

12-30-1998

EET

Attorney Docket Number
7565-052



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1. Name of conveying party(ies): 12-15-98
Michio Horiuchi; Yukiharu Takeuchi
and Eiji Yoda

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

3. Nature of conveyance:
 Assignment Merger
 Security Agreement Change of Name
 Other _____

Execution Date: December 4, 1998

2. Name and address of receiving party(ies):
Name: SHINKO ELECTRIC INDUSTRIES CO., LTD.

Address: 711, Aza Shariden, Oaza Kurita, Nagano-shi, Nagano 380-921

Country (if other than USA): JAPAN

09211806

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: December 4, 1998

A. Patent Application No.(s) _____ B. Patent No.(s) _____

Additional numbers attached? Yes No

5. Name and address of party to whom correspondence concerning document should be mailed:
PENNIE & EDMONDS LLP
1155 Avenue of the Americas
New York, NY 10036

6. Number of applications and patents involved: 1

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

Allan A. Fanucci 30,256 Allan A. Fanucci 12/15/98
Name of Person Signing Reg. No. Signature Date

Total number of pages including cover sheet: 2

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U.S. ASSIGNMENT

IN CONSIDERATION of the sum of One Dollar (\$1.00), and of other good and valuable consideration paid to the undersigned inventor(s) (hereinafter "ASSIGNOR") by

(Insert
ASSIGNEE's
Name(s)
Address(es))

SHINKO ELECTRIC INDUSTRIES CO., LTD.

711, Aza Shariden, Oaza Kurita, Nagano-shi, Nagano 380-0921, Japan

(hereinafter "ASSIGNEE"), the receipt of which is hereby acknowledged, the undersigned ASSIGNOR hereby sells, assigns and transfers to ASSIGNEE the entire and exclusive right, title and interest to the invention entitled

(Title of
Invention)

MULTI-LAYER CIRCUIT BOARD

relating to International Patent Application PCT/JP _____/_____ and/or for which application for Letters Patent of the United States was executed on even date herewith or, if not so executed, was:

(Insert date
of execution
of application,
if not
concurrent)

(a) executed on _____ ;
(b) filed on _____ ;
Serial No. _____ / _____ ;

(_____) is hereby authorized to insert in (b) the specified data, when known.

and to said application and all Letters Patent(s) of the United States granted on said application and any continuation, division, renewal, substitute, reissue or reexamination application based thereon, for the full term or terms for which the said Letters Patent(s) may be granted and including any extensions thereof (collectively, hereinafter, "said application(s) and Letters Patent(s)").

The ASSIGNOR agree(s), when requested by said ASSIGNEE and without charge to but at the expense of said ASSIGNEE, to do all acts which the ASSIGNEE may deem necessary, desirable or expedient, for securing, maintaining and enforcing protection for said invention, including in the preparation and prosecution of said application(s) and the issuance of said Letters Patent(s), in any interference, reissue, reexamination, or public use proceeding, and in any litigation or other legal proceeding which may arise or be declared in relation to same, such acts to include but not be limited to executing all papers, including separate assignments and declarations, taking all rightful oaths, providing sworn testimony, and obtaining and producing evidence.

IN WITNESS WHEREOF, the undersigned inventor(s) has (have) affixed his/her/their signature(s).

(Signatures)

1) <u><i>Michio Horiuchi</i></u> (SIGNATURE)	<u>Michio Horiuchi</u> (TYPE NAME)	<u>December 4, 1998</u> (DATE)
2) <u><i>Yukiharu Takeuchi</i></u> (SIGNATURE)	<u>Yukiharu Takeuchi</u> (TYPE NAME)	<u>December 4, 1998</u> (DATE)
3) <u><i>Eiji Yoda</i></u> (SIGNATURE)	<u>Eiji Yoda</u> (TYPE NAME)	<u>December 4, 1998</u> (DATE)
4) _____ (SIGNATURE)	_____ (TYPE NAME)	_____ (DATE)
5) _____ (SIGNATURE)	_____ (TYPE NAME)	_____ (DATE)
6) _____ (SIGNATURE)	_____ (TYPE NAME)	_____ (DATE)
7) _____ (SIGNATURE)	_____ (TYPE NAME)	_____ (DATE)
8) _____ (SIGNATURE)	_____ (TYPE NAME)	_____ (DATE)