

PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT										
NATURE OF CONVEYANCE:	ASSIGNMENT										
CONVEYING PARTY DATA											
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 70%;">Name</th> <th style="width: 30%;">Execution Date</th> </tr> </thead> <tbody> <tr> <td>Takanori YAMAMOTO</td> <td>10/29/2010</td> </tr> <tr> <td>Kenji YANAGISAWA</td> <td>10/29/2010</td> </tr> <tr> <td>Kazunao YAMAMOTO</td> <td>10/29/2010</td> </tr> <tr> <td>Hideki YONEKURA</td> <td>10/29/2010</td> </tr> </tbody> </table>		Name	Execution Date	Takanori YAMAMOTO	10/29/2010	Kenji YANAGISAWA	10/29/2010	Kazunao YAMAMOTO	10/29/2010	Hideki YONEKURA	10/29/2010
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<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 20%;">Name:</td> <td>Shinko Electric Industries Co., Ltd.</td> </tr> <tr> <td>Street Address:</td> <td>80, Oshimada-machi,</td> </tr> <tr> <td>City:</td> <td>Nagano-shi, Nagano</td> </tr> <tr> <td>State/Country:</td> <td>JAPAN</td> </tr> <tr> <td>Postal Code:</td> <td>381-2287</td> </tr> </table>		Name:	Shinko Electric Industries Co., Ltd.	Street Address:	80, Oshimada-machi,	City:	Nagano-shi, Nagano	State/Country:	JAPAN	Postal Code:	381-2287
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CORRESPONDENCE DATA											
<p>Fax Number: (202)887-0357</p> <p><i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i></p> <p>Phone: 202-659-2930</p> <p>Email: rpelayo@kqhpatentlaw.com</p> <p>Correspondent Name: Kratz, Quintos & Hanson, LLP</p> <p>Address Line 1: 4th Floor 1420 K Street, N.W.</p> <p>Address Line 4: Washington, DISTRICT OF COLUMBIA 20005</p>											
ATTORNEY DOCKET NUMBER:	100302										
NAME OF SUBMITTER:	Donald W. Hanson										
<p>Total Attachments: 1</p> <p>source=100302 Assignment#page1.tif</p>											

CH \$40.00 12946198

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PATENT
 REEL: 025391 FRAME: 0300

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)

OPTICAL WAVEGUIDE DEVICE 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 November 15, 2010, Serial No. 12/946,198.

(Kratz, Quintos & Hanson, LLP is hereby authorized to insert the serial code, serial number and/or filing date hereon, when known)


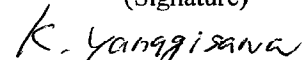
and all Letters Patent of the United States to be obtained therefor on said application or any continuation, divisional, substitute, reissue or reexamination thereof for the full term or terms for which the same may be granted.

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)


(Signature)**Takanori YAMAMOTO**
(Type Name)October 29, 2010
(Date)
(Signature)**Kenji YANAGISAWA**
(Type Name)October 29, 2010
(Date)
(Signature)**Kazunao YAMAMOTO**
(Type Name)October 29, 2010
(Date)
(Signature)**Hideki YONEKURA**
(Type Name)October 29, 2010
(Date)

(Signature)

(Type Name)

(Date)

(Signature)

(Type Name)

(Date)

NO LEGALIZATION REQUIRED

PATENT