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U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICE

09/889569

To the Honorable Commissioner



ed original documents or copy thereof.

1. Name of Conveying party(ies):
Takashi KARIYA

101833331

ss of receiving party(ies)

0 7/30/01

Name: IBIDEN CO., LTD.

Additional name(s) of conveying party(ies) attached? ___ Yes X No

Internal Address:

3. Nature of conveyance:

Street Address: 1, Kanda-cho 2-chome, Ogaki-shi,

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

Gifu 503-0917 JAPAN

Execution Date: July 4, 2001

City: State: ZIP:

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

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

09/889569

If this document is being filed together with a new application, the execution date of the application is: July 4, 2001

A. Patent Application No.(s)

B. Patent No.(s)

Additional numbers attached: ___ Yes X No

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

6. Total number of applications and patents involved: 1

Name: Bruce H. Bernstein

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

Internal Address: P21151

Enclosed

08/03/2001 MNGUYEN 00000080 09889569

Authorized to be charged to deposit account

03 FC:581 40.00 DP

8. Deposit account number:

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

19-0089

1941 Roland Clarke Place

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

City: Reston State: VA ZIP: 20191

DO NOT USE THIS SPACE

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

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

7/30/01
Date

Name of Person Signing

Signature

Date

Total 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: 012123 FRAME: 0036

ASSIGNMENT

WHEREAS, **Takashi Kariya**, a citizen of Japan, whose post office address is c/o Ibiden Co., Ltd., 1-1, Kitakata, Ibigawa-cho, Ibi-gun, Gifu 501-0601, Japan, hereinafter referred to as the ASSIGNOR, has invented a certain improvement relating to

Copper-Clad Laminate, Circuit Board For Printed Wiring Board, And Method For Producing The Circuit Board

for which he has executed an application for Letters Patent for the United States in the United States Patent and Trademark Office even date herewith.

If this Assignment is filed after the filing date of the above-identified application, the undersigned hereby authorize and request any one of the attorneys of record in this application, including Neil F. Greenblum, Reg. No. 28,394, Bruce H. Bernstein, Reg. No. 29,027, Arnold Turk, Reg. No. 33,094, and James L. Rowland, Reg. No. 32,674, of the firm Greenblum & Bernstein, P.L.C., whose address is 1941 Roland Clarke Place, Reston, Virginia 20191, to insert here in parenthesis (Application No. _____, filed _____) the filing date and application number of said application when known.

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 503-0917, 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:

Tomohiro Nishikawa 2001.7.4
Name Date
Tomohiro NISHIKAWA

Takashi Kariya 2001.7.4
Takashi Kariya Date

Takeo Niwa 2001.7.4
Name Date
Takeo NIWA