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U.S. DEPARTMENT OF COMMERCE
Patent and Trademark Office

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

Jc503 U.S. PTO
09/28/133

03/31/99

1. Name of conveying parties: (1) Emanuele F. Lopercolo,
(2) Mark A. Brandon, (3) Arden S. Lake,
(4) Joseph M. Sullivan, Jr.Additional name(s) of conveying party(ies) attached? ☐ YES ☒ NO

3. Nature of Conveyance:

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

Execution Date: 3/22/99, 3/18/99, 3/22/99, 3/22/99

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

Name: International Business Machines Corporation

Street Address: New Orchard Road

City: Armonk State: New York ZIP: 10504

Additional 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:

3/22/99, 3/18/99, 3/22/99, 3/22/99.

A. Patent Application Number(s) _____

B. Patent Number(s) _____

FI9-98-199

Additional number(s) attached? ☐ YES ☒ NO

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

Name: Kevin R. Casey

Internal Address: Ratner & Prestia

Street Address: Suite 301, One Westlakes, Berwyn,

P.O. Box 980

Valley Forge, PA 19482-0980

Phone: (610) 407-0700

6. Total number of applications and patents involved: 1

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

☐ Enclosed (FI-159)☒ Authorized to be charged to deposit account

8. Deposit account number: 09-0458 (IBM Corporation)

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

04/08/1999 DNGUYEN 00000327 090458 09282133

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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.

Ira D. Blecker

Name of Person Signing

29,894

Registration. No.

Signature

Date

Total number of pages including cover sheet, attachments, and document: 3

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.: EH204560791US

Date of Deposit: March 31, 1999

Name of Person Making Deposit: RobinAnn Zeno

Signature: RobinAnn Zeno 3/31/99

ASSIGNMENT

WHEREAS, we, **Emanuele F. Lopergolo**, of **211 Hillcrest Manor Drive, Marlboro, New York 12542**, **Mark A. Brandon**, of **284 Vassar Road, Poughkeepsie, New York 12603**, **Arden S. Lake**, of **71 Fulton Street, Poughkeepsie, New York, 12601**, **Joseph M. Sullivan, Jr.**, of **11 Thompson Terrace, Wappingers Falls, New York 12590**, (hereinafter referred to as "**ASSIGNOR**") have made an invention entitled **PIN CONTACT MECHANISM FOR PLATING PIN GRID ARRAYS**, 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: **Emanuele F. Lopergolo**

Emanuele F. Lopergolo
Signature

Signed At: EAST FISHKILL, NY

Date: 3/22/99

ASSIGNOR #2:

Typed Name: **Mark A. Brandon**

Mark A. Brandon
Signature

Signed At: EAST FISHKILL

Date: 3/18/99

ASSIGNOR #3:

Typed Name: **Arden S. Lake**

Arden S. Lake
Signature

Signed At: EAST FISHKILL, NY

Date: 3-22-99

ASSIGNOR #4:

Typed Name: **Joseph M. Sullivan, Jr.**

Joseph M. Sullivan, Jr.
Signature

Signed At: EAST FISHKILL, NY

Date: 3/22/99