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(Rev. 6-93)
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To the Honorable Commissioner of Patent

101367229

ached original documents or copy the

1. Name of conveying party(ies):
**Kevin S. Petrarca, Donald Canaperi, Mahadevaiyer
Krishnan, Kenneth Jay Stein, Richard P. Volant**

519100

2. Name and address of receiving party(ies):
Name: **International Business Machines Corporation**

Internal Address:

Street Address: **New Orchard Road**

City: **Armonk** State: **NY** ZIP: **10504**

Additional names(s) of conveying party(ies) Yes No

Additional name(s) & address(es) attached? Yes No

3. Nature of conveyance:

- Assignment Merger
- Security Agreement Change of Name
- Other

Execution Date: **3/16, 3/16, 3/16, 3/16, 3/16/00**

4. Application number(s) or registration numbers(s): **09567466**

If this document is being filed together with a new application, the execution date of the application is: **3/16, 3/16, 3/16**

A. Patent Application No.(s) EXPRESS MAIL NO.: **EK08287403105B** B. Patent No.(s)

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

DATE OF DEPOSIT: **5/19/00**

BY SIGNATURE: **Louise D. Zeno** Additional numbers attached? Yes No

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

Name: **Jay H. Anderson**
Internal Address: **IBM Corporation**
Intellectual Property Law Dept.

Street Address: **18/G, B/300, Z/482, 2070 Route 52**

City: **Hopewell Junction** State: **NY** ZIP: **12533**

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
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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.

Jay H. Anderson Reg. # **38,371**

Name of Person Signing

Signature

9 May 2000

Date

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

3

ASSIGNMENT

WHEREAS, we

(1) Kevin S. Petrarca
County of Orange

City of Newburgh
and State of New York

and (2) Donald Canaperi
County of Litchfield

City of Bridgewater
and State of Connecticut

and (3) Mahadevaiyer Krishnan
County of Dutchess

City of Hopewell Junction
and State of New York

and (4) Kenneth Jay Stein
County of Fairfield

City of Sandy Hook
and State of Connecticut

and (5) Richard P. Volant
County of Fairfield

City of New Fairfield
and State of Connecticut

have invented certain improvements in

ENCAPSULATED METAL STRUCTURES FOR SEMICONDUCTOR DEVICES AND MIM CAPACITORS
INCLUDING THE SAME

and executed a United States patent application therefor on:

(dates that Inventors signed the declaration)


- (1) 3/14/00 , and
- (2) 3/16/00 , and
- (3) 3/16/00 , and
- (4) 3/16/00 , and
- (5) 3/16/00

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, I, 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 I 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 I hereby agree that IBM may apply for foreign Letters Patent on said invention and I will execute all papers necessary in connection with the United States and foreign applications when called upon to do so by IBM.

Signed and sealed
(city and date)

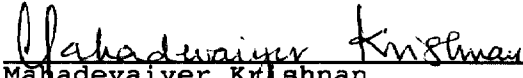
(1) at East Fishkill
on 3/14 2000,


Kevin S. Petrarca

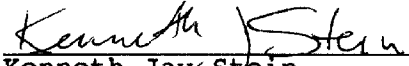
(2) at East Fishkill
on 3/16 2000,


Donald Canaperi

(3) at East Fishkill
on 3/16 2000,


Mahadevaiyer Krishnan

(4) at East Fishkill
on 3-16- 2000,


Kenneth Jay Stein

(5) at East Fishkill
on 3/16 2000,


Richard P. Volant