signature]</u> 2/19/04 | 2004, and (10) <u>[Signature]</u>        | 2004; and |
| (11) <u>[Signature]</u> 2/9/04 | 2004, and (12) <u>[Signature]</u>        | 2004; 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 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.

IBM Corporation  
Armonk, New York 10504  
U.S. Patent and Trademark Office  
Washington, D.C. 20540

PAGE 2 OF 2

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PATENT PAGE 51

REEL: 014434 FRAME: 0605

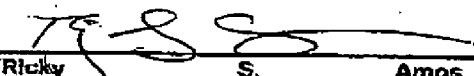
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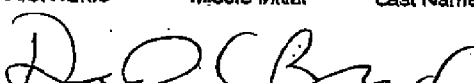
P.08

IBM Docket No.: YOR920030334US1  
SSMP: 16899**ASSIGNMENT**

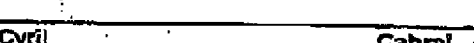
City (1) Signed at *Hopewell Junction*  
Date on *Feb. 9, 2004*

  
(Ricky S. Amos) signature  
First Name Middle Initial Last Name ) inventor

City (2) Signed at *Hopewell Junction*  
Date on *Feb 24, 2004*

  
(Diane C. Boyd) signature  
First Name Middle Initial Last Name ) inventor


City (3) Signed at  
Date on

  
(Cyril Cabral, Jr.) signature  
First Name Middle Initial Last Name ) inventor


City (4) Signed at  
Date on *Hopewell Junction*  
*Feb 13, 2004*

  
(Richard D. Kaplan) signature  
First Name Middle Initial Last Name ) inventor

City (5) Signed at  
Date on

  
(Jakub T. Kedzierski) signature  
First Name Middle Initial Last Name ) inventor

City (6) Signed at *Hopewell Junction*  
Date on *Feb. 06, 2004*

  
(Victor Ku) signature  
First Name Middle Initial Last Name ) inventor

City (7) Signed at *Hopewell Junction*  
Date on *Feb 10, 2004*

  
(Woo-Hyeon Lee) signature  
First Name Middle Initial Last Name ) inventor

PAGE 3 OF 2

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PATENT PAGE 52  
REEL: 014434 FRAME: 0606


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TO 915167424366


P.09

IBM Docket No.: YOR920030334US1  
SSMP; 16899

City (8) Signed at Hopewell Junction  
Date on 2/13/04

  
\_\_\_\_\_  
(Ying First Name Middle Initial LI Last Name) signature  
) inventor

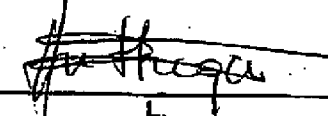
City (9) Signed at Hopewell Junction  
Date on 2/19/04

  
\_\_\_\_\_  
(Anda C. Mocuta First Name Middle Initial Last Name) signature  
) inventor

City (10) Signed at  
Date on

\_\_\_\_\_  
(Vijay First Name Middle Initial Narayanan Last Name) signature  
) inventor

City (11) Signed at EAST FISHKILL  
Date on 2/9/04

  
\_\_\_\_\_  
(An L. Steegen First Name Middle Initial Last Name) signature  
) inventor

City (12) Signed at  
Date on

\_\_\_\_\_  
(Maheswaren Surendra First Name Middle Initial Last Name) signature  
) inventor

PAGE 4 OF 2

FEB 05 '04 15:01

PATENT PAGE 53  
REEL: 014434 FRAME: 0607

IBM Docket No.: YOR920030334US1  
SSMP: 16899

## ASSIGNMENT

*Whereas, we*

Inventor and City	(1) Ricky Amos County of Dutchess	City of Rhinebeck and State of New York
and	(2) Diane C. Boyd County of Dutchess	City of LaGrangeville and State of New York
and	(3) Cyril Cabral, Jr. County of Putnam	City of Mahopac and State of New York
and	(4) Richard D. Kaplan County of Dutchess	City of Wappingers Falls and State of New York
and	(5) Jakub T. Kedzierski County of Westchester	City of Peekskill and State of New York
and	(6) Victor Ku County of Westchester	City of Tarrytown and State of New York
and	(7) Woo-Hyeong Lee County of Dutchess	City of Poughquag and State of New York
and	(8) Ying Li County of Dutchess	City of Poughkeepsie and State of New York
and	(9) Anda C. Mocuta County of Dutchess	City of LaGrangeville and State of New York
and	(10) Vijay Narayanan County of New York	City of New York and state of New York
and	(11) An L. Steegen County of Fairfield	City of Stanford and State of Connecticut
and	(12) Maheswaren Surendra County of Westchester	City of Croton-On-Hudson and State of New York

