

## PATENT ASSIGNMENT COVER SHEET

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<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
YUICHI ONOZAWA	07/18/2014
HIDENORI TAKAHASHI	07/20/2014
TAKASHI YOSHIMURA	07/23/2014
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	FUJI ELECTRIC CO., LTD.
<b>Street Address:</b>	1-1 Tanabeshinden, Kawasaki-ku
<b>City:</b>	Kawasaki-shi
<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>	14449984
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(703)726-6024
<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>	703-726-6020
<b>Email:</b>	mail@rkmlp.com
<b>Correspondent Name:</b>	ROSSI, KIMMS & MCDOWELL LLP
<b>Address Line 1:</b>	20609 GORDON PARK SQUARE
<b>Address Line 2:</b>	SUITE 150
<b>Address Line 4:</b>	ASHBURN, VIRGINIA 20147
<b>ATTORNEY DOCKET NUMBER:</b>	FUJI-0824
<b>NAME OF SUBMITTER:</b>	TARA WASSING
<b>SIGNATURE:</b>	/TaraWassing/
<b>DATE SIGNED:</b>	08/04/2014
This document serves as an Oath/Declaration (37 CFR 1.63).	
<b>Total Attachments: 2</b>	
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source=FUJI-0824_Signed_Assignment_#page2.tif	

**ASSIGNMENT**  
UNITED STATES PATENT RIGHTS, OR  
UNITED STATES PLUS ALL FOREIGN PATENT RIGHTS

Application No.: 14/449,984

Filed: August 01, 2014

**WHEREAS, Yuichi ONOZAWA, Hidenori TAKAHASHI, Takashi YOSHIMURA**  
(hereinafter designated as the undersigned) has (have) invented certain new and useful improvements in:

Title: **SEMICONDUCTOR DEVICE**

for which an application for Letters Patent of the United States of America has been executed by the undersigned.

**WHEREAS, FUJI ELECTRIC CO., LTD.**

**of 1-1 Tanabeshinden, Kawasaki-ku, Kawasaki-shi 210-9530, Japan,**

its heirs, successors, legal representatives and assigns (hereinafter designated as the Assignee) is desirous of acquiring the entire right, title and interest in and to said invention and in and to any Letters Patent(s) that may be granted therefor in the United States of America and

☒ in any foreign countries.

For good and valuable consideration, the receipt of which is hereby acknowledged, the undersigned has (have) sold, assigned and transferred, and by these presents does (do) sell, assign and transfer unto said Assignee the full and exclusive right to the said invention in the United States of America, its territories, dependencies and possessions and the entire right, title and interest in and to any and all Letters Patent(s) which may be granted therefor in the United States of America, its territories, dependencies and possessions, and if the box above is designated, in any and all foreign countries; and to any and all divisions, reissues, continuations, conversions and extensions thereof for the full term or terms for which the same may be granted.

The undersigned agree(s) to execute all papers necessary in connection with this application and any continuing, divisional, conversion or reissue applications thereof and also to execute separate assignments in connection with such applications as the Assignee may deem necessary or expedient.

The undersigned agree(s) to execute all papers necessary in connection with any interference or post-grant proceeding which may be declared concerning this application or continuation, division, conversion or reissue thereof or Letters Patent(s) or reissue patent issued thereon and to cooperate with the Assignee in every way possible in obtaining and producing evidence and for such proceeding.

The undersigned agree(s) to execute all papers and documents and to perform any act which may be necessary in connection with claims or provisions of the International Convention for the Protection of Industrial Property or similar agreements.

The undersigned agree(s) to perform all affirmative acts which may be necessary to obtain a grant of (a) valid United States of America patent(s) or a grant of (a) valid United States of America and any foreign patent(s) to the Assignee and to vest all rights therein hereby conveyed to said Assignee as fully and entirely as the same would have been held by the undersigned if this Assignment and sale had not been made.

The undersigned hereby authorize(s) and request(s) the Patent and Trademark Office Officials in the United States of America and in any foreign countries to issue any and all Letters Patent(s) resulting from said application or any continuing, divisional conversion or reissue applications thereof to the said Assignee, as Assignee of the entire interest, and hereby covenants that he has (they have) the full right to convey the entire interest herein assigned, and that he has (they have) not executed, and will not execute, any agreement in conflict herewith.

The undersigned hereby grant(s) the law firm of Rossi, Kimms & McDowell LLP the power to insert on this Assignment any further identification, including but not limited to the Attorney Docket Number, which may be necessary or desirable in order to comply with the rules of the U.S. Patent and Trademark Office for recordation of this document.

The undersigned hereby covenant(s) that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this Assignment.

In witness whereof, executed by the undersigned on the date(s) opposite the undersigned name(s).

Date July 18. 2014 Name of Inventor Yuichi Onozawa  
(Signature) Yuichi ONOZAWA

Date July 20. 2014 Name of Inventor Hidenori Takahashi  
(Signature) Hidenori TAKAHASHI

Date July 23. 2014 Name of Inventor Takashi Yoshimura  
(Signature) Takashi YOSHIMURA

Date \_\_\_\_\_ Name of Inventor \_\_\_\_\_  
(Signature)

Date \_\_\_\_\_ Name of Inventor \_\_\_\_\_  
(Signature)

Date \_\_\_\_\_ Name of Inventor \_\_\_\_\_  
(Signature)