501771246 12/29/2011

PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
Takanori YAMAMOTO	11/04/2011
Hideki YONEKURA	11/04/2011
Kenji YANAGISAWA	11/04/2011
Kazunao YAMAMOTO	11/04/2011

RECEIVING PARTY DATA

Name:	Shinko Electric Industries Co., Ltd.	
Street Address:	80, Oshimada-machi,	
City:	Nagano-shi, Nagano	
State/Country:	JAPAN	
Postal Code:	381-2287	

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	13302116

CORRESPONDENCE DATA

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ATTORNEY DOCKET NUMBER:	110364
NAME OF SUBMITTER:	Darren Crew

Total Attachments: 1

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PATENT REEL: 027457 FRAME: 0292 \$40.00 1330

Docket No	110364
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Kratz, Quintos & Hanson, LLP

	U.S. Ass	IGNMENT			
(Insert ASSIGNEE's	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.,				
Name(s) Address(es))	80, Oshimada-machi, Nagano-shi,	Nagano 381-2287 Japan			
	(hereinafter ASSIGNEE), the receipt ASSIGNOR hereby sells, assigns and and interest to the invention entitled:	d transfers to ASSIGNEE the entire a			
(Title of Invention)	OPTICAL WAVEGUIDE AN	D METHOD OF MANUFACTU	URING THE SAME,		
	AND OPTICAL WAVEGUID	E DEVICE			
(*If the assignment is being filed after the filing of the	for which application for Letters Paunless otherwise indicated below:		uted on even date herewith		
application, this section must be completed)	* filed on November 22, 2011, Serial No. 13/302,116				
· ·	(Kratz, Quintos & Hanson, LLP is filing date hereon, when known)	s hereby authorized to insert the seria	al code, serial number and/or		
	and all Letters Patent of the Unit continuation, divisional, substitute, which the same may be granted.	ed States to be obtained therefor reissue or reexamination thereof fo	on said application or any r the full term or terms for		
	The ASSIGNOR agrees to execute continuation, divisional, reissue or assignments in connection with suexpedient.	reexamination applications thereof a	and also to execute separate		
	The ASSIGNOR agrees to execut litigation, or other legal proceedin continuation, divisional, reissue or thereon and to cooperate with the evidence and proceeding with such i	g which may be declared concern reexamination thereof or Letters Pat ASSIGNEE in every way possible	ing this application or any ent or reissue patent issued in obtaining and producing		
	IN WITNESS WHEREOF, the under	ersigned inventor(s) has (have) affixed	ed his/her/their signature(s).		
(Signatures)	of gamanoto	Takanori YAMAMOTO	November 4, 2011		
	(Signature)	(Type Name)	(Date)		
	Midel Cronokero	Hideki YONEKURA	November 4, 2011		
2	(Signature)	(Type Name)	(Date)		
	Kenji Ynneyisawa	Kenji YANAGISAWA	November 4, 2011		
	(Signature)	(Type Name)	(Date)		
	Sidehi Gonehura (Signature) (Signature) Kozunow Yomamotto	Kazunao YAMAMOTO	November 4, 2011		

(Type Name)

(Type Name)

(Type Name)

NO LEGALIZATION REQUIRED

RECORDED: 12/29/2011

(Signature)

(Signature)

PATENT REEL: 027457 FRAME: 0293

(Date)

(Date)

(Date)