

## 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>Yasuyuki Kimura</td> <td>10/16/2012</td> </tr> <tr> <td>Tadashi Arai</td> <td>10/16/2012</td> </tr> <tr> <td>Tsuyoshi Kobayashi</td> <td>10/16/2012</td> </tr> <tr> <td>Toshiyuki Okabe</td> <td>10/16/2012</td> </tr> </tbody> </table>	Name	Execution Date	Yasuyuki Kimura	10/16/2012	Tadashi Arai	10/16/2012	Tsuyoshi Kobayashi	10/16/2012	Toshiyuki Okabe	10/16/2012	
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Toshiyuki Okabe	10/16/2012										
RECEIVING PARTY DATA											
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Postal Code:	381-2287										
PROPERTY NUMBERS Total: 1											
Property Type	Number										
Application Number:	13667540										
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NAME OF SUBMITTER:	Rita M. Liston										
Total Attachments: 1 source=30536_0013001_Assign#page1.tif											

CH \$40.00 13667540

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:

SUBSTRATE, LIGHT EMITTING DEVICE AND METHOD FOR  
MANUFACTURING SUBSTRATE

(File No. \_\_\_\_\_) for which I(we) have executed an application for a United States Letters Patent on October 16, 2012.  
(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) Yasuyuki KIMURA Date: Oct. 16, 2012  
Name: Yasuyuki KIMURA

2) Tadashi Arai Date: Oct. 16, 2012  
Name: Tadashi ARAI

3) Tsuyoshi Kobayashi Date: Oct. 16, 2012  
Name: Tsuyoshi KOBAYASHI

4) Toshiyuki Okabe Date: Oct. 16, 2012  
Name: Toshiyuki OKABE

Witness: Koichi Ioya Date: Oct. 24 2012