

PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT												
NATURE OF CONVEYANCE:	ASSIGNMENT												
CONVEYING PARTY DATA													
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 70%;">Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>Katsushi AKITA</td> <td>11/29/2010</td> </tr> <tr> <td>Takashi ISHIZUKA</td> <td>11/23/2010</td> </tr> <tr> <td>Kei FUJII</td> <td>11/23/2010</td> </tr> <tr> <td>Youichi NAGAI</td> <td>11/26/2010</td> </tr> <tr> <td>Hideaki NAKAHATA</td> <td>11/24/2010</td> </tr> </tbody> </table>		Name	Execution Date	Katsushi AKITA	11/29/2010	Takashi ISHIZUKA	11/23/2010	Kei FUJII	11/23/2010	Youichi NAGAI	11/26/2010	Hideaki NAKAHATA	11/24/2010
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<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 20%;">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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CORRESPONDENCE DATA													
Fax Number: (202)344-8300 <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i> Phone: 202-344-4000 Email: kajohnson@venable.com Correspondent Name: Michael A. Sartori, Ph.D. Address Line 1: Venable LLP Address Line 2: P.O. Box 34385 Address Line 4: Washington, DISTRICT OF COLUMBIA 20043-9998													
ATTORNEY DOCKET NUMBER:	40616-292478												
NAME OF SUBMITTER:	Michael A. Sartori, Ph.D.												

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PATENT
REEL: 025533 FRAME: 0585

Total Attachments: 4

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PATENT

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ASSIGNMENT BY INVENTOR

THIS ASSIGNMENT, made by Katsushi AKITA, Takashi ISHIZUKA, Kei FUJII, and Hideaki NAKAHATA (hereinafter referred to as Assignors), residing at c/o Itami Works of Sumitomo Electric Industries, Ltd., 1-1 Koyakita 1-chome, Itami-shi, Hyogo, JAPAN and Youichi NAGAI (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;

WHEREAS, Assignor has invented certain new and useful improvements in PHOTODIODE ARRAY, METHOD FOR MANUFACTURING PHOTODIODE ARRAY, EPITAXIAL WAFER, AND METHOD FOR MANUFACTURING EPITAXIAL WAFER, set forth in a patent application for Letters Patent of the United States,

☐	executed concurrently herewith;
☒	filed on <u>October 29, 2010</u> as U.S. Patent Application No. <u>12/916,150</u> ; 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:

November 29, 2010

Date

Assignor:

Katsushi AKITA

Assignor Name

Katsushi Akita

Signature

Witness:

Witness Name

Signature

Witness Address

Executed on:

November 23, 2010

Date

Assignor:

Takashi ISHIZUKA

Assignor Name

Takashi Ishizuka

Signature

Witness:

Witness Name

Signature

Witness Address

DC2-545673

Executed on:

November 23, 2010

Date

Assignor:

Kei FUJII

Kei Fujii

Assignor Name

Signature

Witness:

Witness Name

Signature

Witness Address

Executed on:

November 26, 2010

Date

Assignor:

Youichi NAGAI

Youichi Nagai

Assignor Name

Signature

Witness:

Witness Name

Signature

Witness Address

Executed on:

November 24, 2010

Date

Assignor:

Hideaki NAKAHATA

Hideaki Nakahata

Assignor Name

Signature

Witness:

Witness Name

Signature

Witness Address

DC2-545673

Venable LLP

4

Attorney Docket No. 40616-292478

RECORDED: 12/21/2010

PATENT
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