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101963461

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

1. Name of conveying party(ies):

Edward Barth
John A. Fitzsimmons
Stephen M. Gates
Thomas H. Ivers
Sarah L. Lane

Jia Lee
Ann McDonald
Vincent McGahay
Darryl D. Restaino

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

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 name(s) & address(es) attached? ☐ Yes ☒ No

3. Nature of conveyance:

☒ Assignment ☐ Merger
☐ Security Agreement ☐ Change of Name
☐ Other _____

Execution Date: 1/14/02, 1/7/02, 1/7/02, 1/10/02, 1/7/02,
1/4/02, 1/7/02, 1/8/02, 1/11/02

4. Application number(s) or patent number(s):

If this document is being filed together with a new application, the execution date of the application is: 1/7/02, 1/8/02, 1/11/02

A. Patent Application No.(s)

B. Patent No.(s)

EK140252711US
 DEFENSE DEPARTMENT
 MAIL ROOM
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 ADDRESSED TO: COMMISSIONER OF
 PATENTS AND TRADEMARKS WASHINGTON, D.C. 20231
 ADDITIONAL ATTORNEY REQUESTS THE DATE OF
 DATE
 11/15/02
 Additional numbers attached? ☐ Yes

Additional numbers attached? ☐ Yes ☒ No

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

6. Total number of applications and patents involved:

Name: International Business Machines Corporation

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:

09-0458, FI-728

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

Street Address: 2070 Route 52

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

DO NOT USE THIS SPACE

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.

Margaret A. Pepper, Reg. No. 45,008

Name of Person Signing

Signature _____

Date _____

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

Mail documents to be recorded with required cover sheet information to:
Commissioner of Patents & Trademarks, Box Assignments

PATENT

REEL: 012502 FRAME: 0947

ASSIGNMENT

WHEREAS, we

(1) Edward Barth County of Fairfield	of Ridgefield State of Connecticut
(2) John A. Fitzsimmons County of Dutchess	of Hopewell Junction State of New York
(3) Stephen M. Gates County of Westchester	of Ossining State of New York
(4) Thomas H. Ivers County of Dutchess	of Hopewell Junction State of New York
(5) Sarah L. Lane County of Dutchess	of Wappingers Falls State of New York
(6) Jia Lee County of Westchester	of Ossining State of New York
(7) Ann McDonald County of Orange	of New Windsor State of New York
(8) Vincent McGahay County of Dutchess	of Poughkeepsie State of New York
(9) Darryl D. Restaino County of Ulster	of Modena State of New York

have invented certain improvements in

ADVANCED BEOL INTERCONNECT STRUCTURES WITH LOW-K PE CVD CAP LAYER AND METHOD THEREOF

and executed a United States patent application therefor on:
(dates that inventors signed the declaration)

(1) 1/14/02, and (2) 4/1/02, and (3) 1/7/02, and (4) 1/10/02, and (5) 01/07/02, and (6) 01/04/02, and (7) 1/7/02, and (8) 1/8/02, and (9) 1/11/02

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 (Date Signing Assignment)

(1) at East Fishkill, NY,
on 1/14/02, 2001, Edward Barth

and
(2) at East Fishkill,
on 1/07/02, 2001, John A. Fitzsimmons

and

- (3) at East Fishkill
on 1/7/02, 2001, Stephen M. Gates
- (4) at East Fishkill
on 1/10/02, 2001, Thomas H. Ivers
- (5) at East Fishkill
on 01/07/02, 2001, Sarah L. Lane
- (6) at EAST FISHKILL
on 01/04/2002, 2001, Jia Lee
- (7) at East Fishkill
on Jan 7, 2002, 2001, Ann McDonald
- (8) at East Fishkill
on 1/8/02, 2001, Vincent McGahay
- (9) at East Fishkill
on 1-11-02, 2001, Darryl D. Restaino