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07-12-2006

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112919 U.S. PTO  
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**Conveying Party (ies):** (Last, First, Middle Initial)                      Execution Date

First party      Name:              **HIGASHI, Mitsutoshi**                      **June 13, 2006**

Second party      Name:

Third party      Name:

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

**Receiving Party (ies):**

First party      Name:              **SHINKO ELECTRIC INDUSTRIES CO., LTD.**

Address:              **80, Oshimada-machi, Nagano-shi, Nagano 381-2287 Japan**

Second party      Name:

Address:

Additional name(s) & address(es) attached? Yes \_\_\_ No XX

**Domestic Representative Name and Address**

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**Pages** Enter the total number of pages of the attached conveyance document: 1  
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**Application Number(s) or Patent Number(s)** Additional numbers attached? Yes ☐ No ☒

A. Patent Application No.(s)

B. Patent No.(s)

If this document is being filed together with a new application, enter the date the application was signed by the first named executing inventor: June 13, 2006

(Do not recite both application and patent numbers.)

**Patent Cooperation Treaty (PCT)**

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**Number of Properties** Enter the total number of properties involved: 1

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Fee Amount for Properties Listed (37 CFR 3.41). . . . . \$40.00

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**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.

Mel R. Quintos

Name of Person Signing

Mel R. Quintos  
Signature

July 5, 2006

Date

31,898

Registration No.

Rev. 11/00

MRQ:jaz

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11/480525



070506

**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.**  
**80, Oshimada-machi, Nagano-shi, Nagano 381-2287 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)

**CIRCUIT SUBSTRATE AND METHOD OF MANUFACTURING THE SAME**

(\*If the assignment is  
being filed after the  
filing of the  
application, this  
section must be  
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for which application for Letters Patent of the United States was executed on even date herewith unless otherwise indicated below:

\* filed on \_\_\_\_\_ Serial No. \_\_\_\_\_

(Armstrong, Kratz, Quintos, Hanson & Brooks, LLP is hereby authorized to insert the serial code, serial number and/or filing date hereon, when known)

and all Letters Patent of the United States to be obtained therefor on said application or any continuation, divisional, substitute, reissue or reexamination thereof for the full term or terms for which the same may be granted.

The ASSIGNOR agrees to execute all papers necessary in connection with the application and any continuation, divisional, reissue or reexamination applications thereof and also to execute separate assignments in connection with such applications as the ASSIGNEE may deem necessary or expedient.

The ASSIGNOR agrees to execute all papers necessary in connection with any interference, litigation, or other legal proceeding which may be declared concerning this application or any continuation, divisional, reissue or reexamination thereof or Letters Patent or reissue patent issued thereon and to cooperate with the ASSIGNEE in every way possible in obtaining and producing evidence and proceeding with such interference, litigation, or other legal proceeding.

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

(Signatures)

Mitsutoshi Higashi  
(Signature)

Mitsutoshi HIGASHI  
(Type Name)

June 13, 2006  
(Date)

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(Signature)

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NO LEGALIZATION REQUIRED

**PATENT**

**RECORDED: 07/05/2006**

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