# 504735159 01/18/2018

# PATENT ASSIGNMENT COVER SHEET

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| SUBMISSION TYPE:      | NEW ASSIGNMENT |
|-----------------------|----------------|
| NATURE OF CONVEYANCE: | ASSIGNMENT     |

#### **CONVEYING PARTY DATA**

| Name              | Execution Date |
|-------------------|----------------|
| ATSUSHI OGASAWARA | 09/11/2017     |
| FUMIHIRO HOMMA    | 09/11/2017     |

## **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**

| Property Type       | Number   |
|---------------------|----------|
| Application Number: | 15745828 |

#### **CORRESPONDENCE DATA**

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using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.

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| ATTORNEY DOCKET NUMBER:        | PTB-427-419  |
|--------------------------------|--|
| NAME OF SUBMITTER:             | PAUL T. BOWEN  |
| SIGNATURE:                     | /PAUL T. BOWEN/  |
| <b>DATE SIGNED:</b> 01/18/2018 |  |
|                                | This document serves as an Oath/Declaration (37 CFR 1.63). |

## **Total Attachments: 2**

source=427-419\_Declaration\_Assignment#page1.tif source=427-419\_Declaration\_Assignment#page2.tif

PATENT REEL: 044656 FRAME: 0232

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Doc code: Oath

Document Description: Oath or declaration filed

Attorney Docket Number
First Named Inventor Atsushi OGASAWARA

| INVENTOR'S DECLARATION AND ASSIGNMENT FOR UTILITY OR DESIGN PATENT APPLICATION (37 CFR 1.63) USING AN APPLICATION DATA SHEET (37 CFR 1.76)  |  |  |  |  |
|---|--|--|--|--|
| Declaration Submitted With Initial Filing   |  |  |  |  |
| OR .  |  |  |  |  |
| Declaration Submitted After Initial Filing (surcharge (37 C.F.R. § 1.16(f)) required)   |  |  |  |  |
| SEMICONDUCTOR DEVICE MANUFACTURING METHOD AND SEMICONDUCTOR DEVICE  |  |  |  |  |
| (Title of the Invention)  |  |  |  |  |
| As a below named inventor, I hereby declare that:   |  |  |  |  |
| his declaration is directed to:   |  |  |  |  |
| ☐ The attached application,   |  |  |  |  |
| DR .  |  |  |  |  |
| United States Application Number or PCT International application number PCT/JP2016/084913 filed on November 25, 2016   |  |  |  |  |
| he above-identified application was made or authorized to be made by me.  |  |  |  |  |
| believe I am the original inventor or an original joint inventor of a claimed invention in the application.   |  |  |  |  |
| hereby acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001<br>by fine or imprisonment of not more than five (5) years, or both.  |  |  |  |  |
| VHEREAS, the undersigned (hereinafter ASSIGNOR), has made an invention in the Application Identified above.   |  |  |  |  |
| WHEREAS, SHINDENGEN ELECTRIC MANUFACTURING CO., LTD. (hereinafter ASSIGNEE), a corporation of the Country of Japan, having an office and place of business at 2-1, Ohtemachi 2-chome, Chiyoda-ku, Tokyo 100-0004 Japan, is desirous of acquiring an interest therein;   |  |  |  |  |
| NOW, THEREFORE, in consideration of Ten Dollars (\$10.00) and other good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, the said ASSIGNOR by these presents hereby sells, assigns, and transfers unto the said ASSIGNEE, its successors, assigns, and legal epresentatives, ASSIGNOR'S entire right, title and interest in the United States of America and all foreign countries, in and to the invention as described in the aforesaid application, and to the said application and to all subsequent applications based thereon including any and all continuations, divisions, elesues, and substitutes of said application, and all resulting patents, together with the right of priority under the International Convention for the Protection of Industrial Property, Inter-American Convention Relating to Patents, Designs and Industrial Models, and any other international agreements of which the United States of America adheres, and the ASSIGNOR hereby authorizes and requests the Commissioner of Patents and Trademarks to sesue said Letters Patent to ASSIGNEE, for its interest as ASSIGNEE, its successors, assigns, and legal representatives. It is understood and agreed that ASSIGNEE's attorneys Nixon & Vanderhye P.C. have represented only ASSIGNEE and will continue to represent only ASSIGNEE with respect to his invention; |  |  |  |  |
| ASSIGNOR hereby agrees to transfer a like interest upon request of said ASSIGNEE, its successors, assigns, and legal representatives, and without urther remuneration, in and to any improvements, and applications for patents based thereon, growing out of or related to the said invention;   |  |  |  |  |
| ASSIGNOR hereby agrees to execute any papers by ASSIGNEE, its successors, assigns, and legal representatives, deemed essential to ASSIGNEE'S uill protection and title in and to the invention hereby transferred; and  |  |  |  |  |
| ASSIGNOR hereby agrees, upon request of ASSIGNEE, and without further remuneration, to execute any and all papers desired by ASSIGNEE, for the illing and granting of foreign applications and the perfecting of title thereto in ASSIGNEE.   |  |  |  |  |
| AGREED and executed as noted below:   |  |  |  |  |
| EGAL NAME OF SOLE OR FIRST INVENTOR:<br>E.g., Given Name (first and middle (if any)) and Family Name or Surname)  |  |  |  |  |
| Atsushi OGASAWARA   |  |  |  |  |
| nventor's Signature:  Date:   |  |  |  |  |
| Atsushi Gasawara September 11, 2017   |  |  |  |  |
| Vitnessed by:   |  |  |  |  |
| lame:   |  |  |  |  |
| Signature of witness:   |  |  |  |  |

