

## PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT										
NATURE OF CONVEYANCE:	ASSIGNMENT										
CONVEYING PARTY DATA											
<table border="1"> <thead> <tr> <th>Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>Michi KUMAGAI</td> <td>02/08/2013</td> </tr> <tr> <td>Tetsuya NAKAGAWA</td> <td>02/08/2013</td> </tr> </tbody> </table>		Name	Execution Date	Michi KUMAGAI	02/08/2013	Tetsuya NAKAGAWA	02/08/2013				
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RECEIVING PARTY DATA											
<table border="1"> <tr> <td>Name:</td> <td>Renesas Electronics Corporation</td> </tr> <tr> <td>Street Address:</td> <td>1753, Shimonumabe, Nakahara-ku,</td> </tr> <tr> <td>City:</td> <td>Kawasaki-shi, Kanagawa</td> </tr> <tr> <td>State/Country:</td> <td>JAPAN</td> </tr> <tr> <td>Postal Code:</td> <td>211-8668</td> </tr> </table>		Name:	Renesas Electronics Corporation	Street Address:	1753, Shimonumabe, Nakahara-ku,	City:	Kawasaki-shi, Kanagawa	State/Country:	JAPAN	Postal Code:	211-8668
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PROPERTY NUMBERS Total: 1											
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CORRESPONDENCE DATA											
<p>Fax Number: 404887490  <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i></p> <p>Phone: 703-394-2216        Email: cblackburn@WCSR.COM        Correspondent Name: WOMBLE CARLYLE SANDRIDGE &amp; RICE, LLP        Address Line 1: ATTN: IP DOCKETING        Address Line 2: P.O. BOX 7037        Address Line 4: ATLANTA, GEORGIA 30357-0037</p>											
ATTORNEY DOCKET NUMBER:	R150 1360US.1										
NAME OF SUBMITTER:	Nanda K. Alapati										
<p>Total Attachments: 2        source=R150_1360US_1_Assignment_R110286US01#page1.tif        source=R150_1360US_1_Assignment_R110286US01#page2.tif</p>											

CH \$40.00 13766329

## ASSIGNMENT

WHEREAS, as a below named inventor, I, ASSIGNOR, am the original, first and sole (if only one inventor is named) or joint (if more than one inventor is named) inventor, of the invention entitled:

### SEMICONDUCTOR DEVICE AND VOICE COMMUNICATION DEVICE

which is:

- ☒ is attached hereto;
- ☒ is identified as WCSR Docket No. R150 1360US.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 211-8668, ASSIGNEE, is desirous of obtaining the entire right, title and interest in, to and under the said invention and said application;

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,

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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. Michi Kumagai February 8, 2013  
Name: Michi KUMAGAI  
Residence Address: Kanagawa, Japan  
Post Office Address: c/o Renesas Electronics Corporation, 1753, Shimonumabe, Nakahara-ku,  
Kawasaki-shi, Kanagawa, Japan 211-8668  
Citizenship: Japanese

Goshigaki Ato  
Witness

Feb. 8, 2013  
Date

Witness

Date

2. Tetsuya Nakagawa February 8, 2013  
Name: Tetsuya NAKAGAWA  
Residence Address: Kanagawa, Japan  
Post Office Address: c/o Renesas Electronics Corporation, 1753, Shimonumabe, Nakahara-ku,  
Kawasaki-shi, Kanagawa, Japan 211-8668  
Citizenship: Japanese

Goshigaki Ato  
Witness

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