

**PATENT ASSIGNMENT**

Electronic Version v1.1  
 Stylesheet Version v1.1

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT								
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT								
<b>CONVEYING PARTY DATA</b>									
<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width:70%;">Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>FUMIHIKO NITTA</td> <td>02/03/2009</td> </tr> <tr> <td>YOSHIKAZU IIDA</td> <td>02/03/2009</td> </tr> <tr> <td>TAKASHI YAMAKI</td> <td>02/03/2009</td> </tr> </tbody> </table>		Name	Execution Date	FUMIHIKO NITTA	02/03/2009	YOSHIKAZU IIDA	02/03/2009	TAKASHI YAMAKI	02/03/2009
Name	Execution Date								
FUMIHIKO NITTA	02/03/2009								
YOSHIKAZU IIDA	02/03/2009								
TAKASHI YAMAKI	02/03/2009								
<b>RECEIVING PARTY DATA</b>									
<b>Name:</b>	RENESAS TECHNOLOGY CORP.								
<b>Street Address:</b>	6-2, Otemachi 2-chome, Chiyoda-ku								
<b>City:</b>	Tokyo 100-0004								
<b>State/Country:</b>	JAPAN								
<b>PROPERTY NUMBERS Total: 1</b>									
<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width:30%;">Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>12370283</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	12370283				
Property Type	Number								
Application Number:	12370283								
<b>CORRESPONDENCE DATA</b>									
<b>Fax Number:</b>	(202)756-8087								
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>									
<b>Phone:</b>	202-756-8000								
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<b>Address Line 4:</b>	WASHINGTON, DISTRICT OF COLUMBIA 20005-3096								
<b>ATTORNEY DOCKET NUMBER:</b>	067161-0532								
<b>NAME OF SUBMITTER:</b>	Stephen A. Becker 26,527								
<b>Total Attachments: 3</b> source=ASSI_067161-0532#page1.tif source=ASSI_067161-0532#page2.tif source=ASSI_TRANSMITTAL_067161-0532#page1.tif									

CH \$40.00 12370283

Attorney Docket No.: \_\_\_\_\_

### ASSIGNMENT

WHEREAS, Fumihiko NITTA, Yoshikazu IIDA, and Takashi YAMAKI, hereinafter called the "Assignors," have jointly invented a new and useful invention entitled Semiconductor Device Including Resistance Storage Element, for which he has:

- (a) filed an application for United States Letters Patent on \_\_\_\_\_ as (Serial No. \_\_\_\_\_); or
- (b) executed an application for United States Letters Patent on February 3, 2009; or
- (c) filed a provisional application on \_\_\_\_\_ as (Serial No. \_\_\_\_\_); and

WHEREAS, Renesas Technology Corp., a corporation organized and existing under the laws of Japan, having a place of business at: 6-2, Otemachi 2-chome, Chiyoda-ku, Tokyo 100-0004 Japan, hereinafter called the "Assignee," is desirous of acquiring the entire right, title and interest in and to said invention, the application above identified, and in, to and under any Letters Patent which may be obtained to said invention, as hereinafter more fully set forth;

NOW, THEREFORE, TO ALL WHOM IT MAY CONCERN, be it known that for and in consideration of the sum of One Dollar (\$1.00), and other valuable and legally sufficient considerations, the receipt of which by said Assignors from the said Assignee is hereby acknowledged, the said Assignors have sold, assigned and transferred, and by these presents do sell, assign and transfer unto the said Assignee, the entire, right, title and interest for the United States in and to the invention and application hereinabove identified, and any Letters Patent of the United States that may issue for said invention, together with the entire right, title and interest in and to said invention and applications for Letters Patent and Letters Patent therefor, in all countries foreign to the United States, including the full right to claim for any such application all benefits and priority rights under any applicable convention; to have and to hold for the sole and exclusive use and benefit of the said Assignee, its successors and assigns, to the full end of the term or terms for which any and all of said Letters Patent for said inventions may issue.

And the said Assignors do hereby covenant and agree, for himself and his legal representatives, that he will assist the said Assignee in the prosecution of the application herein identified; in the making and prosecution of any other applications for Letters Patent that the said Assignee may elect to make covering the invention herein identified, as hereinabove set forth; in vesting in the said Assignee like exclusive title in and to all such other applications and Letters Patent; and in the prosecution of any interference which may arise involving said invention, or any application or Letters Patent herein contemplated; and that they will execute and deliver to the said Assignee any and all additional papers which may be requested by the said Assignee to fully carry out the terms of this Assignment.

