

PATENT ASSIGNMENT

Electronic Version v1.1

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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>Masaaki HIRANO</td> <td>08/11/2012</td> </tr> <tr> <td>Tetsuya HARUNA</td> <td>08/20/2012</td> </tr> <tr> <td>Yoshiaki TAMURA</td> <td>08/11/2012</td> </tr> <tr> <td>Yoshinori YAMAMOTO</td> <td>08/20/2012</td> </tr> </tbody> </table>		Name	Execution Date	Masaaki HIRANO	08/11/2012	Tetsuya HARUNA	08/20/2012	Yoshiaki TAMURA	08/11/2012	Yoshinori YAMAMOTO	08/20/2012
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<table border="1"> <tr> <td>Name:</td> <td>SUMITOMO ELECTRIC INDUSTRIES, LTD.</td> </tr> <tr> <td>Street Address:</td> <td>5-33, Kitahama 4-chome, Chuo-ku</td> </tr> <tr> <td>City:</td> <td>Osaka-shi, Osaka</td> </tr> <tr> <td>State/Country:</td> <td>JAPAN</td> </tr> <tr> <td>Postal Code:</td> <td>541-0041</td> </tr> </table>		Name:	SUMITOMO ELECTRIC INDUSTRIES, LTD.	Street Address:	5-33, Kitahama 4-chome, Chuo-ku	City:	Osaka-shi, Osaka	State/Country:	JAPAN	Postal Code:	541-0041
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PROPERTY NUMBERS Total: 1											
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CORRESPONDENCE DATA											
<p>Fax Number: 2022040289</p> <p>Phone: 202-842-8800</p> <p>Email: dcpatentfiling@dbr.com</p> <p><i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US Mail.</i></p> <p>Correspondent Name: DRINKER BIDDLE & REATH (DC)</p> <p>Address Line 1: 1500 K STREET, N.W.</p> <p>Address Line 2: SUITE 1100</p> <p>Address Line 4: WASHINGTON, DISTRICT OF COLUMBIA 20005-1209</p>											
ATTORNEY DOCKET NUMBER:	048404-0081										
NAME OF SUBMITTER:	Peter J. Sistare										
<p>Total Attachments: 2</p> <p>source=048404_0081_assignment#page1.tif</p> <p>source=048404_0081_assignment#page2.tif</p>											

OP \$40.00 13614015

112189500. Assignment
1/2

ATTORNEY DOCKET NO.:
SOLE/JOINT INVENTION
(U.S. Rights Only)

ASSIGNMENT

WHEREAS I/We, the below named inventor(s), [hereinafter referred to as Assignor(s)], have made an invention entitled:

OPTICAL FIBER

for which I/WE executed an application for United States Letters Patent concurrently herewith; or filed an application for United States Letters Patent on _____, (Serial No. _____); and

WHEREAS, SUMITOMO ELECTRIC INDUSTRIES, LTD., a corporation of JAPAN, whose post office address is 5-33, Kitahama 4-chome, Chuo-ku, Osaka-shi, Osaka 541-0041, JAPAN, (hereinafter referred to as Assignee), is desirous of securing the entire right, title, and interest in and to this invention, the application for United States Letters Patent on this invention and the Letters Patent to issue upon this application;

NOW THEREFORE, be it known that, for good and valuable consideration the receipt of which from assignee is hereby acknowledged, I/WE, as assignor(s), have sold, assigned, transferred, and set over, and do hereby sell, assign, transfer, and set over unto the assignee, its lawful successors and assigns, MY/OUR entire right, title, and interest in and to this invention and this application, and all divisions, and continuations thereof, and all Letters Patent of the United States which may be granted thereon, and all reissues thereof; and I/WE hereby authorize and request the Commissioner of Patents and Trademarks of the United States to issue all Letters Patent for this invention to assignee, its successors and assigns, in accordance with the terms of this Assignment;

AND, I/WE HEREBY further covenant and agree that I/WE will, without further consideration, communicate with assignee, its successors and assigns, any facts known to ME/US respecting this invention and testify in any legal proceeding, sign all lawful papers when called upon to do so, execute and deliver all papers that may be necessary or desirable to perfect the title to this invention in said assignee, its successors and assigns, execute all divisional, continuation, and reissue applications, make all rightful oaths and generally do everything possible to aid assignee, its successors and assigns, to obtain and enforce proper patent protection for this invention in the United States, it being understood that any expense incident to the execution of such papers shall be borne by the assignee, its successors and assigns.

AND, I/WE HEREBY authorize and request the attorneys I/WE have empowered in the Declaration and Power of Attorney in this application, to insert here in parenthesis (Application No. 13/614,015, filed 13 SEP 2012) the filing date and application number of said application when known.

IN TESTIMONY WHEREOF, I/WE have hereunto set our hand(s).

Full Name of Sole or First Assignor Masaaki HIRANO	Assignor's Signature <i>Masaaki Hiran</i>	Date August 11, 2012
Address c/o Yokohama Works of Sumitomo Electric Industries, Ltd., 1, Taya-cho, Sakae-ku, Yokohama-shi, Kanagawa, JAPAN		Citizenship Japanese
Full Name of Second Assignor Tetsuya HARUNA	Assignor's Signature <i>Tetsuya Haruna</i>	Date August 20, 2012
Address c/o Yokohama Works of Sumitomo Electric Industries, Ltd., 1, Taya-cho, Sakae-ku, Yokohama-shi, Kanagawa, JAPAN		Citizenship Japanese
Names of additional inventors attached <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		

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Full Name of Third Assignor Yoshiaki TAMURA	Assignor's Signature <i>yoshiaki Tamura</i>	Date August 11 2012
Address c/o Yokohama Works of Sumitomo Electric Industries, Ltd., 1, Taya-cho, Sakae-ku, Yokohama-shi, Kanagawa, JAPAN		Citizenship Japanese
Full Name of Fourth Assignor Yoshinori YAMAMOTO	Assignor's Signature <i>Yoshinori Yamamoto</i>	Date August 20, 2012
Address c/o Yokohama Works of Sumitomo Electric Industries, Ltd., 1, Taya-cho, Sakae-ku, Yokohama-shi, Kanagawa, JAPAN		Citizenship Japanese
Names of additional inventors attached <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		