

08-10-2000

FIS9-2000-0047-US1



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Patent and Trademark Office

6-29-00

101427948  
PATENTS ONLY

HEET

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

<p>1. Name of conveying parties: (1) <u>Rajaroo Jammy</u>, (2) <u>Cheryl G. Faltermeier</u>, (3) <u>Kwong Hon Wong</u>.</p> <p>Additional name(s) of conveying party(ies) attached? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO</p> <p>3. Nature of Conveyance: <u>Assignment</u></p> <p>Execution Dates: <u>6/16/00; 6/20/00; 6/16/00</u></p>	<p>2. Name and address of receiving party(ies): Name: <u>International Business Machines Corporation</u> Street Address: <u>New Orchard Road</u> City: <u>Armonk</u> State: <u>New York</u> ZIP: <u>10504</u> Additional name(s) &amp; address(es) attached? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO</p>
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1c714 U.S. PTO  
09/607131  
06/29/00

4. Application number(s) or patent number(s): C9 607131  
If this document is being filed together with a new application, the execution date of the application is: 6/16/00; 6/20/00; 6/16/00

A. Patent Application Number(s) \_\_\_\_\_ B. Patent Number(s) \_\_\_\_\_

Additional number(s) attached?  YES  NO

<p>5. Name and address of party to whom correspondence concerning document should be mailed: Name: <u>Kevin R. Casey</u></p> <p>Internal Address: <u>Ratner &amp; Prestia</u> Street Address: <u>Suite 301, One Westlakes, Berwyn, P.O. Box 980</u> <u>Valley Forge, PA 19482-0980</u> Phone: <u>(610) 407-0700</u></p>	<p>6. Total number of applications and patents involved: <u>1</u></p> <p>7. Total fee (37 CFR 3.41): <u>\$ 40.00</u></p> <p><input type="checkbox"/> Enclosed <input checked="" type="checkbox"/> Authorized to be charged to deposit account <u>FI-280</u></p> <p>8. Deposit account number: <u>09-0458 (IBM Corporation)</u> (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.*

H. Daniel Schnurmann June 29, 2000  
Name of Person Signing Signature Date  
35,791

Registration. No.

Total number of pages including cover sheet, attachments, and document: 5

I HEREBY CERTIFY THAT THIS CORRESPONDENCE IS BEING DEPOSITED WITH THE UNITED STATES POSTAL SERVICE AS EXPRESS MAIL IN AN ENVELOPE ADDRESSED TO: COMMISSIONER OF PATENTS AND TRADEMARKS, WASHINGTON, D.C. 20231. THE APPLICANT AND/OR ATTORNEY REQUEST THE DATE OF DEPOSIT AS THE FILING DATE.

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Date of Deposit: 6/29/00

Name of Person Making Deposit: Karen Cinq-Mars

Signature: Karen Cinq-Mars 6/29/00

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08/10/2000 DMSUYEH 00000134 090458  
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01 FC:561

Docket No. FIS9-2000-0047-US1

Page 1

**ASSIGNMENT**

WHEREAS, we

- (1) **Rajaroo Jammy** of 5C Pembroke Circle, Wappingers Falls, NY 12590;
- (2) **Cheryl G. Faltermeier** of 119 Stringham Road, Apt. 7, Lagrange, NY 12540;
- (3) **Kwong Hon Wong** of 42 Mina Drive, Wappingers Falls, NY 12590

have invented certain improvements in

**HIGHLY CONFORMAL TITANIUM NITRIDE DEPOSITION  
FOR HIGH ASPECT RATIO STRUCTURES**

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

- (1) *6/16/* , 2000;
- (2) , 2000;
- (3) *6/16* , 2000.

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;

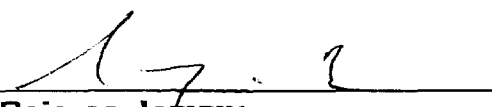
Now, therefore, for a valuable consideration, receipt whereof is hereby acknowledged, we, the above named hereby sell, assign, and transfer to IBM, its successors and assigns, the entire right, title and interest in the said application and the invention therein disclosed for the United States and foreign 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 I/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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Page 2

Signed

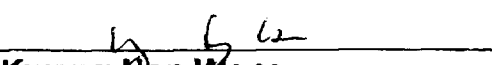
(1) at *East fishkill*  
on *6/16/*, 2000;

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

(2) at  
on \_\_\_\_\_, 2000;

\_\_\_\_\_  
**Cheryl G. Faltermeier**

(3) at *East Fishkill*  
on *6/16*, 2000.

  
\_\_\_\_\_  
**Kwong Bon Wong**

## ASSIGNMENT

WHEREAS, we

- (1) **Rajaroo Jammy** of 5C Pembroke Circle, Wappingers Falls, NY 12590;
- (2) **Cheryl G. Faltermeier** of 119 Stringham Road, Apt. 7, Lagrange, NY 12540;
- (3) **Kwong Hon Wong** of 42 Mina Drive, Wappingers Falls, NY 12590

have invented certain improvements in

### HIGHLY CONFORMAL TITANIUM NITRIDE DEPOSITION FOR HIGH ASPECT RATIO STRUCTURES

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

- (1) \_\_\_\_\_, 2000;
- (2) *June 20* \_\_\_\_\_, 2000;
- (3) \_\_\_\_\_, 2000.

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

Signed

(1) at \_\_\_\_\_  
on \_\_\_\_\_, 2000;

\_\_\_\_\_  
**Rajaroo Jammy**

(2) at East Fishkill  
on 6/30, 2000;

  
\_\_\_\_\_  
**Cheryl G. Faltermeier**

(3) at \_\_\_\_\_  
on \_\_\_\_\_, 2000.

\_\_\_\_\_  
**Kwong Hon Wong**