

<b>PATENT ASSIGNMENT COVER SHEET</b>
--------------------------------------

Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT4856040

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
HIROMICHI GOHARA	03/01/2018
KOHEI YAMAUCHI	03/01/2018
SHINJI TADA	03/01/2018
TATSUO NISHIZAWA	03/01/2018
YOSHITAKA NISHIMURA	03/01/2018
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	Fuji Electric Co., Ltd.
<b>Street Address:</b>	1-1 Tanabeshinden, Kawasaki-ku, Kawasaki-shi
<b>City:</b>	Kanagawa
<b>State/Country:</b>	JAPAN
<b>Postal Code:</b>	210-9530
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	15914852
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(240)238-2825
<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.</i>	
<b>Phone:</b>	408-753-1130
<b>Email:</b>	patents@cyiplaw.com
<b>Correspondent Name:</b>	MASAO YOSHIMURA, CHEN YOSHIMURA LLP
<b>Address Line 1:</b>	2975 SCOTT BLVD.
<b>Address Line 2:</b>	SUITE 110
<b>Address Line 4:</b>	SANTA CLARA, CALIFORNIA 95054
<b>ATTORNEY DOCKET NUMBER:</b>	83858.16P01141_US
<b>NAME OF SUBMITTER:</b>	MIWA TYBURSKI
<b>SIGNATURE:</b>	/Miwa Tyburski/
<b>DATE SIGNED:</b>	03/07/2018
This document serves as an Oath/Declaration (37 CFR 1.63).	

**Total Attachments: 2**

source=16P01141\_US\_DeclarationAssignment#page1.tif

source=16P01141\_US\_DeclarationAssignment#page2.tif

**COMBINED DECLARATION AND ASSIGNMENT  
FOR UTILITY APPLICATION**

**Title of  
Invention**

**SEMICONDUCTOR DEVICE**

**DECLARATION**

As a below named inventor, I/we hereby declare that:

This declaration  
is directed to:

- The attached application, or
- United States application or PCT international application  
number \_\_\_\_\_ filed on \_\_\_\_\_

The above-identified application was made or authorized to be made by me/us.

I/we have reviewed and understand the contents of the above-identified application, including the claims, as amended by any amendment specifically referred to above.

I/we acknowledge the duty to disclose to the United States Patent and Trademark Office all information known to me/us to be material to patentability as defined in 37 CFR 1.56, including for continuation-in-part applications, material information which became available between the filing date of the prior application and the national or PCT International filing date of the continuation-in-part application.

I/we believe that I am/we are the original inventor(s) or original joint inventor(s) of a claimed invention in the application.

I/we hereby acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine or imprisonment of not more than five (5) years, or both.

**ASSIGNMENT**

WHEREAS, Fuji Electric Co., Ltd., a corporation of Japan, whose post office address is 1-1 Tanabeshinden, Kawasaki-ku, Kawasaki-shi, Kanagawa 210-9530, 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 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 Power of Attorney in this application, to insert here in parenthesis (Application No. 15/914,852, filed March 7, 2018) the filing date and application number of said application when known.

IN TESTIMONY WHEREOF, I/WE have hereunto set MY/OUR hand(s).

Legal Name of Sole or First Inventor Hiromichi GOHARA	
Signature <i>Hiromichi Gohara</i>	Date <i>March 1, 2018</i>
Legal Name of Second Inventor Kohei YAMAUCHI	
Signature <i>Kohei YAMAUCHI</i>	Date <i>March 7, 2018</i>
Legal Name of Third Inventor Shinji TADA	
Signature <i>Shinji Tada</i>	Date <i>March 1, 2018</i>
Legal Name of Fourth Inventor Tatsuo NISHIZAWA	
Signature <i>Tatsuo Nishizawa</i>	Date <i>March 1, 2018</i>
Legal Name of Fifth Inventor Yoshitaka NISHIMURA	
Signature <i>Yoshitaka Nishimura</i>	Date <i>March 1, 2018</i>