

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>Shin HARADA</td> <td>04/13/2012</td> </tr> <tr> <td>Toru HIYOSHI</td> <td>04/16/2012</td> </tr> <tr> <td>Keiji WADA</td> <td>04/16/2012</td> </tr> <tr> <td>Takeyoshi MASUDA</td> <td>04/19/2012</td> </tr> </tbody> </table>		Name	Execution Date	Shin HARADA	04/13/2012	Toru HIYOSHI	04/16/2012	Keiji WADA	04/16/2012	Takeyoshi MASUDA	04/19/2012
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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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<table border="1"> <thead> <tr> <th>Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>13512459</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13512459						
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Application Number:	13512459										
CORRESPONDENCE DATA											
Fax Number:	(202)204-0289										
Phone:	202-842-8800										
Email:	dcpatentfiling@dbr.com										
<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US Mail.</i>											
Correspondent Name:	DRINKER BIDDLE & REATH (DC)										
Address Line 1:	1500 K STREET, N.W.										
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Address Line 4:	WASHINGTON, DISTRICT OF COLUMBIA 20005-1209										
ATTORNEY DOCKET NUMBER:	201917-0156 (485449)										
NAME OF SUBMITTER:	Peter J. Sistare										
Total Attachments: 2 source=201917_0156_Assignment#page1.tif source=201917_0156_Assignment#page2.tif											

OP \$40.00 13512459

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:
Semiconductor Device and Method for Manufacturing Same

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. _____, filed _____) 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 Shin HARADA	Assignor's Signature <i>Shin Harada</i>	Date April 13, 2012
Address c/o Osaka Works of Sumitomo Electric Industries, Ltd., 1-3, Shimaya 1-chome, Konohana-ku, Osaka-shi, Osaka 554-0024 Japan		Citizenship Japanese
Full Name of Second Assignor Toru HIYOSHI	Assignor's Signature <i>Toru Hiyoishi</i>	Date April 16, 2012
Address c/o Osaka Works of Sumitomo Electric Industries, Ltd., 1-3, Shimaya 1-chome, Konohana-ku, Osaka-shi, Osaka 554-0024 Japan		Citizenship Japanese
Names of additional inventors attached <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		

PATENT

REEL: 028281 FRAME: 0035

ATTORNEY DOCKET NO.:

Full Name of Third Assignor Keiji WADA	Assignor's Signature <i>Keiji Wada</i>	Date <i>April 16, 2012</i>
Address c/o Osaka Works of Sumitomo Electric Industries, Ltd., 1-3, Shimaya 1-chome, Konohana-ku, Osaka-shi, Osaka 554-0024 Japan		Citizenship Japanese
Full Name of Fourth Assignor Takeyoshi MASUDA	Assignor's Signature <i>Takeyoshi Masuda</i>	Date <i>April 19, 2012</i>
Address c/o Osaka Works of Sumitomo Electric Industries, Ltd., 1-3, Shimaya 1-chome, Konohana-ku, Osaka-shi, Osaka 554-0024 Japan		Citizenship Japanese
Full Name of Fifth Assignor	Assignor's Signature	Date
Address		Citizenship
Full Name of Sixth Assignor	Assignor's Signature	Date
Address		Citizenship
Full Name of Seventh Assignor	Assignor's Signature	Date
Address		Citizenship
Full Name of Eighth Assignor	Assignor's Signature	Date
Address		Citizenship
Full Name of Ninth Assignor	Assignor's Signature	Date
Address		Citizenship
Full Name of Tenth Assignor	Assignor's Signature	Date
Address		Citizenship
Full Name of Eleventh Assignor	Assignor's Signature	Date
Address		Citizenship
Names of additional inventors attached <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		