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FORM PTO-1595
P17250.P03

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03-25-1999



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09/147372

U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICE

To the Honorable Commissioner

and original documents or copy thereof.

1. Name of Conveying party(ies):
Ryo ENOMOTO

Name of receiving party(ies)

Name: IBIDEN CO., LTD.

300 Rec'd PCT/PTO 10 DEC 1998

Internal Address:

Street Address: 1. Kanda-cho 2-chome,

Ogaki-shi, Gifu 503 JAPAN

City: State: ZIP:

Additional name(s) and address(es) attached? Yes ☒ No

Additional name(s) of conveying party(ies) attached? Yes ☐ No ☒

3. Nature of conveyance:

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

Execution Date: November 25, 1998

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: November 25, 1998

A. Patent Application No.(s)

B. Patent No.(s)

09/147372

Additional numbers attached: Yes ☐ No ☒

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

Name: Bruce H. Bernstein

Internal Address: P17250

Street Address: GREENBLUM & BERNSTEIN, P.L.C.

1941 Roland Clarke Place

City: Reston State: VA ZIP: 20191

6. Total number of applications and patents involved: 1

7. Total Fee (37 CFR 3.41) \$ 40.00

☒ Enclosed

☐ Authorized to be charged to deposit account

8. Deposit account number:

19-0089

(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.

Bruce H. Bernstein, Reg. No. 29,027

Signature

Date

12/16/1998 MAIL ROOM 00000001 09147372

02 FC:581

Number of pages including cover sheet, attachments and document: 3

Mail documents to be recorded with required cover sheet information to:
Commissioner of Patents & Trademarks, Box Assignments
Washington, D.C. 20231

PATENT
REEL: 9834 FRAME: 0188

ASSIGNMENT

WHEREAS, Ryo ENOMOTO, a citizen of JAPAN, whose post office address is c/o Ibiden Co., Ltd., 1-1, Kitakata, Ibigawa-cho, Ibi-gun, Gifu 501-06 JAPAN, hereinafter referred to as the ASSIGNOR, has invented a certain improvement relating to

SINGLE-SIDED CIRCUIT SUBSTRATE FOR MULTILAYER
PRINTED WIRING BOARD, MULTILAYER PRINTED WIRING
BOARD AND METHOD OF MANUFACTURING THE SAME

for which he has, on the date indicated below, executed an application for Letters Patent of the United States to be filed in the United States Patent and Trademark Office.

AND WHEREAS, Ibiden Co., Ltd., a corporation organized and existing under the laws of Japan, whose post-office address is 1, Kanda-cho 2-chome, Ogaki-shi, Gifu 503 JAPAN, hereinafter known as the ASSIGNEE, is desirous of acquiring the entire right, title and interest for the United States in and to said invention and application, including any and all divisions and continuations thereof, and any and all Letters Patent which may be granted thereon, including any and all renewals, reissues, and prolongations thereof.

NOW, THIS WITNESSETH that for and in consideration of One Dollar (\$1.00) and other good and valuable consideration, the receipt whereof is hereby acknowledged, said ASSIGNOR hereby assigns, sells and transfers to said ASSIGNEE, its assigns and legal representatives, the entire and exclusive right, title and interest in and to said invention and application, for the United States including any and all divisions and continuations thereof, and any and all Letters Patent which may be granted therefor, said ASSIGNEE and its assigns and legal representatives to have, hold, exercise and enjoy the said invention and application, including any and all divisions and continuations thereof, and any and all Letters Patent which may be granted thereon, including any and all renewals, reissues and prolongations thereof, with all the rights, powers, privileges, and advantages in any ways arising from or pertaining thereto, for and during the term or terms of any and all such Letters Patent when granted, including any and all renewals, reissues, and prolongations thereof, for the use and benefit of said ASSIGNEE and its assigns and legal representatives in as ample and beneficial a manner to all intents and purposes as the said ASSIGNOR might or could have held and enjoyed the same, if this assignment had not been made.

AND said ASSIGNOR hereby agrees to execute all papers necessary to file applications in the United States for said invention and to assign the same to said ASSIGNEE, or any assignee acquiring title to said invention, and to execute any other papers that may be needed in connection with filing said application and securing Letters Patent thereon.

AND said ASSIGNOR authorizes and requests the Commissioner of Patents to issue Letters Patent on said application, and on any and all divisions and continuations thereof, to said ASSIGNEE, its assigns and legal representatives, in accordance herewith.

IN TESTIMONY WHEREOF, this assignment is executed by said ASSIGNOR, on the respective date indicated below.

Witnessed by:

Kazuhisa Hara Nov. 25, 1998
Name Date
Kazuhisa HARA

Takeo Niwa Nov. 25, 1998
Name Date
Takeo NIWA

Ryo Enomoto Nov. 25, 1998
Ryo ENOMOTO Date