

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 style="width: 30%;">Execution Date</th> </tr> </thead> <tbody> <tr> <td>Taro NISHIGUCHI</td> <td>10/18/2010</td> </tr> <tr> <td>Makoto SASAKI</td> <td>10/18/2010</td> </tr> <tr> <td>Shin HARADA</td> <td>10/19/2010</td> </tr> <tr> <td>Shinsuke FUJIWARA</td> <td>10/18/2010</td> </tr> <tr> <td>Yasuo NAMIKAWA</td> <td>10/25/2010</td> </tr> </tbody> </table>		Name	Execution Date	Taro NISHIGUCHI	10/18/2010	Makoto SASAKI	10/18/2010	Shin HARADA	10/19/2010	Shinsuke FUJIWARA	10/18/2010	Yasuo NAMIKAWA	10/25/2010
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CORRESPONDENCE DATA													
Fax Number: (202)204-0289 <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i> Phone: 202-842-8800 Email: joann.ennis@dbr.com Correspondent Name: DRINKER BIDDLE & REATH (DC) Address Line 1: 1500 K STREET, N.W. Address Line 2: SUITE 1100 Address Line 4: WASHINGTON, DISTRICT OF COLUMBIA 20005-1209													
ATTORNEY DOCKET NUMBER:	205817-0004 (460087)												
NAME OF SUBMITTER:	Hyun J. Jung												
Total Attachments: 2													

OP \$40.00 29379471

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PATENT
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ASSIGNMENT

WHEREAS I/We, the below named inventor(s), [hereinafter referred to as Assignor(s)], have made an invention entitled:

SEMICONDUCTOR SUBSTRATE

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, 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. 29/379,471, filed 19 Nov. 2010) 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 Taro NISHIGUCHI	Assignor's Signature <i>Taro Nishiguchi</i>	Date October 18, 2010
Address c/o Itami Works of Sumitomo Electric Industries, Ltd., 1-1, Koyakita 1-chome, Itami-shi, Hyogo, Japan		Citizenship Japan
Full Name of Second Assignor Makoto SASAKI	Assignor's Signature <i>Makoto Sasaki</i>	Date October 18, 2010
Address c/o Itami Works of Sumitomo Electric Industries, Ltd., 1-1, Koyakita 1-chome, Itami-shi, Hyogo, Japan		Citizenship Japan
Names of additional inventors attached <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		

ATTORNEY DOCKET NO.:

Full Name of Third Assignor Shin HARADA	Assignor's Signature <i>Shin Harada</i>	Date October 19, 2010
Address c/o Osaka Works of Sumitomo Electric Industries, Ltd., 1-3, Shimaya 1-chome, Konohana-ku, Osaka-shi, Osaka, Japan		Citizenship Japan
Full Name of Fourth Assignor Shinsuke FUJIWARA	Assignor's Signature <i>Shinsuke Fujiwara</i>	Date October 18, 2010
Address c/o Itami Works of Sumitomo Electric Industries, Ltd., 1-1, Kbyakita 1-chome, Itami-shi, Hyogo, Japan		Citizenship Japan
Full Name of Fifth Assignor Yasuo NAMIKAWA	Assignor's Signature <i>Yasuo Namikawa</i>	Date October 25, 2010
Address c/o Osaka Works of Sumitomo Electric Industries, Ltd., 1-3, Shimaya 1-chome, Konohana-ku, Osaka-shi, Osaka, Japan		Citizenship Japan
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		