The undersigned hereby grant(s) the attorneys of McDermott, Will & Emery LLP the power to insert on this Assignment any further identification which may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document.

And the Commissioner of Patents and Trademarks is hereby authorized and requested to issue Letters Patent to the said Assignee in accordance with the terms of this Assignment.

IN TESTIMONY WHEREOF, the said Assignors have hereunto set his hands and affixed his seal.

Date: February 3, 2009

Fumihiko Nitta (Seal)  
Fumihiko NITTA

Date: February 3, 2009

Yoshikazu Iida (Seal)  
Yoshikazu IIDA

Date: February 3, 2009

Takashi Yamaki (Seal)  
Takashi YAMAKI

Date: \_\_\_\_\_

\_\_\_\_\_ (Seal)

Date: \_\_\_\_\_

\_\_\_\_\_ (Seal)

Date: \_\_\_\_\_

\_\_\_\_\_ (Seal)

RECORDATION FORM COVER SHEET

**Docket No.: 067161-0532**

**PATENTS ONLY**

To the Director of the U. S. Patent and Trademark Office: Please record the attached documents or the new address(es) below.

<p><b>1. Name of Conveying Party(ies)</b>  <b>Fumihiko NITTA, Yoshikazu IIDA, Takashi YAMAKI</b></p> <p>Additional name(s) of conveying party(ies) attached? <input type="checkbox"/> Yes <input type="checkbox"/> No</p>	<p><b>2. Name and address of receiving party(ies)</b>                  Name: <b>RENESAS TECHNOLOGY CORP.</b>                  Internal Address:</p>
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<p><b>3. Nature of Conveyance/Execution Date(s)</b></p> <p>Execution Date(s): <b>February 3, 2009</b></p> <p><input checked="" type="checkbox"/> Assignment <span style="margin-left: 150px;"><input type="checkbox"/> Merger</span>  <input type="checkbox"/> Security Agreement <span style="margin-left: 100px;"><input type="checkbox"/> Change of Name</span>  <input type="checkbox"/> Joint Research Agreement  <input type="checkbox"/> Government Interest Assignment  <input type="checkbox"/> Executive Order 9424, Confirmatory License  <input type="checkbox"/> Other</p>	<p>Address: <b>6-2, Otemachi 2-chome, Chiyoda-ku, Tokyo                  100-0004 JAPAN</b></p> <p>Additional name(s) &amp; address(es) attached? <input type="checkbox"/> Yes <input type="checkbox"/> No</p>
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<p><b>4. Application or patent number(s):</b>                  A. Patent Application No(s).</p> <p align="center">Additional numbers attached? <input type="checkbox"/> Yes <input type="checkbox"/> No</p>	<p><input checked="" type="checkbox"/> This document is being filed together with a new application.                  B. Patent No(s).</p>
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<p><b>5. Name and address to whom correspondence concerning document should be mailed:</b></p> <p>Name: <b>MCDERMOTT WILL &amp; EMERY LLP</b>                  Internal Address:                  Street Address: <b>600 13th Street, N.W.</b>                  City: <b>Washington</b> State: <b>D. C.</b> Zip: <b>20005-3096</b>                  Phone Number: <b>202.756.8000</b>                  Fax Number: <b>202.756.8087</b>                  Email Address:</p>	<p><b>6. Total number of applications and patents involved:</b></p> <p><b>7. Total fee (37 CFR 1.21(h) &amp; 3.41) \$40.00</b></p> <p><input type="checkbox"/> Authorized to be charged by credit card  <input checked="" type="checkbox"/> Authorized to be charged to deposit account  <input type="checkbox"/> Enclosed  <input type="checkbox"/> None required (government interest not affecting title)</p> <p><b>8. Payment Information:</b></p> <p>a. Credit Card Last 4 Numbers _____                  Expiration Date _____</p> <p>b. Deposit Account Number <b>500417</b>                  Authorized User Name _____</p>
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**9. Signature.**  
**Stephen A. Becker 26,527** **February 12, 2009**

Name and Registration No. of Person Signing	Signature	Date
Total number of pages including cover sheet, attachments and documents:		<b>3</b>