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PATENT ASSIGNMENT COVER SHEET

NEW ASSIGNMENT

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SUBMISSION TYPE:

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NATURE OF CONV	EYANCE:	ASSIGNMENT				
CONVEYING PART	Y DATA					
Name				Execution Date		
KAZUNAO YAMAMOTO			03/16/2011			
RECEIVING PARTY DATA						
Name:	SHINKO ELECTRIC INDUSTRIES CO., LTD.					
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ATTORNEY DOCKET NUMBER: 110088

NAME OF SUBMITTER: WILLIAM G. KRATZ, JR.

Signature: //WGK/

Date: 01/06/2014

Total Attachments: 1

Fax Number:

Correspondent Name:

Phone:

Email:

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PATENT REEL: 031894 FRAME: 0595

U.S. ASSIGNMENT

(Insert ASSIGNEE's Name(s) Address(es))

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 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)

OPTOELECTRONIC COMPOSITE SUBSTRATE AND METHOD OF MANUFACTURING THE SAME

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

* filed on <u>April 5,2011</u>, Serial No. <u>13/079,951</u>.

(Kratz, Quintos & Hanson, 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)

Razunao Yamamato (Signature)	Kazunao YAMAMOTO	March 16, 2011	
(Signature)	(Type Name)	(Date)	
(Signature)	(Type Name)	(Date)	
(Signature)	(Type Name)	(Date)	
(Signature)	(Type Name)	(Date)	
(Signature)	(Type Name)	(Date)	
(Signature)	(Type Name)	(Date)	

NO LEGALIZATION REQUIRED

PATENT REEL: 031894 FRAME: 0596