

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
KOSUKE YOSHIDA	09/29/2014
TETSUYA NITTA	09/29/2014
ATSUSHI SAKAI	09/29/2014
RECEIVING PARTY DATA	
Name:	Renesas Electronics Corporation
Street Address:	1753, Shimonumabe, Nakahara-ku,
City:	Kawasaki-shi, Kanagawa
State/Country:	JAPAN
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	14403225
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ATTORNEY DOCKET NUMBER:	XA-12743/T4698-21181US01
NAME OF SUBMITTER:	MITCHELL W. SHAPIRO
SIGNATURE:	/Mitchell W. Shapiro/
DATE SIGNED:	11/25/2014
Total Attachments: 4	
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COMBINED DECLARATION AND ASSIGNMENT FOR UTILITY OR DESIGN PATENT APPLICATION

DECLARATION

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

This Declaration is directed to:

the attached application,

OR

United States Application No. or PCT International Application No. PCT/JP2014/051674,
filed on January 27, 2014, and was amended on _____.

for the invention entitled Semiconductor Device.

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 Japan, whose postal address is 1753, 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 above-entitled 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,

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: Kosuke YOSHIDA
Date: September 29, 2014 Signature: Kosuke Yoshida
Citizenship: Japanese Residence: Kawasaki-shi, Kanagawa, Japan
Post Office Address: c/o Renesas Electronics Corporation, 1753, Shimonumabe,
Nakahara-ku, Kawasaki-shi, Kanagawa 211-8668, Japan
- (2) Full name of second joint inventor: Tetsuya NITTA
Date: _____ Signature: _____
Citizenship: Japanese Residence: Kawasaki-shi, Kanagawa, Japan
Post Office Address: c/o Renesas Electronics Corporation, 1753, Shimonumabe,
Nakahara-ku, Kawasaki-shi, Kanagawa 211-8668, Japan
- (3) Full name of third joint inventor: Atsushi SAKAI
Date: _____ Signature: _____
Citizenship: Japanese Residence: Kawasaki-shi, Kanagawa, Japan
Post Office Address: c/o Renesas Electronics Corporation, 1753, Shimonumabe,
Nakahara-ku, Kawasaki-shi, Kanagawa 211-8668, Japan
- (4) Full name of fourth joint inventor: _____
Date: _____ Signature: _____
Citizenship: _____ Residence: _____
Post Office Address: _____
- (5) Full name of fifth joint inventor: _____
Date: _____ Signature: _____
Citizenship: _____ Residence: _____
Post Office Address: _____

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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: Kosuke YOSHIDA
Date: _____ Signature: _____
Citizenship: Japanese Residence: Kawasaki-shi, Kanagawa, Japan
Post Office Address: c/o Renesas Electronics Corporation, 1753, Shimonumabe,
Nakahara-ku, Kawasaki-shi, Kanagawa 211-8668, Japan
- (2) Full name of second joint inventor: Tetsuya NITTA
Date: September 29, 2014 Signature: TETSUYA NITTA
Citizenship: Japanese Residence: Kawasaki-shi, Kanagawa, Japan
Post Office Address: c/o Renesas Electronics Corporation, 1753, Shimonumabe,
Nakahara-ku, Kawasaki-shi, Kanagawa 211-8668, Japan
- (3) Full name of third joint inventor: Atsushi SAKAI
Date: September 29, 2014 Signature: Atsushi SAKAI
Citizenship: Japanese Residence: Kawasaki-shi, Kanagawa, Japan
Post Office Address: c/o Renesas Electronics Corporation, 1753, Shimonumabe,
Nakahara-ku, Kawasaki-shi, Kanagawa 211-8668, Japan
- (4) Full name of fourth joint inventor: _____
Date: _____ Signature: _____
Citizenship: _____ Residence: _____
Post Office Address: _____
- (5) Full name of fifth joint inventor: _____
Date: _____ Signature: _____
Citizenship: _____ Residence: _____
Post Office Address: _____