have invented certain improvements in

Title CMOS SILICIDE METAL GATE INTEGRATION

IBM Docket No.: YOR920030334US1  
SSMP: 16899

Dates That  
Inventors  
Signed the  
Declaration

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

(1)		2004, and (2)	2004, and
(3)	January 8 <sup>th</sup> ,	2004, and (4)	2004, and
(5)	January 8 <sup>th</sup>	2004, and (6)	2004; and
(7)		2004, and (8)	2004; and
(9)		2004, and (10) January 10 <sup>th</sup>	2004; and
(11)		2004, and (12)	2004; 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 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.



IBM Docket No.: YOR920030334US1  
SSMP: 16899

## ASSIGNMENT

City (1) Signed at

Date on

\_\_\_\_\_  
(Ricky S. Amos) signature  
First Name Middle Initial Last Name ) inventor

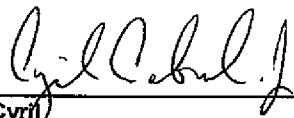
City (2) Signed at

Date on

\_\_\_\_\_  
(Diane C. Boyd) signature  
First Name Middle Initial Last Name ) inventor

City (3) Signed at Yorktown Heights, NY

Date on 01/08/04

  
\_\_\_\_\_  
(Cyril Cabral, Jr.) signature  
First Name Middle Initial Last Name ) inventor

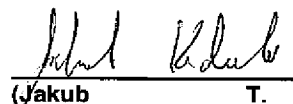
City (4) Signed at

Date on

\_\_\_\_\_  
(Richard D. Kaplan) signature  
First Name Middle Initial Last Name ) inventor

City (5) Signed at Yorktown Heights, NY

Date on 01/08/04

  
\_\_\_\_\_  
(Jakub T. Kedzierski) signature  
First Name Middle Initial Last Name ) inventor

City (6) Signed at

Date on

\_\_\_\_\_  
(Victor Ku) signature  
First Name Middle Initial Last Name ) inventor

City (7) Signed at

Date on

\_\_\_\_\_  
(Woo-Hyeong Lee) signature  
First Name Middle Initial Last Name ) inventor

IBM Docket No.: YOR920030334US1  
SSMP: 16899

City (8) Signed at

Date on

(Ying Li) signature  
First Name Middle Initial Last Name ) inventor

City (9) Signed at

Date on

(Anda C. Mocuta) signature  
First Name Middle Initial Last Name ) inventor

City (10) Signed at YORKTOWN HEIGHTS, NY

Date on 01/08/04

(Vijay Narayanan) signature  
First Name Middle Initial Last Name ) inventor

City (11) Signed at

Date on

(An L. Steegen) signature  
First Name Middle Initial Last Name ) inventor

City (12) Signed at

Date on

(Maheswaren Surendra) signature  
First Name Middle Initial Last Name ) inventor

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TO 915167424366

P.10/13

IBM Docket No.: YOR920030334US1  
SSMP: 16899

## ASSIGNMENT

Whereas, we

Inventor and City	(1) Ricky Amos County of Dutchess	City of Rhinebeck and State of New York
and	(2) Diane C. Boyd County of Dutchess	City of LaGrangeville and State of New York
and	(3) Cyril Cabral, Jr. County of Putnam	City of Mahopac and State of New York
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and	(6) Victor Ku County of Westchester	City of Tarrytown and State of New York
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and	(8) Ying Li County of Dutchess	City of Poughkeepsie and State of New York
and	(9) Anda C. Mocuta County of Dutchess	City of LaGrangeville and State of New York
and	(10) Vijay Narayanan County of New York	City of New York and state of New York
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P.11/13

**IBM Docket No.: YOR920030334US1**  
**SSMP: 16899**

Dates That  
Inventors  
Signed the  
Declaration

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

(1)	2004, and (2)	2004, and
(3)	2004, and (4)	2004, and
(5)	2004, and (6)	2004; and
(7)	2004, and (8)	2004; and
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TO 915167424366

