

## 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>
	MITSUAKI KIRISAWA	02/10/2014
<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>	14677359	
<b>CORRESPONDENCE DATA</b>		
<b>Fax Number:</b>		
<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>		
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<b>Correspondent Name:</b>	ROSSI, KIMMS & MCDOWELL LLP	
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<b>ATTORNEY DOCKET NUMBER:</b>	FUJI-0783A	
<b>NAME OF SUBMITTER:</b>	CHRISTINE BEKELJA	
<b>SIGNATURE:</b>	/Christine Bekelja/	
<b>DATE SIGNED:</b>	04/02/2015	
<b>Total Attachments: 1</b>		
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\*\*\* ASSIGNMENT \*\*\*

In consideration of the sum of one dollar (\$1.00) and other good and valuable consideration paid to each of the undersigned, the receipt of which is hereby acknowledged, the undersigned agree(s) to assign, and hereby does assign, transfer and set over to:

Name: FUJI ELECTRIC CO., LTD.

Address: 1-1 Tanabeshinden, Kawasaki-ku, Kawasaki-shi 210-9530 JAPAN

(hereinafter designated as the Assignee) the entire right, title and interest for the United States, its territories, dependencies and possessions, in the invention, and all applications for patent and any Letters Patent which may be granted therefore, known as:

Title: SEMICONDUCTOR DEVICE AND SEMICONDUCTOR DEVICE MANUFACTURING METHOD

and identified by the Assignee as 10P50908 US and ATTORNEY DOCKET NUMBER FUJI-0783 for which the undersigned has (have) executed and filed an application for patent in the United States of America on April 2, 2015, and now designated as U.S. Patent Application No. 14/677,359.

The undersigned hereby agree(s) to: (1) execute all papers necessary in connection with the application and any continuing or divisional applications thereof and also to execute separate assignments in connection with such applications as the Assignee may deem necessary or expedient; (2) execute all papers necessary in connection with any interference which may be declared concerning this application or continuation or division thereof and to cooperate with the Assignee in every way possible in obtaining evidence and going forward with such interference; (3) execute all papers and documents and perform any act which may be necessary in connection with claims or provisions of the International Convention of Protection of Industrial Property or similar agreements; and (4) to perform all affirmative acts which may be necessary to obtain a grant of a valid United States patent to the Assignee.

The undersigned hereby authorize(s) and request(s) the Commissioner of Patents to issue any and all Letters Patents of the United States resulting from said applications or any division or divisions or continuing applications thereof to said Assignee, as Assignee of the entire interest, and hereby covenants that the undersigned have full right to convey the entire interest herein assigned, and that the undersigned has (have) not executed and will not execute any agreement in conflict herewith.

The undersigned hereby grant(s) the 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 United States Patent and Trademark Office recordation of this document.

In witness whereof, executed by the undersigned on the date(s) opposite the signature(s) of the undersigned:

	Print Name	Date	Signature
(1)	Mitsuaki KIRISAWA	February 10, 2016	Mitsuaki Kirisawa
(2)		Month Day Year	
(3)		Month Day Year	
(4)		Month Day Year	
(5)		Month Day Year	
(6)		Month Day Year	

This assignment should preferably be signed before: a Notary Public if within the United States of America; a U.S. Consul if outside the United States of America; or before at least two witnesses. Witnessed by:

(1)	Month/Day/Year
(2)	Month/Day/Year