

07-11-2001



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uments or copy thereof.

1. Name of conveying party(ies): (If multiple assignors, list numerically)

(1) Masayuki Ishiwa; (2) Kenji Iizuka and
(3) Takeshi NishimuraAdditional name(s) of conveying party(ies) attached?
() Yes (X) No

3. Nature of conveyance:

- (x) Assignment
() Merger
() Security Agreement
() Change of Name
() Other:

Execution Date: (If multiple assignors, list execution dates in numerical order corresponding to numbers indicated in 1 above) (1) March 7, 2001; (2) March 7, 2001; (3) March 7, 2001

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

Name: The Furukawa Electric Co., Ltd.
Address: 6-1, Marunouchi 2-chome, Chiyoda-ku,
Tokyo 100-8322, JapanAdditional name(s) of receiving party(ies) attached?
() Yes (X) No

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

() Application(s) filed herewith Execution Date(s):

(X) Patent Application No.: 09/779,691
Filing Date: February 7, 2001() Patent No.:
Issue Date:

Additional numbers attached? () Yes (X) No

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

Name: Thomas R. Arno
KNOBBE, MARTENS, OLSON & BEAR, LLP
Customer No. 20,995**Internal Address:** Sixteenth Floor
Street Address: 620 Newport Center Drive
City: Newport Beach **State:** CA **ZIP:** 92660
Attorney's Docket No.: SANWA1.001AUS

7. Total fee (37 CFR 3.41): \$40

(X) Enclosed
() Authorized to be charged to deposit account

8. Deposit account number: 11-1410

Please charge this account for any additional fees which may be required, or credit any overpayment to this account.

6. Total number of applications and patents involved: One

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.

Thomas R. Arno
Name of Person Signing

Signature

Date

40,490
Registration No.

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

Mail documents to be recorded with required cover sheet information to:

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U.S. Patent and Trademark Office
Attn: Assignment Division
Crystal Gateway-4
1213 Jefferson Davis Highway, Suite 320
Arlington, VA 22202

ASSIGNMENT

- WHEREAS, WE, (1) Masayuki ISHIWA, a Japanese citizen, residing at:
5951-54, Okazaki, Hiratsuka-shi, Kanawaga, Japan
- (2) Kenji IIZUKA, a Japanese citizen, residing at:
109-4-202, Shindo, Hiratsuka-shi, Kanagawa, Japan
- (3) Takeshi NISHIMURA, a Japanes citizen, residing at:
99-5-1001, Sengencho 2-chome, Nishi-ku, Yokohama-shi,
Kanagawa, Japan

hereinafter referred to as Assignor (collectively if more than one inventor is listed above), have invented certain new and useful improvements in MULTILAYER CIRCUIT BOARD, the specification of which:

- (a) ☐ is attached hereto; or
- (b) ☒ was filed on February 7, 2001 as Application No. 09/779,691
or Express Mail No. EL 739676927 US, as Application No. not yet known; or
- (c) ☐ was described and claimed in PCT International Application No. _____
filed on _____
and as amended under PCT Article 19 on _____ (if any)
and/or under PCT Article 34 on _____ (if any).

AND WHEREAS, THE FURUKAWA ELECTRIC CO., LTD., a corporation organized under the Laws of Japan, with its principal place of business at 6-1, Marunouchi 2-chome, Chiyoda-ku, Tokyo 100-8322, Japan, (hereinafter referred to as Assignee) desires to acquire the entire right, title, and interest in and to the said improvements with respect to the United States of America, its territories and possessions.

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, Assignor hereby acknowledges that it has sold, assigned, transferred and set over, and by these presents does hereby sell, assign, transfer and set over, unto Assignee, its successors, legal representatives and assigns, the entire right, title, and interest in the United States of America, and its territories and possessions in, to and under said improvements, and any Patent Applications in the United States of America and all divisions, renewals and continuations thereof, and all Patents of the United States of America which may be granted thereon and all reissues and extensions thereof, and all rights of priority under International Conventions; and Assignor hereby authorizes and requests the Commissioner of Patents of the United States of America to issue all Patents for said improvements to Assignee, its successors, legal representatives and assigns, in accordance with the terms of this instrument.

AND ASSIGNOR HEREBY covenants and agrees that it will communicate to Assignee, its successors, legal representatives and assigns, any facts known to it respecting said improvements, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuing and reissue applications, make all rightful oaths and generally do everything possible to aid Assignee, its successors, legal representatives and assigns, to obtain and enforce proper patent protection for said improvements in the United States of America.

IN TESTIMONY WHEREOF, Assignor intending to be legally bound has hereunto affixed its signature.

This 7th day of March, 2001 Masayuki Ishiwa
Signature of Masayuki ISHIWA

This 7th day of March, 2001 Kenji Iizuka
Signature of Kenji IIZUKA

This 7th day of March, 2001 Takeshi Nishimura
Signature of Takeshi NISHIMURA

Witnesses:

Signature: M. Sato
Masatoshi SATO

Date: March 7, 2001

Signature: Gen OGAWA
Gen OGAWA

Date: March 7, 2001

Serial No.: _____ Filing Date: February 7, 2001