

10-12-1999

PATENT ONLY

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To the Honorable Commissioner of Patents and Trademarks, please record the attached original documents or copy thereof

1. Name of conveying party(ies): (1) Bernd K. Appelt,
(2) Anilkumar C. Bhatt, (3) James W. Fuller, Jr.,
(4) John M. Lauffer, (5) Voya R. Markovich,
(6) William J. Rudik, (7) William E. Wilson

Additional name(s) of conveying party(ies) attached? ☐ YES ☒ NO

3. Nature of Conveyance:

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

Execution Date: (1) June 8, 1999, (2) June 11, 1999,
(3) June 15, 1999, (4) June 9, 1999, (5) June 11, 1999,
(6) June 11, 1999, (7) June 10, 1999

2. Name and address of receiving party(ies):

Name: International Business Machines CorporationStreet Address: New Orchard RoadCity: Armonk State: New York ZIP: 10504Additional name(s) & address(es) attached? ☐ YES ☒ NO

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:

A. Patent Application Number(s) 09/342,584

B. Patent Number(s) _____

Additional number(s) attached? ☐ YES ☒ NO

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

Name: Kevin R. CaseyInternal Address: Ratner & PrestiaStreet Address: Suite 301, One Westlakes, Berwyn,P.O. Box 980Valley Forge, PA 19482-0980Phone: (610) 407-07006. Total number of applications and patents involved: 17. Total fee (37 CFR 3.41): \$ 40.00☐ Enclosed☒ Authorized to be charged to deposit account8. Deposit account number: 09-0457 (IBM Corporation)

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

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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.

Kevin R. Casey

Name of Person Signing

32,117

Registration. No.

Signature

Date

Total number of pages including cover sheet, attachments, and document: 4

OMB No. 0651-0011 (exp. 4/94)

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Box Assignments

Washington, D.C. 20231

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UTILITY PATENT APPL

(Large)

(Only for new nonprovisional a)

07-16-1999



10-10-1999

Docket No.
EN995141VTotal Pages in this Submission
57

TO THE ASSISTANT COMMISSIONER FOR PATENTS

Box Patent Application
Washington, D.C. 20231Transmitted herewith for filing under 35 U.S.C. 111(a) and 37 C.F.R. 1.53(b) is a new utility patent application
entitled:PRINTED CIRCUIT BOARDS FOR ELECTRONIC DEVICE PACKAGES HAVING GLASS FREE
NON-CONDUCTIVE LAYERS AND METHOD OF FORMING SAME

and invented by:

Bernd K. Appelt, Anilkumar C. Bhatt, James W. Fuller, Jr., John M. Lauffer, Voya R. Markovich, William J.
and William E. Wilson

If a CONTINUATION APPLICATION, check appropriate box and supply the requisite information:

☐ Continuation ☐ Divisional ☒ Continuation-in-part (CIP) of prior application No.: 08/699,902

Which is a:

☐ Continuation ☐ Divisional ☐ Continuation-in-part (CIP) of prior application No.:

Which is a:

☐ Continuation ☐ Divisional ☐ Continuation-in-part (CIP) of prior application No.:

Enclosed are:

Application Elements

1. ☒ Filing fee as calculated and transmitted as described below
2. ☒ Specification having 17 pages and including the following:
 - a. ☒ Descriptive Title of the Invention
 - b. ☐ Cross References to Related Applications (if applicable)
 - c. ☐ Statement Regarding Federally-sponsored Research/Development (if applicable)
 - d. ☐ Reference to Microfiche Appendix (if applicable)
 - e. ☒ Background of the Invention
 - f. ☒ Brief Summary of the Invention
 - g. ☒ Brief Description of the Drawings (if drawings filed)
 - h. ☒ Detailed Description
 - i. ☒ Claim(s) as Classified Below
 - j. ☒ Abstract of the Disclosure

ASSIGNMENT

WHEREAS, we, **Bernd K. Appelt, of 469 Glendale Drive, Apt. #6, Endicott, NY 13760; Anilkumar C. Bhatt, of 1151 Reynolds Road, Johnson City, NY 13790; James W. Fuller, Jr., of 1024 Tilbury Hill Road, Endicott, NY 13760; John M. Lauffer, of 213 Lincoln St. Extension, Waverly, NY 14892; Voya R. Markovich, of 3611 Joel Drive, Endwell, NY 13760; William J. Rudik, of 227 Sheedy Road, Vestal, NY 13850; and William E. Wilson, of 410 Acres Avenue, Waverly, NY 14892**, (hereinafter referred to as "**ASSIGNOR**") have made an invention entitled **PRINTED CIRCUIT BOARDS FOR ELECTRONIC DEVICE PACKAGES HAVING GLASS FREE NON-CONDUCTIVE LAYERS AND METHOD OF FORMING SAME**, for which, on even date herewith, the **ASSIGNOR** executed an application for United States Letters Patent;

WHEREAS, the **ASSIGNEE, International Business Machines Corporation, New Orchard Road, Armonk, New York 10504**, a corporation organized and existing under and by virtue of the laws of the State of New York, is desirous of acquiring the entire interest in and to said invention and the Letters Patent to be obtained therefor;

NOW, THEREFORE, in consideration of One Dollar (\$1.00) and of other good and valuable consideration, the receipt of which is hereby acknowledged, the undersigned, intending to be legally bound, does hereby sell, assign and transfer to the **ASSIGNEE** the **ASSIGNOR'S** entire right, title and interest, for the United States of America, its territories and possessions, and for all foreign countries, in said invention, including said patent application, all divisions and continuations thereof, all rights to claim priority based thereon, all rights to file foreign applications on said invention, and all letters patent and reissues thereof, issuing for said invention in the United States of America and in any and all foreign countries.

It is agreed that **ASSIGNOR** shall be legally bound, upon request and at the expense of the **ASSIGNEE** or its successors or assigns or a legal representative thereof, to supply all information and evidence of which the undersigned has knowledge or possession, relating to the making and practice of said invention, to testify in any legal

proceeding relating thereto, to execute all instruments and do such other acts as may be necessary and proper to patent the invention in the United States of America and foreign countries in the name of the assignee and to execute all instruments proper to carry out the intent of this instrument.

Because **ASSIGNOR** includes more than one person, these obligations shall apply to those persons both individually and collectively.]

ASSIGNOR hereby warrants that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this Assignment.

IN WITNESS WHEREOF, this Assignment is executed on the day indicated below.

ASSIGNOR #1:

Typed Name: **Bernd K. Appelt**

Bernd K. Appelt
Signature

Signed At: Endicott NY

Date: 6-8-98

ASSIGNOR #2:

Typed Name: **Anilkumar C. Bhatt**

Anilkumar C. Bhatt
Signature

Signed At: Anilkumar Bhatt, NY

Date: 06-11-99

ASSIGNOR #3:

Typed Name: **James W. Fuller, Jr.**

James W. Fuller, Jr.
Signature

Signed At: Endicott NY

Date: 15 June 1999

ASSIGNOR #4:

Typed Name: **John M. Lauffer**

John M. Lauffer
Signature

Signed At: Endicott, NYDate: 6/9/1999

ASSIGNOR #5:

Typed Name: **Voya R. Markovich**

Voya R. Markovich
Signature

Signed At: Endicott, NYDate: 6/11/99

ASSIGNOR #6:

Typed Name: **William J. Rudik**

William J. Rudik
Signature

Signed At: Endicott NYDate: 6/11/99

ASSIGNOR #7:

Typed Name: **William E. Wilson**

William E. Wilson
Signature

Signed At: Endicott, NYDate: 6-10-99