

## PATENT ASSIGNMENT COVER SHEET

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<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
KEI IMAFUJI	10/14/2016
KEIJI YOSHIKAWA	10/14/2016
HIROKAZU YOSHINO	10/14/2016
KENTA UCHIYAMA	10/24/2016
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<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	15381916
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<b>ATTORNEY DOCKET NUMBER:</b>	OTI-026268 US ORD
<b>NAME OF SUBMITTER:</b>	CHRISTOPHER P. HARRIS
<b>SIGNATURE:</b>	/Christopher P Harris/
<b>DATE SIGNED:</b>	12/19/2016
<b>Total Attachments: 1</b>	
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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 AND SEMICONDUCTOR DEVICE

(File No. OTI-026268 US ORD) for which I(we) have executed an application for a United States Letters Patent on October 14 and 24, 2016.  
(Application Serial No. 15/381916 filed on 16 December 2016.)

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) Kei Imafuji Date: October 14, 2016  
Name: Kei IMAFUJI

2) Keiji Yoshizawa Date: October 14, 2016  
Name: Keiji YOSHIZAWA

3) Hirokazu Yoshino Date: October 14, 2016  
Name: Hirokazu YOSHINO

4) Kenta Uchiyama Date: October 24, 2016  
Name: Kenta UCHIYAMA

Witness: Koichi Taja Date: October 27, 2016