

<b>PATENT ASSIGNMENT COVER SHEET</b>
--------------------------------------

Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT3576537

<b>SUBMISSION TYPE:</b>	CORRECTIVE ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	Corrective Assignment to correct the FOURTH ASSIGNOR FIRST NAME FROM TAKAHASHI TO TAKASHI AND ASSIGNEE POSTAL CODE FROM 20043-9998 TO 541-0041 previously recorded on Reel 036659 Frame 0446. Assignor(s) hereby confirms the ASSIGNORS AND ASSIGNEE.

**CONVEYING PARTY DATA**

Name	Execution Date
TETSUYA NAKANISHI	09/02/2015
YUUICHI MITOSE	09/01/2015
HIROSHI KOHDA	09/01/2015
TAKASHI SASAKI	09/02/2015
JUN ITO	08/27/2015
TAKEYUKI ISHII	08/27/2015
TOSHIKI TARU	08/28/2015
KAZUNARI HATTORI	09/02/2015
NAOKI MATSUSHITA	08/31/2015
YASUOMI KANEUCHI	08/28/2015

**RECEIVING PARTY DATA**

<b>Name:</b>	SUMITOMO ELECTRIC INDUSTRIES, LTD.
<b>Street Address:</b>	5-33, KITAHAMA 4-CHOME, CHUO-KU
<b>City:</b>	OSAKA-SHI, OSAKA
<b>State/Country:</b>	JAPAN
<b>Postal Code:</b>	541-0041

**PROPERTY NUMBERS Total: 1**

Property Type	Number
<b>Application Number:</b>	29540590

**CORRESPONDENCE DATA**

**Fax Number:** (202)344-8300

*Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.*

**Email:** ptomail@venable.com, echan@venable.com,  
 jlberrymann@venable.com

**Correspondent Name:** MICHAEL A. SARTORI, PH.D.

**Address Line 1:** VENABLE LLP, P.O. BOX 34385

<b>Address Line 4:</b>	WASHINGTON, D.C. 20043-9998
<b>ATTORNEY DOCKET NUMBER:</b>	87136-388954
<b>NAME OF SUBMITTER:</b>	TODD RICHARD FARNSWORTH
<b>SIGNATURE:</b>	/TR Farnsworth/
<b>DATE SIGNED:</b>	10/20/2015
<b>Total Attachments: 5</b> source=388954_CorrectiveNOR#page1.tif source=388954_CorrectiveNOR#page2.tif source=388954_CorrectiveNOR#page3.tif source=87136-388954_Assignment#page1.tif source=87136-388954_Assignment#page2.tif	

<b>PATENT ASSIGNMENT COVER SHEET</b>
--------------------------------------

Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT3543285

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT

**CONVEYING PARTY DATA**

Name	Execution Date
TETSUYA NAKANISHI	09/02/2015
YUUICHI MITOSE	09/01/2015
HIROSHI KOHDA <span style="border: 1px solid black; padding: 0 5px;">TAKASHI</span>	09/01/2015
<del>TAKAHASHI</del> SASAKI	09/02/2015
JUN ITO	08/27/2015
TAKEYUKI ISHII	08/27/2015
TOSHIKI TARU	08/28/2015
KAZUNARI HATTORI	09/02/2015
NAOKI MATSUSHITA	08/31/2015
YASUOMI KANEUCHI	08/28/2015

**RECEIVING PARTY DATA**

<b>Name:</b>	SUMITOMO ELECTRIC INDUSTRIES, LTD.
<b>Street Address:</b>	5-33, KITAHAMA 4-CHOME, CHUO-KU
<b>City:</b>	OSAKA-SHI, OSAKA
<b>State/Country:</b>	JAPAN
<b>Postal Code:</b>	<del>20043-0008</del> <span style="border: 1px solid black; padding: 0 5px;">541-0041</span>

