

7-19-99

RE

07-28-1999

T



101103020

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

1. Name of Conveying party(ies): Benjamin V. Fasano, David H. Gabriels, Richard F. Indyk Sundar M. Kamath, Scott I. Langenthal, Srinivasa S.N. Reddy, Rao V. Vallabhaneni

3. Nature of Conveyance: Assignment

2. Name & address of receiving party(ies)

Execution Date: 7/6/99, 7/7/99, 7/2/99,
7/7/99, 7/6/99, 7/6/99,
7/16/99

Name: International Business Machines Corporation

Street Address: New Orchard Road

City: Armonk State: New York ZIP: 10504

RECEIVED
JUL 28 1999
PTO
09/356944
07/19/99

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

Title of Application: MULTILAYER CERAMIC SUBSTRATE WITH ANCHORED PAD

If this document is being filed together with a new application, the execution date of the application is: 7/6/99, 7/7/99, 7/2/99, 7/7/99, 7/6/99, 7/6/99, 7/16/99

A. Patent Application No(s).

B. Patent No(s)

Docket No. FI9-99-080

09356944

Additional numbers attached? Yes No

5. Name and address of party to whom correspondence concerning document

6. Total number of applications and patents involved: 1

should be mailed:

Name: Ira D. Blecker

Street Address:

7. Total fee (37 CFR 3.41): \$40.00 ,
Enclosed

Authorized to be charged to deposit account

International Business Machines Corp.
Intellectual Property Law Dept.
1580 Route 52
Dept. 18G / Bldg. 300-482
Hopewell Junction, New York 12533

8. Deposit A/C no.: 09-0458 (FI-337)

07/27/1999 DNGUYEN 00000320 090458 09356944

DO NOT USE THIS SPACE

01 FC:581 40.00 CH

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.

Ira D. Blecker, Registration No. 29,894
Name of Person Signing
Telephone No. (914) 894-2580

Signature

Date

Total number of pages including cover sheet, attachments, and document: 7

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.

Express Mail Certificate No: EE468937431US

Date of Deposit: July 19, 1999

Name of Person Making Deposit: RobinAnn Zeno

Signature:

RobinAnn Zeno 7/19/99

ASSIGNMENT

WHEREAS, we

- | | |
|--|---|
| (1) Benjamin V. Fasano
County of Orange
and | of New Windsor
State of New York |
| (2) David H. Gabriels
County of Putnam
and | of Cold Spring
State of New York |
| (3) Richard F. Indyk
County of Dutchess
and | of Wappingers Falls
State of New York |
| (4) Sundar M. Kamath
County of Santa Clara
and | of San Jose
State of California |
| (5) Scott I. Langenthal
County of Dutchess
and | of Hyde Park
State of New York |
| (6) Srinivasa S.N. Reddy
County of Dutchess
and | of LaGrangeville
State of New York |
| (7) Rao V. Vallabhaneni
County of Dutchess | of Hopewell Junction
State of New York |

have invented certain improvements in

MULTILAYER CERAMIC SUBSTRATE WITH ANCHORED PAD

and executed a United States patent application therefor on:

(dates that Inventors signed the declaration)

- (1) 7/6, 1999, and (2) 7/7, 1999, and
 (3) 7/2, 1999, and (4) _____, 1999, and
 (5) 7/6, 1999, and (6) 7/6/, 1999, and
 (7) 07/16, 1999.

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

(1) at East Fishkill, NY

on 7/6, 1999,

and

(2) at East Fishkill, NY

on 7/7, 1999,

and

(3) at East Fishkill, NY

on 7/7, 1999,

and

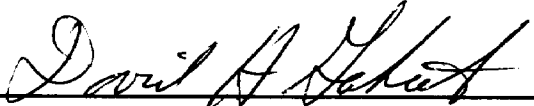
(4) at San Jose, CA

on _____, 1999,

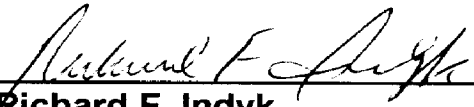
and



Benjamin V. Fasano



David H. Gabriels



Richard F. Indyk

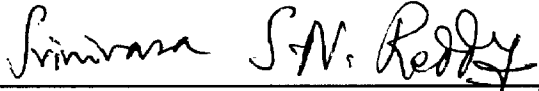
Sundar M. Kamath

(5) at East Fishkill, NY
on 7/6, 1999,
and



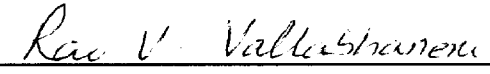
Scott I. Langenthal

(6) at East Fishkill, NY
on 7/6/99, 1999,
and



Srinivasa S.N. Reddy

(7) at East Fishkill, NY
on 07/16, 1999,



Rao V. Vallabhaneni

ASSIGNMENT

WHEREAS, we

- (1) **Benjamin V. Fasano** of New Windsor
County of Orange State of New York
and
- (2) **David H. Gabriels** of Cold Spring
County of Putnam State of New York
and
- (3) **Richard F. Indyk** of Wappingers Falls
County of Dutchess State of New York
and
- (4) **Sundar M. Kamath** of San Jose
County of Santa Clara State of California
and
- (5) **Scott I. Langenthal** of Hyde Park
County of Dutchess State of New York
and
- (6) **Srinivasa S.N. Reddy** of LaGrangeville
County of Dutchess State of New York
and
- (7) **Rao V. Vallabhaneni** of Hopewell Junction
County of Dutchess State of New York

have invented certain improvements in

MULTILAYER CERAMIC SUBSTRATE WITH ANCHORED PAD

and executed a United States patent application therefor on:

(dates that Inventors signed the declaration)

- (1) _____, 1999, and (2) _____, 1999, and
- (3) _____, 1999, and (4) July 7th, 1999, and
- (5) _____, 1999, and (6) _____, 1999, and
- (7) _____, 1999.

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

(1) at East Fishkill, NY
on _____, 1999,
and

Benjamin V. Fasano


(2) at East Fishkill, NY
on _____, 1999,
and

David H. Gabriels

(3) at East Fishkill, NY
on _____, 1999,
and

Richard F. Indyk

(4) at San Jose, CA
on July 7th, 1999,
and



Sundar M. Kamath

(5) at East Fishkill, NY
on _____, 1999,
and

Scott I. Langenthal

(6) at East Fishkill, NY
on _____, 1999,
and

Srinivasa S.N. Reddy

(7) at East Fishkill, NY
on _____, 1999,

Rao V. Vallabhaneni