(Page 1 of 2)

Note: PTO Rules state A person may not execute an oath or declaration for an application unless that person has reviewed and understands the contents of the application, including the claims, and is aware of the duty to disclose to the Office all information known to the person to be material to patentability as defined in [37 CFR] § 1.56.

[ ] Additional inventors are being named on the \_

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\_ supplemental sheet(s) PTO/AIA/10 attached hereto

# ADDITIONAL INVENTOR(S) Supplemental Sheet (for PTO/AIA//08/09)

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| Legal Name of Additional Joint Inventor, if any:                          |                    |  |  |  |
|---|--------------------|--|--|--|
| (E.g., Given Name (first and middle (if any)) and Family Name or Surname) |                    |  |  |  |
| Fumihiro  | НОММА              |  |  |  |
| Inventor's  | Date:              |  |  |  |
| Signature: Fumihiro Homma   | September 11, 2017 |  |  |  |
| Witnessed by:   | 1                  |  |  |  |
| Name:   |                    |  |  |  |
| Signature of witness:   | Date:              |  |  |  |
| ognaturo di Minioto.  | Date.              |  |  |  |
| Legal Name of Additional Joint Inventor, if any:                          |                    |  |  |  |
|   | 1997               |  |  |  |
| (E.g., Given Name (first and middle (if any)) and Family Name or Surname) |                    |  |  |  |
|   |                    |  |  |  |
| Inventor's<br>Signature:  | Date:              |  |  |  |
|   |                    |  |  |  |
| Witnessed by:   |                    |  |  |  |
| Name:   |                    |  |  |  |
| Signature of witness:   | Date:              |  |  |  |
|   |                    |  |  |  |
| Legal Name of Additional Joint Inventor, if any:                          |                    |  |  |  |
| (E.g., Given Name (first and middle (if any)) and Family Name or Surname) |                    |  |  |  |
|   |                    |  |  |  |
| Inventor's  | Date:              |  |  |  |
| Signature:  | Date.              |  |  |  |
| Witnessed by:   |                    |  |  |  |
| Name:   |                    |  |  |  |
| Signature of witness:   | Date:              |  |  |  |
| eignature of minious.   | Date.              |  |  |  |

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**PATENT** REEL: 044656 FRAME: 0234