

Docket No.: YOR920030334US1 (16899)

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

## 3. Nature of conveyance:

- ☐ Assignment ☐ Merger  
☐ Security Agreement ☐ Change of Name  
☒ Other Correction of a typographical error

Execution Date: May 7, 2004

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

Name: International Business Machines CorporationAddress: New Orchard RoadCity: 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:

19-1013/SSMP

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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

May 7, 2004

Date

Total number of pages including cover sheet, attachments, and

Mail documents to be recorded with required cover sheet information to:  
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700083359

PATENT  
REEL: 014608 FRAME: 0748

CH \$40.00 191013 10786901

**ADDITIONAL NAMES OF CONVEYING PARTIES FOR ASSIGNMENT**

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

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

03/16/2004  
700072433  
RECORDATION FORM COVER SHEET  
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Docket No.: YOR920030334US1 (16899)

FORM PTO-1535 (Modified)  
(Rev. 03-01)  
OMB No. 0651-0027 (exp. 3/31/2002)  
POSA/REV03

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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 Corporation

Address: New Orchard Road

City: Armonk State/Prov.: NY

Country: USA ZIP: 10504

Additional name(s) & 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

10/786,901 2/25/2004

B. Patent No.(s)

Additional numbers ☐ Yes ☐ No

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

Name: Steven Fischman

Registration No. 34,594

Address: SCULLY, SCOTT, MURPHY & PRESSER

400 Garden City Plaza

City: Garden City State/Prov.: NY

Country: USA ZIP: 11530

6. Total number of applications and patents involved: 1

7. 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)

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

Total number of pages including cover sheet, attachments, and

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CH \$40.00 500510 10786901

FEB 24 '04 15:19 FR

TO 5167424366

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. Sleggen 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.

FEB 05 '04 15:01

PAGE 50

**PATENT**  
REEL: 014608 FRAME: 0751

FEB 24 '04 15:19 FR

TC 5167424366 P.07

IBM Docket No.: YOR920030334US1  
SSMP: 16899Dates That  
Inventors  
Signed the  
Declaration

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

- |                                |  |           |
|--------------------------------|--|-----------|
| (1) <i>[Signature]</i> 2/9/04  | 2004, and (2) <i>[Signature]</i> 2/24/04 | 2004, and |
| (3) <i>[Signature]</i>         | 2004, and (4) <i>[Signature]</i> 2/9/04  | 2004, and |
| (5) <i>[Signature]</i>         | 2004, and (6) <i>[Signature]</i> Feb. 06 | 2004; and |
| (7) <i>[Signature]</i> 2/10/04 | 2004, and (8) <i>[Signature]</i> 2/13/04 | 2004; and |
| (9) <i>[Signature]</i> 2/19/04 | 2004, and (10)                           | 2004; and |
| (11) <i>[Signature]</i> 2/9/04 | 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.

of New York, having a  
place of business at  
Armonk, New York 10504,  
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;

PAGE 2 OF 2

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PATENT PAGE 31  
REEL: 014608 FRAME: 0752

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TC 5167424366 P.08

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

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

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

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

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

City (3) Signed at  
Date on

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

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

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

City (5) Signed at  
Date on

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

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

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

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

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

PAGE 3 OF 2

FEB 05 '04 15:01

PATENT PAGE 52  
REEL: 014608 FRAME: 0753

FEB 24 '04 15:20 FR


TC 5167424366

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 ) inventor signature


City (9) Signed at Hopewell Junction

Date on 2/19/04

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

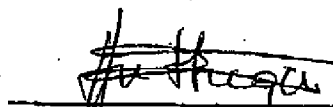
City (10) Signed at

Date on

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


City (11) Signed at EAST FISHKILL

Date on 2/9/04

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

City (12) Signed at

Date on

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

PAGE 4 OF 2

FEB 05 '04 15:01

PATENT PAGE.53

REEL: 014608 FRAME: 0754

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

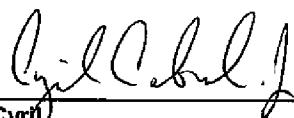
City (2) Signed at

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

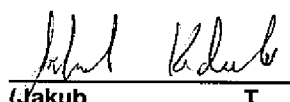
City (4) Signed at

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 signature)  
First Name Middle Initial Li ) inventor  
Last Name

City (9) Signed at

Date on

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

City (10) Signed at YORKTOWN HEIGHTS, NY

Date on 01/08/04

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

City (11) Signed at

Date on

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

City (12) Signed at

Date on

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

FEB 05 2004 16:13 FR

TO 5167424366

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	(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
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and	(12) Maheswaran 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

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TO 015167424366

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
(9)	2004, and (10)	2004; and
(11)	2004, and (12)	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

FEB 05 2004 16:13 FR

TO 915167424366

P.13/13

IBM Docket No.: YOR920030334US1  
SSMP: 16899

City (8) Signed at

Date on

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

City (9) Signed at

Date on

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

City (10) Signed at

Date on

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

City (11) Signed at

Date on

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

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

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