

## PATENT ASSIGNMENT

Electronic Version v1.1  
 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT										
NATURE OF CONVEYANCE:	ASSIGNMENT										
CONVEYING PARTY DATA											
<table border="1"> <thead> <tr> <th>Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>Yukihiro TSUCHIDA</td> <td>02/17/2012</td> </tr> <tr> <td>Kazunori MUKASA</td> <td>02/17/2012</td> </tr> </tbody> </table>		Name	Execution Date	Yukihiro TSUCHIDA	02/17/2012	Kazunori MUKASA	02/17/2012				
Name	Execution Date										
Yukihiro TSUCHIDA	02/17/2012										
Kazunori MUKASA	02/17/2012										
RECEIVING PARTY DATA											
<table border="1"> <tr> <td>Name:</td> <td>FURUKAWA ELECTRIC CO., LTD.</td> </tr> <tr> <td>Street Address:</td> <td>2-3, Marunouchi 2-chome, Chiyoda-ku</td> </tr> <tr> <td>City:</td> <td>Tokyo</td> </tr> <tr> <td>State/Country:</td> <td>JAPAN</td> </tr> <tr> <td>Postal Code:</td> <td>100-8322</td> </tr> </table>		Name:	FURUKAWA ELECTRIC CO., LTD.	Street Address:	2-3, Marunouchi 2-chome, Chiyoda-ku	City:	Tokyo	State/Country:	JAPAN	Postal Code:	100-8322
Name:	FURUKAWA ELECTRIC CO., LTD.										
Street Address:	2-3, Marunouchi 2-chome, Chiyoda-ku										
City:	Tokyo										
State/Country:	JAPAN										
Postal Code:	100-8322										
PROPERTY NUMBERS Total: 1											
<table border="1"> <thead> <tr> <th>Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>13422937</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13422937						
Property Type	Number										
Application Number:	13422937										
CORRESPONDENCE DATA											
<p>Fax Number: (703)413-2220          Phone: 7034133000          Email: sjones@oblon.com  <i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US Mail.</i>          Correspondent Name: Oblon Spivak LLP          Address Line 1: 1940 Duke St          Address Line 4: Alexandria, VIRGINIA 22314</p>											
ATTORNEY DOCKET NUMBER:	396490US8CONT										
NAME OF SUBMITTER:	Shanele Jones										
Total Attachments: 1 source=396490USassgn#page1.tif											

OP \$40.00 13422937

# U.S. ASSIGNMENT

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  
(Insert Name(s) & Address(es) of ASSIGNEE(S))

FURUKAWA ELECTRIC CO., LTD.

2-3, Marunouchi 2-chome, Chiyoda-ku, Tokyo 100-8322 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 FIBER

relating to International Patent Application PCT/JP2011/066462 and/or for which application for Letters Patent of the United States was executed on even date herewith or, if not so executed, was:

(a) executed on \_\_\_\_\_; (Insert date of execution of application, if not concurrent)

(b) filed on March 16, 2012

Serial No. 13 / 422,937

Assignee's attorney is hereby authorized to insert in (b) the specified data, when known.

and to said application and all Letters Patent(s) of the United States granted on said application and any continuation, division, renewal, substitute, reissue or reexamination application based thereon, for the full term or terms for which the said Letters Patent(s) may be granted and including any extensions thereof (collectively, hereinafter, "said application(s) and Letters Patent(s)").

The ASSIGNOR agree(s), when requested by said ASSIGNEE and without charge to but at the expense of said ASSIGNEE, to do all acts which the ASSIGNEE may deem necessary, desirable or expedient, for securing, maintaining and enforcing protection for said invention, including in the preparation and prosecution of said application(s) and the issuance of said Letters Patent(s), in any interference, reissue, reexamination, or public use proceeding, and in any litigation or other legal proceeding which may arise or be declared in relation to same, such acts to include but not be limited to executing all papers, including separate assignments and declarations, taking all rightful oaths, providing sworn testimony, and obtaining and producing evidence.

IN WITNESS WHEREOF, the undersigned inventor(s) has (have) affixed his/her/their signature(s).

1) <u>Yukihiro Tsuchida</u> (Signature)	<u>Yukihiro TSUCHIDA</u> (Type Name)	<u>02/17/2012</u> (Date)
2) <u>Kazunori MUKASA</u> (Signature)	<u>Kazunori MUKASA</u> (Type Name)	<u>02/17/2012</u> (Date)
3) _____ (Signature)	_____ (Type Name)	_____ (Date)
4) _____ (Signature)	_____ (Type Name)	_____ (Date)
5) _____ (Signature)	_____ (Type Name)	_____ (Date)
6) _____ (Signature)	_____ (Type Name)	_____ (Date)

PATENT