P.12/13

IBM Docket No.: YOR920030334US1  
SSMP: 16899**ASSIGNMENT**

City (1) Signed at

Date on

(Ricky	S.	Amos	signature
First Name	Middle Initial	Last Name	) inventor

City (2) Signed at

Date on

(Diane	C.	Boyd	signature
First Name	Middle Initial	Last Name	) inventor

City (3) Signed at

Date on

(Cyril		Cabral, Jr.	signature
First Name	Middle Initial	Last Name	) inventor

City (4) Signed at

Date on

(Richard	D.	Kaplan	signature
First Name	Middle Initial	Last Name	) inventor

City (5) Signed at

Date on

(Jakub	T.	Kedzierski	signature
First Name	Middle Initial	Last Name	) inventor

City (6) Signed at

Date on

(Victor		Ku	signature
First Name	Middle Initial	Last Name	) inventor

City (7) Signed at

Date on

(Woo-Hyeong		Lee	signature
First Name	Middle Initial	Last Name	) inventor

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TO 915167424366

P.13/13

**IBM Docket No.: YOR920030334US1**  
**SSMP: 16899**

City (8) Signed at

Date on

(Ying			signature
First Name	Middle Initial	Li	) inventor
		Last Name	

City (9) Signed at

Date on

(Anda	C.	Mocuta	signature
First Name	Middle Initial	Last Name	) inventor

City (10) Signed at

Date on

(Vijay		Narayanan	signature
First Name	Middle Initial	Last Name	) inventor


City (11) Signed at

Date on

(An	L.	Steegen	signature
First Name	Middle Initial	Last Name	) inventor

City (12) Signed at *Howthorne, NY*Date on *Feb 5, 2004*

(Maheswaran		Surendra	signature
First Name	Middle Initial	Last Name	) inventor



400 Garden City Plaza  
Garden City, New York 11530  
(516) 742-4343 - Telephone  
(516) 742-4366 - Facsimile  
e-mail: intrprop@ssmp.com

## SCULLY, SCOTT, MURPHY & PRESSER

# Fax

<b>To:</b>	Automated Patent Assignment Division	<b>From:</b>	Leslie S. Szivos, Ph.D.
<b>Fax:</b>	703-306-5995	<b>Pages:</b>	16 including cover
<b>Phone:</b>		<b>Date:</b>	3/16/2004
<b>Re:</b>	Ricky S. Amos, et al. U.S. Patent Appln. No. 10/786,901 Our Docket: YOR920030334US1 (16899)	<b>CC:</b>	

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Docket No.: YOR920030334US1 (16899)

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

## RECORDATION FORM COVER SHEET

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To the Director of the United States Patent and Trademark Office: Please record the attached original documents or copy thereof.

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

**Ricky S. Amos**  
**Diane C. Boyd**  
**Cyril Cabral, Jr.**  
**Richard D. Kaplan**

Additional names(s) of conveying party(ies)

☒ Yes ☐ No

## 2. Name and address of receiving party(ies):

Name: International Business Machines CorporationAddress: New Orchard Road

## 3. Nature of conveyance:

- ☒ Assignment ☐ Merger  
☐ Security Agreement ☐ Change of Name  
☐ Other \_\_\_\_\_

Execution Date: 1/8; 2/5; 2/6; 2/9; 2/10; 2/13; 2/19; 2/24/2004City: Armonk State/Prov.: NYCountry: USA ZIP: 10504

Additional name(s) &amp; address(es)

☐ Yes ☒ No

## 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)

10/786,9012/25/2004

Additional numbers

☐ Yes ☐ No

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

Name: Steven FischmanRegistration No. 34,594Address: SCULLY, SCOTT, MURPHY & PRESSER400 Garden City PlazaCity: Garden City State/Prov.: NYCountry: USA ZIP: 115306. Total number of applications and patents involved: 17. Total fee (37 CFR 3.41):.....\$ 40.00☐ Enclosed - Any excess or insufficiency should be credited or debited to deposit account☒ Authorized to be charged to deposit account

## 8. Deposit account number:

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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.*Leslie S. Szivos, (Reg. No. 39,394)

Name of Person Signing

Signature

March 16, 2004

Date

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Director of the United States Patent and Trademark Office  
P.O. Box 1450, Alexandria, VA 22313-1450

**PATENT****RECORDED: 03/16/2004****REEL: 014434 FRAME: 0617**