**PROPERTY NUMBERS Total: 1**

Property Type	Number
<b>Application Number:</b>	29540590

**CORRESPONDENCE DATA**

**Fax Number:** (202)344-8300

*Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.*

**Phone:** 202-344-4000

**Email:** ptomail@venable.com, kxm01@venable.com,  
 jlberrymann@venable.com

**Correspondent Name:** MICHAEL A. SARTORI, PH.D.

**Address Line 1:** P.O. BOX 34385

**Address Line 2:** VENABLE LLP

**Address Line 4:** WASHINGTON, D.C. 20043-9998

**ASSIGNMENT**

Whereas, I/we,

<u>Name</u>	<u>Address</u>
1) Tetsuya NAKANISHI	c/o Yokohama Works of Sumitomo Electric Industries, Ltd., 1, Taya-cho, Sakae-ku, Yokohama-shi, Kanagawa 244-8588 Japan
2) Yuuichi MITOSE	c/o Yokohama Works of Sumitomo Electric Industries, Ltd., 1, Taya-cho, Sakae-ku, Yokohama-shi, Kanagawa 244-8588 Japan
3) Hiroshi KOHDA	c/o Yokohama Works of Sumitomo Electric Industries, Ltd., 1, Taya-cho, Sakae-ku, Yokohama-shi, Kanagawa 244-8588 Japan
4) Takashi SASAKI	c/o Yokohama Works of Sumitomo Electric Industries, Ltd., 1, Taya-cho, Sakae-ku, Yokohama-shi, Kanagawa 244-8588 Japan
5) Jun ITO	c/o Yokohama Works of Sumitomo Electric Industries, Ltd., 1, Taya-cho, Sakae-ku, Yokohama-shi, Kanagawa 244-8588 Japan
6) Takeyuki ISHII	c/o Yokohama Works of Sumitomo Electric Industries, Ltd., 1, Taya-cho, Sakae-ku, Yokohama-shi, Kanagawa 244-8588 Japan
7) Toshiki TARU	c/o Yokohama Works of Sumitomo Electric Industries, Ltd., 1, Taya-cho, Sakae-ku, Yokohama-shi, Kanagawa 244-8588 Japan
8) Kazunari HATTORI	c/o Yokohama Works of Sumitomo Electric Industries, Ltd., 1, Taya-cho, Sakae-ku, Yokohama-shi, Kanagawa 244-8588 Japan
9) Naoki MATSUSHITA	c/o Yokohama Works of Sumitomo Electric Industries, Ltd., 1, Taya-cho, Sakae-ku, Yokohama-shi, Kanagawa 244-8588 Japan
10) Yasuomi KANEUCHI	c/o Yokohama Works of Sumitomo Electric Industries, Ltd., 1, Taya-cho, Sakae-ku, Yokohama-shi, Kanagawa 244-8588 Japan

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

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

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

Whereas

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.

	<u>INVENTORS</u>	<u>DATE SIGNED</u>
1) :	<u><i>Tetsuya Nakanishi</i></u>	<u><i>Sep, 7, 2015</i></u>
Name :	Tetsuya NAKANISHI	
2) :	<u><i>Yuichi Mitose</i></u>	<u><i>Sep, 7, 2015</i></u>
Name :	Yuichi MITOSE	
3) :	<u><i>Hiroshi Kohda</i></u>	<u><i>Sep, 1, 2015</i></u>
Name :	Hiroshi KOHDA	
4) :	<u><i>Takashi SASAKI</i></u>	<u><i>Sep. 2, 2015</i></u>
Name :	Takashi SASAKI	
5) :	<u><i>Jun ITO</i></u>	<u><i>Aug, 27, 2015</i></u>
Name :	Jun ITO	
6) :	<u><i>Takeyuki ISHII</i></u>	<u><i>Aug, 27, 2015</i></u>
Name :	Takeyuki ISHII	
7) :	<u><i>Toshiki Taru</i></u>	<u><i>Aug, 28, 2015</i></u>
Name :	Toshiki TARU	
8) :	<u><i>Kazunari Hattori</i></u>	<u><i>Sep. 2, 2015</i></u>
Name :	Kazunari HATTORI	
9) :	<u><i>Naoki Matsushita</i></u>	<u><i>Aug, 31, 2015</i></u>
Name :	Naoki MATSUSHITA	
10) :	<u><i>Yasuomi Kaneuchi</i></u>	<u><i>Aug, 28, 2015</i></u>
Name :	Yasuomi KANEUCHI	