

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT2646270

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>ATSUSHI OGASAWARA</td> <td>08/05/2013</td> </tr> <tr> <td>KOJI ITO</td> <td>08/05/2013</td> </tr> <tr> <td>KAZUHIKO ITO</td> <td>08/05/2013</td> </tr> <tr> <td>KOYA MUYARI</td> <td>08/05/2013</td> </tr> </tbody> </table>		Name	Execution Date	ATSUSHI OGASAWARA	08/05/2013	KOJI ITO	08/05/2013	KAZUHIKO ITO	08/05/2013	KOYA MUYARI	08/05/2013
Name	Execution Date										
ATSUSHI OGASAWARA	08/05/2013										
KOJI ITO	08/05/2013										
KAZUHIKO ITO	08/05/2013										
KOYA MUYARI	08/05/2013										
RECEIVING PARTY DATA											
Name:	SHINDENGEN ELECTRIC MANUFACTURING CO., LTD										
Street Address:	2-1, OHTEMACHI 2-CHOME, CHIYODA-KU										
City:	TOKYO										
State/Country:	JAPAN										
Postal Code:	100-0004										
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>13980435</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13980435						
Property Type	Number										
Application Number:	13980435										
CORRESPONDENCE DATA											
Fax Number:	(703)518-5499										
Phone:	703-684-1111										
Email:	bjhgroupp@ipfirm.com										
<i>Correspondence will be sent via US Mail when the email attempt is unsuccessful.</i>											
Correspondent Name:	LOWE HAUPTMAN & HAM LLP										
Address Line 1:	2318 MILL ROAD, SUITE 1400										
Address Line 4:	ALEXANDRIA, VIRGINIA 22314										
ATTORNEY DOCKET NUMBER:	4592-035										
NAME OF SUBMITTER:	BENJAMIN J. HAUPTMAN										
Signature:	/Benjamin J. Hauptman/										
Date:	12/12/2013										
Total Attachments: 1 source=4592-035Assignment#page1.tif											

OP \$40.00 13980435

### 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) Atsushi OGASAWARA
- 2) Koji ITO
- 3) Kazuhiko ITO
- 4) Koya MUYARI

who has made a certain new and useful invention, hereby sells, assigns and transfers unto

**SHINDENGEN ELECTRIC MANUFACTURING CO., LTD.** having a place of business at **2-1, Ohtemachi 2-chome, Chiyoda-ku, Tokyo 100-0004 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

**METHOD OF MANUFACTURING SEMICONDUCTOR DEVICE AND SEMICONDUCTOR DEVICE**

(a) for which an application for United States Letters Patent was filed on July 18, 2013, and identified by United States Patent Application No. 13/980.435; or

(b) for which an application for United States Letters Patent was executed on \_\_\_\_\_,

and the undersigned hereby authorizes and requests the United States Commissioner of Patents and Trademarks to issue any and all United States Letters Patent which may be granted therefore and any and all extensions, divisions, reissues, 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 agrees that the attorneys of record in said application shall hereafter act on behalf of said ASSIGNEE;

AND the undersigned hereby agrees 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 date indicated aside my signature:

1) Atsushi Ogasawara  
Name: Atsushi OGASAWARA

August 05, 2013  
Date:

2) Koji Ito  
Name: Koji ITO

August 05, 2013  
Date:

3) Kazuhiko Ito  
Name: Kazuhiko ITO

August 05, 2013  
Date:

4) Koya MUYARI  
Name: Koya MUYARI

August 05, 2013  
Date: