

PATENT ASSIGNMENT

Electronic Version v1.1

Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT										
NATURE OF CONVEYANCE:	ASSIGNMENT										
CONVEYING PARTY DATA											
<table border="1"><thead><tr><th>Name</th><th>Execution Date</th></tr></thead><tbody><tr><td>Shigetsugu MURAMATSU</td><td>08/22/2011</td></tr><tr><td>Satoshi SUNOHARA</td><td>08/22/2011</td></tr></tbody></table>		Name	Execution Date	Shigetsugu MURAMATSU	08/22/2011	Satoshi SUNOHARA	08/22/2011				
Name	Execution Date										
Shigetsugu MURAMATSU	08/22/2011										
Satoshi SUNOHARA	08/22/2011										
RECEIVING PARTY DATA											
<table border="1"><tr><td>Name:</td><td>Shinko Electric Industries Co., Ltd.</td></tr><tr><td>Street Address:</td><td>80, Oshimada-machi, Nagano-shi</td></tr><tr><td>City:</td><td>Nagano-ken</td></tr><tr><td>State/Country:</td><td>JAPAN</td></tr><tr><td>Postal Code:</td><td>381-2287</td></tr></table>		Name:	Shinko Electric Industries Co., Ltd.	Street Address:	80, Oshimada-machi, Nagano-shi	City:	Nagano-ken	State/Country:	JAPAN	Postal Code:	381-2287
Name:	Shinko Electric Industries Co., Ltd.										
Street Address:	80, Oshimada-machi, Nagano-shi										
City:	Nagano-ken										
State/Country:	JAPAN										
Postal Code:	381-2287										
PROPERTY NUMBERS Total: 1											
<table border="1"><thead><tr><th>Property Type</th><th>Number</th></tr></thead><tbody><tr><td>Application Number:</td><td>13239630</td></tr></tbody></table>		Property Type	Number	Application Number:	13239630						
Property Type	Number										
Application Number:	13239630										
CORRESPONDENCE DATA											
Fax Number: (877)769-7945											
Phone: (617) 542-5070											
Email: apsi@fr.com											
<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US Mail.</i>											
Correspondent Name: Timothy A. French											
Address Line 1: FISH & RICHARDSON P.C.											
Address Line 2: P.O.BOX 1022											
Address Line 4: MINNEAPOLIS, MINNESOTA 55440-1022											
ATTORNEY DOCKET NUMBER:	30536-0006001										
NAME OF SUBMITTER:	Rita M. Liston										
Total Attachments: 1 source=30536_0006001Assign#page1.tif											

CH \$40.00 13239630

501671608

PATENT
REEL: 026968 FRAME: 0053

ASSIGNMENT OF APPLICATION

For good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, the undersigned inventor(s) hereby:

1) Sell(s), assign(s) and transfer(s) to

SHINKO ELECTRIC INDUSTRIES CO., LTD.

(hereinafter referred to as "ASSIGNEE"), which has a business office at

80, Oshimada-machi, Nagano-shi, Nagano-ken 381-2287 Japan,

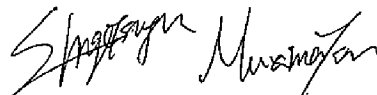
the entire right, title, and interest in any and all inventions and improvements disclosed in, application(s) based upon, and Patent(s) granted upon the information which is disclosed in the application entitled: **WIRING SUBSTRATE, SEMICONDUCTOR DEVICE, AND METHOD FOR MANUFACTURING WIRING SUBSTRATE**


(File No. _____) for which I(we) have executed an application for a United States Letters Patent on August 22, 2011.
(Application Serial No. _____ filed on _____.)

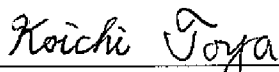
2) Authorize and request the Commissioner of Patents to issue any and all Letters Patents resulting from said application, or any division, continuation, substitute or reissue thereof, to the ASSIGNEE.

3) Agree to execute all papers and documents and perform any acts which are reasonably necessary in connection with the prosecution of said application, as well as any derivative applications thereof and/or the enforcement of patents resulting from such applications.

Signed on the date(s) indicated beside my(our) signature(s).

1)  Date: August 22, 2011
Name: Shigetsugu MURAMATSU

2)  Date: August 22, 2011
Name: Satoshi SUNOHARA

Witness:  Date: August 23, 2011