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Docket No.: 281-01

FORM PTO-1595 (Modified)  
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OMB No. 0651-0027 (exp. 5/31/2002)  
P08A/REV03

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U.S. DEPARTMENT OF COMMERCE

Patent and Trademark



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

1. Name of conveying party(ies):

Naohiro Mashino

10.23.01

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

Name: Shinko Electric Industries Co.,LTD

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

Additional names(s) of conveying party(ies)  Yes  No

3. Nature of conveyance:

- Assignment  Merger
- Security Agreement  Change of Name
- Other

Execution Date: October 15, 2001

Additional name(s) & address(es)  Yes  No

City: Nagano State/Prov.:

Country: Japan ZIP: 380-0921

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

If this document is being filed together with a new application, the execution date of the application is: October 15, 2001

Patent Application No. Filing date

10/003448

B. Patent No.(s)

Additional numbers  Yes  No

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

Name: John F. McNulty, Esquire

Registration No. 23,028

Address: Paul & Paul

2900 Two Thousand Market Street

12/12/2001 ANNE1 00000166 10003448

01 FC:581 40.00 OP

City: Philadelphia, State/Prov.: Pa

Country: USA ZIP: 19103

6. Total number of applications and patents involved: 1

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

- Enclosed - Any excess or insufficiency should be credited or debited to deposit account
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8. Deposit account number:

16-0750

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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.

John F. McNulty, Esquire

Name of Person Signing

Signature

October 23, 2001

Date

2

Total number of pages including cover sheet, attachments, and

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Washington, D.C. 20231

PATENT  
REEL: 012355 FRAME: 0412

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

rt  
GNEB's  
c(s)  
ress(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

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ition)

SEMICONDUCTOR DEVICE AND PRODUCTION PROCESS THEREOF

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:

t date  
ution  
lication,  
rent)

(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).

ures)

1) Naohiro Mashino Naohiro Mashino October 15, 2001  
(SIGNATURE) (TYPE NAME) (DATE)  
2) \_\_\_\_\_  
(SIGNATURE) (TYPE NAME) (DATE)  
3) \_\_\_\_\_  
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4) \_\_\_\_\_  
(SIGNATURE) (TYPE NAME) (DATE)  
5) \_\_\_\_\_  
(SIGNATURE) (TYPE NAME) (DATE)  
6) \_\_\_\_\_  
(SIGNATURE) (TYPE NAME) (DATE)