

## PATENT ASSIGNMENT

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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>Takemi HASEGAWA</td><td>06/29/2009</td></tr><tr><td>Tetsuya HAYASHI</td><td>06/25/2009</td></tr></tbody></table>		Name	Execution Date	Takemi HASEGAWA	06/29/2009	Tetsuya HAYASHI	06/25/2009				
Name	Execution Date										
Takemi HASEGAWA	06/29/2009										
Tetsuya HAYASHI	06/25/2009										
RECEIVING PARTY DATA											
<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
Name:	SUMITOMO ELECTRIC INDUSTRIES, LTD.										
Street Address:	5-33, Kitahama 4-chome, Chuo-ku										
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State/Country:	JAPAN										
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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>12920012</td></tr></tbody></table>		Property Type	Number	Application Number:	12920012						
Property Type	Number										
Application Number:	12920012										
CORRESPONDENCE DATA											
Fax Number: (202)756-8087 <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>											
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NAME OF SUBMITTER:	Brian K. Seidleck										
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PATENT  
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**RECORDATION FORM COVER SHEET**

**Docket No.: 050212-0786**

**PATENTS ONLY**

To the Director of the U. S. Patent and Trademark Office: Please record the attached documents or the new address(es) below.

**1. Name of Conveying Party(ies)**  
**Takemi HASEGAWA, Tetsuya HAYASHI**  
 Additional name(s) of conveying party(ies) attached? ☐ Yes ☐ No

**3. Nature of Conveyance/Execution Date(s)**  
 Execution Date(s): **June 29, 2009 and June 25, 2009**  
 (respectively)  
☒ **Assignment** ☐ **Merger**  
☐ **Security Agreement** ☐ **Change of Name**  
☐ **Joint Research Agreement**  
☐ **Government Interest Assignment**  
☐ **Executive Order 9424, Confirmatory License**  
☐ **Other**

**2. Name and address of receiving party(ies)**  
 Name: **SUMITOMO ELECTRIC INDUSTRIES, LTD.**  
 Internal Address:

Address: **5-33, Kitahama 4-chome, Chuo-ku, Osaka-shi,  
 Osaka 541-0041 JAPAN**

Additional name(s) & address(es) attached? ☐ Yes ☐ No

**4. Application or patent number(s):**  
 A. Patent Application No(s).  
 Additional numbers attached? ☐ Yes ☐ No

☒ **This document is being filed together with a new application.**  
 B. Patent No(s).

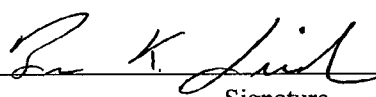
**5. Name and address to whom correspondence concerning document should be mailed:**

**6. Total number of applications and patents involved:** **1**

Name: **MCDERMOTT WILL & EMERY LLP**  
 Internal Address:  
 Street Address: **600 13th Street, N.W.**  
 City: **Washington, State: DC Zip: 20005-3096**  
**D.C.**  
 Phone Number: **202.756.8000**  
 Fax Number: **202.756.8087**  
 Email Address:

**7. Total fee (37 CFR 1.21(h) & 3.41)** **\$40.00**  
☐ **Authorized to be charged by credit card**  
☒ **Authorized to be charged to deposit account**  
☐ **Enclosed**  
☐ **None required (government interest not affecting title)**

**8. Payment Information:**  
 a. Credit Card Last 4 Numbers \_\_\_\_\_  
 Expiration Date \_\_\_\_\_  
 b. Deposit Account Number **500417**  
 Authorized User Name \_\_\_\_\_

**9. Signature.**  
**Brian K. Seidleck 51,321**  **August 27, 2010**  
 Name and Registration No. of Person Signing Signature Date  
 Total number of pages including cover sheet, attachments and documents: **2**

**ASSIGNMENT**

Whereas, I/we,

NameAddress

c/o Yokohama Works of Sumitomo Electric Industries, Ltd.,

1) **Takemi HASEGAWA**1, Taya-cho, Sakae-ku,  
Yokohama-shi, Kanagawa 244-8588 Japan

c/o Yokohama Works of Sumitomo Electric Industries, Ltd.,

2) **Tetsuya HAYASHI**1, Taya-cho, Sakae-ku,  
Yokohama-shi, Kanagawa 244-8588 Japan

hereinafter called assignor(s), have invented certain improvements in  
**Optical Fiber**

and executed an application for Letters Patent of the United States of America therefor on even date herewith unless otherwise indicated below:

Whereas filed on \_\_\_\_\_, Serial No. \_\_\_\_\_; and

**SUMITOMO ELECTRIC INDUSTRIES, LTD.**5-33, Kitahama 4-chome, Chuo-ku,  
Osaka-shi, Osaka 541-0041 Japan

(assignee), desires to acquire the entire right, title and interest in the application and invention, and to any United States patents to be obtained therefor;

NOW THEREFORE, be it known that, for good and valuable consideration from assignee, the receipt of which 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.

INVENTORSDATE SIGNED

1):

Name:

Takemi Hasegawa  
**Takemi HASEGAWA**Jun 29, 2009

2):

Name:

Tetsuya HAYASHI  
**Tetsuya HAYASHI**Jun. 28, 2009