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08-28-1998

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To the Honorable Commissioner of Patents and Trademarks

and original documents or copy thereof.

1. Name of Conveying party(ies): **Charles J. Blasi, Gobinda Das, Franco Motika**3. Nature of Conveyance: **Assignment**Execution Date:  
08/17/98, 08/04/98, 08/17/98

2. Name &amp; address of receiving party(ies)

Name: **International Business  
Machines Corporation**

Street

Address: **New Orchard Road**City: **Armonk State: New York ZIP: 10504**

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

Title of Application: **MULTI-LAYER CERAMIC SUBSTRATE DECOUPLING**If this document is being filed together with a new application, the execution date of the application is: **08/17/98, 08/04/98, 08/17/98**A. Patent Application No(s).  
Docket No. **FI9-98-055**  
Serial No.

B. Patent No(s)

Additional numbers attached? Yes X No5. Name and address of party to whom  
correspondence concerning document  
should be mailed:Name: **Daryl K. Neff**

Street Address:

**IBM Corporation  
Intellectual Property Law Dept.  
Dept. 18G/Bldg. 300-482  
1580 Route 52  
Hopewell Junction, NY 12533-6531**6. Total number of applications and  
patents involved: 17. Total fee (37 CFR 3.41): **\$40.00**

Enclosed

X Authorized to be charged to  
deposit account8. Deposit A/C no.: **09-0458 (FI-369)**  
(Attach duplicate copy of this page  
if paying by deposit account)

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9. Statement of 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.**Daryl K. Neff, Reg. No. 38,253**

Name of Person Signing

Telephone No. (914) 894-3664

Signature

8/18/98  
DateTotal number of pages, including cover sheet, attachments, and document 3Express Mail No. **EI483210495US**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. Applicant and/or Attorney requests the date of deposit  
as the filing date.August 18, 1998  
DATE OF DEPOSIT  
ROBINANN ZENO8/18/98  
SIGNATURE AND DATE

PATENT

REEL: 9398 FRAME: 0775

## ASSIGNMENT

Whereas, we

Inventor  
and City

(1) Charles J. Blasi  
County of Ulster

City of Highland  
and State of New York

(2) Gobinda Das  
County of Dutchess

City of Hopewell Junction  
and State of New York

(3) Franco Motika  
County of Dutchess

City of Hopewell Junction  
and State of New York

have invented certain improvements in

Title

MULTI-LAYER CERAMIC SUBSTRATE DECOUPLING

Dates That  
Inventors  
Signed the  
Declaration

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

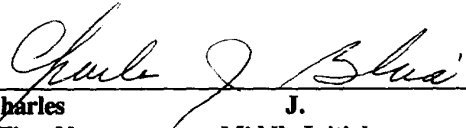
(1) 8/17/98 1998, (2) 8/4/98 1998, (3) Aug 17, 1998.

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.

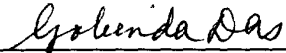
City (1) Signed at East Fishkill, NY

Date on 8/17/98

  
( Charles J. Blasi ) signature  
First Name Middle Initial Last Name ) inventor

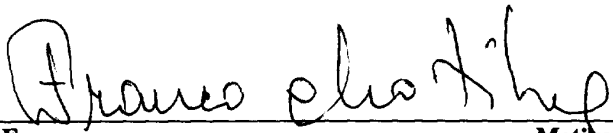
City (2) Signed at East Fishkill, NY

Date on 8/4/98

  
( Gobinda Das ) signature  
First Name Middle Initial Last Name ) inventor

City (3) Signed at East Fishkill, NY

Date on August 17, 1998

  
( Franco Motika ) signature  
First Name Middle Initial Last Name ) inventor