

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT5535941

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
TAKASHI ARAI	04/10/2019
RECEIVING PARTY DATA	
Name:	SHINKO ELECTRIC INDUSTRIES CO., LTD.
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PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	16419597
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DATE SIGNED:	05/22/2019
Total Attachments: 1	
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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

for which I(we) have executed an application for a United States Letters Patent on April 10, 2019. (Application Serial No. 16/419597 filed on 22 May 2019.)

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) Takashi Arai Date: April 10, 2019
Name: Takashi ARAI

Witness: Koichi Taya Date: Apr. 12, 2019