

01-27-2003

FORM PTO-1595

REC

U.S. DEPARTMENT OF COMMERCE



102347813  
PATENTS ONE!

2001 Staas & Halsey LLP

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

10/31/02  
10/31/02  
01/22/03

1. Name of conveying party(ies):  
Akio ROKUGAWA  
Takahiro IIJIMA

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

SHINKO ELECTRIC INDUSTRIES CO., LTD.  
711, Aza Shariden, Oaza Kurita  
Nagano-shi Nagano 380-0921 Japan

1-22-03

3. Nature of conveyance:

Assignment  Merger  
 Security Agreement  Change of Name  
 Other: \_\_\_\_\_

Execution Date(s): January 10, 2003

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

This document is being filed together with a new application:

(a) The execution date(s) of the application is/are: January 10, 2003

(b) The title is: MULTILAYERED CIRCUIT SUBSTRATE, SEMICONDUCTOR DEVICE AND METHOD OF PRODUCING SAME

OR

This document is being filed after filing of the application:

(a) Patent Application No(s). \_\_\_\_\_, filed \_\_\_\_\_; or

(b) Patent No(s). \_\_\_\_\_, issued \_\_\_\_\_

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

STAAS & HALSEY LLP Our Docket: 300.1105  
Attention: J. Randall Beckers  
700 Eleventh Street, N.W., Suite 500  
Washington, D.C. 20001

101347602

6. Total number of applications and patents involved: 1

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

Enclosed  
 Authorized to be charged to deposit account.

8. Deposit Account No.: 19-3935 (Any underpayment is authorized to be charged to this Deposit Account)  
(Attach duplicate copy of this page if paying by deposit account)

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.*

J. Randall Beckers, Reg. No. 30,358  
Name of Person Signing

Signature

January 22, 2003  
Date

Total number of pages including cover sheet: 2

DO NOT USE THIS SPACE

00/00/2003 ENCLVEN 00000026 10347602

03 FC:8021

(40.00 DP)

PATENT  
REEL: 013682 FRAME: 0789

# 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)

MULTILAYERED CIRCUIT SUBSTRATE, SEMICONDUCTOR DEVICE AND

METHOD OF PRODUCING SAME

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>Akio Rokugawa</u> (SIGNATURE)	<u>Akio Rokugawa</u> (TYPE NAME)	<u>January 10, 2003</u> (DATE)
2) <u>Takahiro Iijima</u> (SIGNATURE)	<u>Takahiro Iijima</u> (TYPE NAME)	<u>January 10, 2003</u> (DATE)
3) _____ (SIGNATURE)	_____ (TYPE NAME)	_____ (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)