

PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
Koichiro Sakanishi	09/05/2011
Tsuyoshi Kachi	09/05/2011
Koji Fujishima	09/05/2011
RECEIVING PARTY DATA	
Name:	Renesas Electronics Corporation
Street Address:	1753, Shimonumabe,
Internal Address:	Nakahara-ku, Kawasaki-shi
City:	Kanagawa
State/Country:	JAPAN
Postal Code:	211-8668
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	13238849
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ATTORNEY DOCKET NUMBER:	R150 1180US.1
NAME OF SUBMITTER:	Nanda K. Alapati
Total Attachments: 3 source=R150_1180US_1_Assignment_R100302US01#page1.tif source=R150_1180US_1_Assignment_R100302US01#page2.tif source=R150_1180US_1_Assignment_R100302US01#page3.tif	

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ASSIGNMENT

WHEREAS, as a below named inventor, I, ASSIGNOR, am an inventor of the invention entitled:

**Power Semiconductor Device Having Gate Electrode Coupling Portions
for Etchant Control**

which:

- is attached hereto;
- is identified as WCSR Docket No. R150 1180.1;
- was filed on _____ as United States Application Serial No. _____;
- was filed on _____ as PCT International Application No. _____ and designated the United States.

WHEREAS, Renesas Electronics Corporation, having a business address at 1753, Shimonumabe, Nakahara-ku, Kawasaki-shi, Kanagawa, Japan, ASSIGNEE, is desirous of obtaining the entire right, title and interest in, to and under the said invention and said application in the United States;

NOW, THEREFORE, in consideration of good and valuable consideration, I, ASSIGNOR, have sold, assigned, transferred and set over, and by these presents do hereby sell, assign, transfer and set over, unto the ASSIGNEE, its successors, legal representatives and assigns, for the territory of the United States of America, and not elsewhere, the entire right, title and interest in, to and under said United States application and said invention as fully set forth and described therein, and all divisions, renewals and continuations thereof, and all Patents of the United States which may be granted thereon and all reissues, reexamination certificates and extensions thereof; together with the right to file said application in the United States and the right to claim for the same the priority rights derived from any earlier filed application under the Patent Laws of the United States, the International Convention for the Protection of Industrial Property or any other international agreement, as may be applicable.

AND I, ASSIGNOR, HEREBY authorize and request the Commissioner of Patents and Trademarks of the United States to issue said application to the said ASSIGNEE, its successors, legal representatives and assigns, in accordance with the terms of this instrument.

AND I, ASSIGNOR, HEREBY covenant and agree that I have full right to convey the entire interest herein assigned, and that I have not executed, and will not execute, any agreement in conflict herewith.

AND I, ASSIGNOR, HEREBY further covenant and agree that I will communicate to the said ASSIGNEE, its successors, legal representatives and assigns, any facts known to me respecting

said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuing, reissue and applications and reexamination papers, make all rightful oaths, and generally do everything possible to aid the said ASSIGNEE, its successors, legal representatives and assigns, to obtain and enforce proper protection for said invention in the United States.

IN WITNESS WHEREOF, the undersigned inventor has affixed his signature.

1. Koichiro Sakanishi September 5, 2011
Name: Koichiro SAKANISHI Date
Residence Address: Kanagawa, Japan
Post Office Address: c/o Renesas Electronics Corporation, 1753, Shimonumabe, Nakahara-ku,
Kawasaki-shi, Kanagawa 211-8668, Japan
Citizenship: Japanese

Hara Ikuo September 5th, 2011
Witness Date

Witness Date

2. Tsuyoshi Kachi September 5, 2011
Name: Tsuyoshi KACHI Date
Residence Address: Kanagawa, Japan
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Citizenship: Japanese

Hara Ikuo September 5th, 2011
Witness Date

Witness Date

3.

Koji Fujishima

September 5, 2011

Name: Koji FUJISHIMA
Residence Address: Kanagawa, Japan
Post Office Address: c/o Renesas Electronics Corporation, 1753, Shimonumabe, Nakahara-ku,
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Citizenship: Japanese

Date

Hara Ikuo

September 5th, 2011

Witness

Date

Witness

Date