

## PATENT ASSIGNMENT

Electronic Version v1.1  
 Stylesheet Version v1.1

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>Youichi NOGAMI</td> <td>03/30/2012</td> </tr> <tr> <td>Hidetoshi KOYAMA</td> <td>04/02/2012</td> </tr> <tr> <td>Yoshitsugu YAMAMOTO</td> <td>04/02/2012</td> </tr> </tbody> </table>		Name	Execution Date	Youichi NOGAMI	03/30/2012	Hidetoshi KOYAMA	04/02/2012	Yoshitsugu YAMAMOTO	04/02/2012
Name	Execution Date								
Youichi NOGAMI	03/30/2012								
Hidetoshi KOYAMA	04/02/2012								
Yoshitsugu YAMAMOTO	04/02/2012								
RECEIVING PARTY DATA									
Name:	Mitsubishi Electric Corporation								
Street Address:	7-3, Marunouchi 2-chome								
City:	Chiyoda-ku, Tokyo								
State/Country:	JAPAN								
Postal Code:	100-8310								
PROPERTY NUMBERS Total: 1									
<table border="1"> <thead> <tr> <th>Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>13545046</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13545046				
Property Type	Number								
Application Number:	13545046								
CORRESPONDENCE DATA									
Fax Number:	3126165700								
Phone:	2027376770								
Email:	assignments@leydig.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:	Jeffrey A. Wyand								
Address Line 1:	700 Thirteenth Street, N.W.								
Address Line 2:	Suite 300								
Address Line 4:	Washington, DISTRICT OF COLUMBIA 20005								
ATTORNEY DOCKET NUMBER:	710696/VES								
NAME OF SUBMITTER:	Jeffrey A. Wyand								
Total Attachments: 1 source=710696-assignment#page1.tif									

CH \$40.00 13545046

ASSIGNMENT

In consideration of the premises and other good and valuable consideration in hand paid, the receipt and sufficiency of which is hereby acknowledged, the undersigned,

(1) Youichi NOGAMI  
(3) Yoshitsugu YAMAMOTO

(2) Hidetoshi KOYAMA

who have made a certain new and useful invention, hereby sell, assign and transfer unto

Mitsubishi Electric Corporation  
7-3, Marunouchi 2-chome  
Chiyoda-ku, Tokyo 100-8310  
JAPAN

its successors and assigns ( hereinafter designated "ASSIGNEE" ) the entire right, title and interest for the United States of America as defined in 35 U.S.C. 100 in the invention entitled

SEMICONDUCTOR DEVICE AND METHOD FOR MANUFACTURING THE SAME

for which an application for United States Letters Patent was executed on even date herewith,

and the undersigned hereby authorize and request the United States Commissioner of Patents and Trademarks to issue any and all United States Letters Patent which may be granted therefor and any and all extensions, divisions, reissues, substitutes, renewals, continuations, or continuations-in-part thereof, and the right to all benefits under the international Convention for the Protection of Industrial Property to the said ASSIGNEE, for its interest as ASSIGNEE, its successors, assigns and legal representatives; the undersigned agree that the attorneys of record in said application shall hereafter act on behalf of said ASSIGNEE;

AND the undersigned hereby agree to transfer a like interest, and to render all necessary assistance in making application for and obtaining original, divisional, reissued or extended Letters Patent of the United States, upon request of the said ASSIGNEE, its successors, assigns and legal representatives, and without further remuneration, in and to any improvements, and applications for patent based thereon, growing out of or related to the said invention; and to execute any papers by the said ASSIGNEE, its successors, assigns and legal representatives, deemed essential to ASSIGNEE's full protection and title in and to the invention hereby transferred.

SIGNED on the dates indicated aside our signatures:

INVENTORS	DATE SIGNED
1) <del>Youichi NOGAMI</del> <u>Youichi NOGAMI</u> Name: Youichi NOGAMI	<u>Y.N. March 30, 2012</u> <u>March 30, 2012</u>
2) <u>Hidetoshi KOYAMA</u> Name: Hidetoshi KOYAMA	<u>April 2, 2012</u>
3) <u>Yoshitsugu YAMAMOTO</u> Name: Yoshitsugu YAMAMOTO	<u>April 2, 2012</u>

PATENT