

## PATENT ASSIGNMENT

Electronic Version v1.1

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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>Tetsuo Sato</td><td>04/05/2011</td></tr><tr><td>Tsutomu Kawano</td><td>04/05/2011</td></tr><tr><td>Koji Kashimoto</td><td>04/05/2011</td></tr><tr><td>Takao Hidaka</td><td>04/05/2011</td></tr><tr><td>Tsuyoshi Ota</td><td>04/05/2011</td></tr><tr><td>Ryoji Kato</td><td>04/05/2011</td></tr></tbody></table>	Name	Execution Date	Tetsuo Sato	04/05/2011	Tsutomu Kawano	04/05/2011	Koji Kashimoto	04/05/2011	Takao Hidaka	04/05/2011	Tsuyoshi Ota	04/05/2011	Ryoji Kato	04/05/2011	
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Ryoji Kato	04/05/2011														
RECEIVING PARTY DATA															
Name:	Renesas Electronics America Inc.														
Street Address:	2880 Scott Boulevard														
City:	Santa Clara														
State/Country:	CALIFORNIA														
Postal Code:	95050-2554														
PROPERTY NUMBERS Total: 1															
<table border="1"><thead><tr><th>Property Type</th><th>Number</th></tr></thead><tbody><tr><td>Application Number:</td><td>13088541</td></tr></tbody></table>	Property Type	Number	Application Number:	13088541											
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Application Number:	13088541														
CORRESPONDENCE DATA															
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NAME OF SUBMITTER:	Roz Donaldson														
Total Attachments: 1 source=NEC0277US_Asg#page1.tif															

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PATENT  
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**ASSIGNMENT**

For good and valuable consideration, receipt of which is hereby acknowledged, we

<u>Tetsuo Sato</u>	of	<u>San Jose, California</u>
<u>Tsutomu Kawano</u>	of	<u>Kanagawa, Japan</u>
<u>Koji Kashimoto</u>	of	<u>Tokyo, Japan</u>
<u>Takao Hidaka</u>	of	<u>Tokyo, Japan</u>
<u>Tsuyoshi Ota</u>	of	<u>Tokyo, Japan</u>
<u>Ryoji Kato</u>	of	<u>Tokyo, Japan</u>

hereby sell, assign and transfer to Renesas Electronics America Inc., a California corporation, having a place of business at 2880 Scott Boulevard, Santa Clara, California, 95050-2554, its successors and assigns, the entire right, title and interest throughout the world in our invention in:

**BATTERY MANAGEMENT CONTROL METHOD**

for which we have executed a United States patent application on April 18, 2011 [filing date], which now has Application No. 13/088,541, and all patent applications and patents of every country for said invention, including divisions, reissues, continuations and extensions thereof, and all rights of priority resulting from the filing of said applications; we authorize the above-named assignee to apply for patents of foreign countries for said invention, and to claim all rights of priority without further authorization from us; we agree to execute all papers useful in connection with said United States and foreign applications, and generally to do everything possible to aid said assignee, their successors, assigns and nominees, at their request and expense, in obtaining and enforcing patents for said invention in all countries; and we request that the United States Patent and Trademark Office issue all patents granted for said invention to the above-named assignee, its successors and assigns.

We further authorize and request the attorneys appointed as representatives in this application to hereafter complete this assignment by inserting above the filing date and application number of this application when known.

Executed this 5th day of April, 2011. Tetsuo Sato  
Tetsuo Sato

Executed this 5th day of April, 2011. Tsutomu Kawano  
Tsutomu Kawano

Executed this 5th day of April, 2011. Koji Kashimoto  
Koji Kashimoto

Executed this 5th day of April, 2011. Takao Hidaka  
Takao Hidaka

Executed this 5th day of April, 2011. Tsuyoshi Ota  
Tsuyoshi Ota

Executed this 5th day of April, 2011. Ryoji Kato  
Ryoji Kato