503415947 07/30/2015

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
YOSHIYUKI ISHIGAKI	07/02/2015

RECEIVING PARTY DATA

Name:	RENESAS ELECTRONICS CORPORATION	
Street Address:	reet Address: 1753, SHIMONUMABE, NAKAHARA-KU	
City:	KAWASAKI-SHI, KANAGAWA	
State/Country:	tate/Country: JAPAN	
Postal Code: 211-8668		

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	14807049

CORRESPONDENCE DATA

Fax Number: (703)610-8686

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.

7039039000 Phone:

Email: tpurifoy@milesstockbridge.com, ipdocketing@milesstockbridge.com

Correspondent Name: MITCHELL W. SHAPIRO Address Line 1: MILES & STOCKBRIDGE P.C.

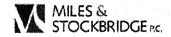
Address Line 2: 1751 PINNACLE DRIVE, SUITE 1500 Address Line 4: TYSONS CORNER, VIRGINIA 22102-3833

ATTORNEY DOCKET NUMBER:	XA-12940/T4698-21782US01	
NAME OF SUBMITTER:	TYNISHA PURIFOY	
SIGNATURE: /Tynisha Purifoy/		
DATE SIGNED: 07/30/2015		

Total Attachments: 2

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> **PATENT REEL: 036217 FRAME: 0159** 503415947



This Declaration is directed to:

As a below-named inventor, I hereby declare that:

COMBINED DECLARATION AND ASSIGNMENT FOR UTILITY OR DESIGN PATENT APPLICATION

DECLARATION

,我们就是一个大大的,我们就是一个人,我们就是一个人的,我们就是一个人的,我们就是一个人的,我们就是一个人的,这个人的,我们就是我们的教
the attached application,
OR LEADING THE SEARCH SERVICE AND A SERVICE SE
United States Application No. or PCT International Application No, filed on, and was amended on,
for the invention entitled <u>Semiconductor Device</u> .
The above-identified application was made or authorized to be made by me.
I believe I am the original inventor or an original joint inventor of a claimed invention in the application.
I have reviewed and understand the contents of the above-identified application, including the claims, as amended by any amendment specifically referred to above.
I acknowledge the duty to disclose information which is material to patentability as defined in 37 C.F.R. § 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 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

IN CONSIDERATION of the sum of One Dollar (\$1.00) or the equivalent thereof, and other good and valuable consideration, receipt and sufficiency of which are hereby acknowledged, paid to me by Renesas Electronics Corporation ("ASSIGNEE"), a corporation or other business entity duly organized under the laws of <u>Japan</u>, whose postal address is <u>1753</u>, Shimonumabe, Nakahara-ku, Kawasaki-shi, Kanagawa 211-8668, Japan,

I do hereby sell, assign, and transfer to ASSIGNEE, its successors, legal representatives, and assigns, all my right, title and interest, in the United States of America, in and to the aboveentitled invention and the above-identified application, all applications claiming the benefit of the above-identified application, including but not limited to all divisions and continuations, all United States Letters Patent which may be granted for the invention, and any reissues or extensions thereof, to be held and enjoyed by ASSIGNEE, its successors, legal representatives, and assigns, to the full end of term for which said Letters Patent may be granted, as fully and entirely as the same would have been held and enjoyed by me if this assignment and sale had not been made:

AND I further covenant and agree that upon request by ASSIGNEE, its successors, legal representatives, and/or assigns, and without further consideration, I will do all lawful acts that may be necessary or desirable to assist ASSIGNEE, its successors, legal representatives,



FOR APPLICATIONS FILED ON OR AFTER SEPTEMBER 16, 2012

and/or assigns to obtain and enforce patent protection for the invention in the United States of America, including, but not limited to, communicate with ASSIGNEE, its successors, legal representatives, and/or assigns any facts known to me regarding the invention, testify in any legal proceeding, sign all lawful papers, execute and deliver all papers that may be necessary or desirable to perfect the title to the invention in ASSIGNEE, its successors, legal representatives, and/or assigns, execute all divisional, continuation, and reissue applications, and make all rightful oaths, it being understood that any expense incident to the rendering of such assistance will be borne by ASSIGNEE, its successors, legal representatives, and/or assigns;

And I do hereby authorize and request the Director of the United States Patent and Trademark Office to issue all Letters Patent for the invention to ASSIGNEE, its successors, legal representatives, and assigns in accordance with the terms of this Assignment.

(1)	Full name of sole or first inventor:	Yoshiyuki ISHIGAKI	
	Date: July 2, 2015	Signature: Yoshiyuki Ishigaki	
	Citizenship: Japanese	Residence: Kawasaki-shi, Kanagawa, Japan	
		Electronics Corporation, 1753, Shimonumabe, Kawasaki-shi, Kanagawa 211-8668, Japan	
(2)	Full name of second joint inventor:		
	Date:	Signature:	
	Citizenship: Post Office Address:	Residence:	
(3)	Full name of third joint inventor:		
	Date:	Signature:	
	Citizenship:Post Office Address:		
(4)	Full name of fourth joint inventor:		
	Date:	Signature:	
	Citizenship:		
(5)	Full name of fifth joint inventor:		
	Date:	Signature:	
	Citizenship:	Residence:	
	Post Office Address:		

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