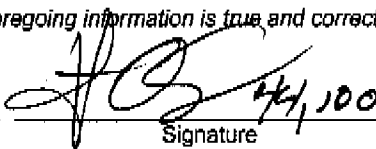


Form PTO-1595 (Rev. 03/01) OMB No. 0851-0027 (exp. 5/31/2002)		<b>RECORDATION FORM COVER SHEET</b>		U.S. DEPARTMENT OF COMMERCE U.S. Patent and Trademark Office	
<b>PATENTS ONLY</b>					
To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof					
<b>1. Name of conveying party(ies):</b> Cyril Cabral, Jr. (02/27/2004), Christopher Detavernier (03/11/2004), Rajarao Jammy (02/27/2004), and Katherine L. Saenger (02/27/2004)  Additional name(s) of conveying party(ies) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			<b>2. Name and address of receiving party(ies)</b>  International Business Machines Name: <u>Corporation</u> Internal Address: _____ Street Address: _____  New Orchard Road  City: <u>Armonk</u> State: <u>NY</u> Zip: <u>10504</u> Additional name(s) & address(es) attached: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
<b>3. Nature of Conveyance:</b> <input checked="" type="checkbox"/> Assignment <input type="checkbox"/> Merger <input type="checkbox"/> Security Agreement <input type="checkbox"/> Change of Name <input type="checkbox"/> Other _____ Execution Date: <u>see Box 1, conveying parties</u>			<b>4. Application number(s) or patent number(s):</b>  If this document is being filed together with a new application, the execution date of the new application is: _____ A. Patent Application No.(s): <u>10/722,557</u> B. Patent No.(s): _____  Additional numbers attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
<b>5. Name and address of party to whom correspondence concerning document should be mailed:</b>  Name: <u>Burton A. Amernick</u> <u>CONNOLLY BOVE LODGE &amp; HUTZ LLP</u> Internal Address: <u>Atty. Dkt.: 20140-00315-US</u> Street Address: _____ <u>1990 M Street, N.W., Suite 800</u>  City: <u>Washington</u> State: <u>DC</u> Zip: <u>20036-3425</u>			<b>6. Total number of applications and patents involved:</b> <u>1</u>  <b>7. Total fee (37 CFR 3.41)</b> \$ <u>40.00</u> <input type="checkbox"/> Enclosed <input checked="" type="checkbox"/> Authorized to be charged to deposit account <input type="checkbox"/> Authorized to be charged to credit card (Form 2038 enclosed)  <b>8. Deposit account number:</b> <u>50-0510</u> (Attach duplicate copy of this page if paying by deposit account)		
DO NOT USE THIS SPACE					
<b>9. Statement and signature.</b>  <i>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.</i>  <div style="display: flex; justify-content: space-between; align-items: flex-end;"> <div style="width: 40%;"> <u>FOR</u> <u>Burton A. Amernick - 24,852</u>            Name of Person Signing         </div> <div style="width: 30%; text-align: center;">             Signature         </div> <div style="width: 20%; text-align: right;"> <u>May 10, 2004</u>            Date         </div> </div> <div style="text-align: center; margin-top: 10px;">           Total number of pages including cover sheet, attachments, and documents: <u>5</u> </div>					

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**ASSIGNMENT**

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(20140/0315)  
Page 1 of 2

Whereas, We,

Cyril Cabral, Jr.  
County of Westchester

City of Ossining  
and State of New York

Christophe Detavernier  
County of (N/A)

City of Denderleeuw  
and State (Country) of Belgium

Rajarao Jammy  
County of Dutchess

City of Hopewell Junction  
and State of New York

Katherine L. Saenger  
County of Westchester

City of Ossining  
and State of New York

have invented certain improvements in **METAL CARBIDE GATE STRUCTURE AND METHOD OF FABRICATION**

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

- (1) \_\_\_\_\_
- (2) \_\_\_\_\_
- (3) \_\_\_\_\_
- (4) \_\_\_\_\_

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

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(20140/0315)

Page 2 of 2

execute all papers necessary in connection with the United States and foreign applications when called upon to do so by IBM.

## SIGNED AND SEALED

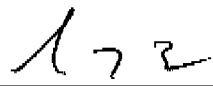
(1) signed at Yorktown Heights, NY  
on 2/27/04

  
Cyril Cabral, Jr.

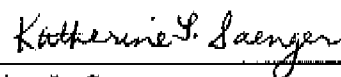
(2) signed at  
on

\_\_\_\_\_  
Christophe Detavernier

(3) signed at Yorktown Heights, NY  
on 2/27/04

  
Rajarao Jammy

(4) signed at Yorktown Heights, NY  
on 2/27/04

  
Katherine L. Saenger

**ASSIGNMENT**

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(20140/0315)

Page 1 of 2

Whereas, We,

Cyril Cabral, Jr.  
County of WestchesterCity of Ossining  
and State of New YorkChristophe Detavernier  
County of (N/A)City of Denderleeuw  
and State (Country) of BelgiumRajarao Jammy  
County of DutchessCity of Hopewell Junction  
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County of WestchesterCity of Ossining  
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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

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(20140/0315)

Page 2 of 2

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) signed at  
on

~~Gent, Belgium~~  
~~March 11th, 2004~~

\_\_\_\_\_  
Cyril Cabral, Jr.

(2) signed at  
on

Gent, Belgium  
March 11th, 2004

\_\_\_\_\_  
Christophe Detavernier

(3) signed at  
on

\_\_\_\_\_  
Rajarao Jammy

(4) signed at  
on

\_\_\_\_\_  
Katherine L. Saenger