

## 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>Masaya Okada</td> <td>04/26/2013</td> </tr> <tr> <td>Makoto Kiyama</td> <td>04/11/2013</td> </tr> <tr> <td>Yu Saitoh</td> <td>04/11/2013</td> </tr> <tr> <td>Seiji Yaegashi</td> <td>04/17/2013</td> </tr> <tr> <td>Mitsunori Yokoyama</td> <td>04/19/2013</td> </tr> <tr> <td>Kazutaka Inoue</td> <td>04/15/2013</td> </tr> </tbody> </table>		Name	Execution Date	Masaya Okada	04/26/2013	Makoto Kiyama	04/11/2013	Yu Saitoh	04/11/2013	Seiji Yaegashi	04/17/2013	Mitsunori Yokoyama	04/19/2013	Kazutaka Inoue	04/15/2013
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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: 2023448300  <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i></p> <p>Phone: 202-344-4000</p> <p>Email: kadcins@venable.com, ptomail@venable.com,        jlberryman@venable.com</p> <p>Correspondent Name: Venable LLP</p> <p>Address Line 1: Michael A. Sartori, Ph.D.</p> <p>Address Line 2: P.O. Box 34385</p> <p>Address Line 4: Washington, DISTRICT OF COLUMBIA 20043-9998</p>															
ATTORNEY DOCKET NUMBER:	40616-348450														

CH \$40.00 13884229

NAME OF SUBMITTER:	Michael A. Sartori, Ph.D.
Signature:	/Michael A. Sartori, Ph.D./
Date:	05/08/2013
<b>Total Attachments: 5</b> source=Assignment#page1.tif source=Assignment#page2.tif source=Assignment#page3.tif source=Assignment#page4.tif source=Assignment#page5.tif	

## ASSIGNMENT BY INVENTOR

**THIS ASSIGNMENT**, made by Masaya OKADA (hereinafter referred to as Assignor), residing at c/o Osaka Works of Sumitomo Electric Industries, Ltd., 1-3, Shimaya 1-chome, Konohana-ku, Osaka-shi, Osaka, JAPAN, Makoto KIYAMA and Yu SAITOH (hereinafter referred to as Assignor), residing at c/o Itami Works of Sumitomo Electric Industries, Ltd., 1-1, Koyakita 1-chome, Itami-shi, Hyogo, JAPAN, Seiji YAEGASHI and Mitsunori YOKOYAMA, (hereinafter referred to as Assignor), residing at c/o Sumitomo Electric Industries, Ltd., Akasaka Center Building, 3-13, Motoakasaka 1-chome, Minato-ku, Tokyo, JAPAN and Kazutaka INOUE (hereinafter referred to as Assignor), residing at c/o Yokohama Works of Sumitomo Electric Industries, Ltd., 1, Taya-cho, Sakae-ku, Yokohama-shi, Kanagawa, JAPAN;

**WHEREAS**, Assignor has invented certain new and useful improvements in SEMICONDUCTOR DEVICE AND METHOD FOR PRODUCING SAME, set forth in a patent application for Letters Patent of the United States,

☒ executed concurrently herewith;

☐ filed on \_\_\_\_\_ as U.S. Patent Application No. \_\_\_\_\_; and

**WHEREAS**, SUMITOMO ELECTRIC INDUSTRIES, LTD. having its principal place of business at 5-33, Kitahama 4-chome, Chuo-ku, Osaka-shi, Osaka 541-0041, JAPAN (hereinafter referred to as Assignee), is desirous of acquiring the entire right, title and interest in and to said inventions and said Application for Letters Patent of the United States, and in and to any Letters Patent of the United States to be obtained therefore and thereon.

**NOW, THEREFORE**, in consideration of One Dollar (\$1.00) and other good and sufficient consideration, the receipt of which is hereby acknowledged, Assignor has sold, assigned, transferred and set over, and by these presents does sell, assign, transfer and set over, unto Assignee, its successors, legal representatives and assigns, the entire right, title and interest in and to the above-mentioned inventions and application for Letters Patent, and in and

to any and all direct and indirect divisions, continuations and continuations-in-part of said application, and any and all Letters Patent in the United States which may be granted therefore and thereon, and reissues, reexaminations and extensions of said Letters Patent, and all rights under the International Convention for the Protection of Industrial Property, the same to be held and enjoyed by Assignee, for its own use and benefit and the use and benefit of its successors, legal representatives and assigns, to the full end of the term or terms for which Letters Patent may be granted and/or extended, as fully and entirely as the same would have been held and enjoyed by Assignor, had this sale and assignment not been made.

**AND** for the same consideration, Assignor hereby represents and warrants to Assignee, its successors, legal representatives and assigns, that, at the time of execution and delivery of these presents, except for any rights, titles and/or interests that have arisen to Assignee under law or that have already been transferred to Assignee, Assignor is the sole and lawful owners of the entire right, title and interest in and to the said inventions and application for Letters Patent above-mentioned, and that the same are unencumbered and that Assignor has good and full right and lawful authority to sell and convey the same in the manner herein set forth.

**AND** for the same consideration, Assignor hereby covenants and agrees to and with Assignee, its successors, legal representatives and assigns, that Assignor will sign all papers and documents, take all lawful oaths and do all acts necessary or required to be done for the procurement, maintenance, enforcement and defense of any Letters Patent and applications for Letters Patent for said inventions, without charge to Assignee, its successors, legal representatives and assigns, whenever counsel of Assignee, or counsel of its successors, legal representatives and assigns, shall advise: that any proceeding in connection with said inventions, or said Patent application for Letters Patent, or any proceeding in connection with any Letters Patent or applications for Letters Patent for said inventions including but not limited to interference proceedings, is lawful and desirable; or, that any division, continuation or continuation-in-part of any application for Letters Patent, or any reissue, reexamination or extension of any Letters Patent, to be obtained thereon, is lawful and desirable.

**AND** Assignor hereby requests the Commissioner of Patent and Trademarks to issue said Letters Patent of the United States to Assignee, as Assignee of said inventions and the

Letters Patent to be issued thereon, for the sole use and benefit of Assignee, its successors, legal representatives and assigns.

**AND** Assignor hereby grants the following individuals the power to insert on this Assignment any further identification which may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document:

VENABLE LLP

All practitioners at Customer Number 26694

**AND** Assignor acknowledges an obligation of assignment of this invention to Assignee at the time the invention was made.

Executed on:

Date

April 26, 2013

**Assignor:**

Masaya OKADA

Assignor Name

Signature

Masaya Okada

**Witness:**

Witness Name

Signature

Witness Address

Executed on:

April 11, 2013  
Date

**Assignor:**

Makoto KIYAMA

Assignor Name

Makoto Kiyama  
Signature

**Witness:**

Witness Name

Signature

Witness Address

Executed on:

April 11, 2013  
Date

**Assignor:**

Yu SAITOH

Assignor Name

Yu Saitoh  
Signature

**Witness:**

Witness Name

Signature

Witness Address

Executed on:

April 17, 2013  
Date

**Assignor:**

Seiji YAEHASHI

Assignor Name

Seiji Yaegashi  
Signature

**Witness:**

Witness Name

Signature

Witness Address

Executed on:

April 19, 2013

Date

**Assignor:**

Mitsunori YOKOYAMA

Mitsunori Yokoyama

Assignor Name

Signature

**Witness:**

Witness Name

Signature

Witness Address

Executed on:

April 15, 2013

Date

**Assignor:**

Kazutaka INOUE

Kazutaka Inoue

Assignor Name

Signature

**Witness:**

Witness Name

Signature

Witness Address

DC2-845073