

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>Noriaki MATSUNO</td> <td>02/21/2013</td> </tr> <tr> <td>Tatsuhiko MARUYAMA</td> <td>02/21/2013</td> </tr> </tbody> </table>		Name	Execution Date	Noriaki MATSUNO	02/21/2013	Tatsuhiko MARUYAMA	02/21/2013		
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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, Kawasaki-shi</td> </tr> <tr> <td>City:</td> <td>Kanagawa</td> </tr> <tr> <td>State/Country:</td> <td>JAPAN</td> </tr> </table>		Name:	Renesas Electronics Corporation	Street Address:	1753, Shimonumabe, Nakahara-ku, Kawasaki-shi	City:	Kanagawa	State/Country:	JAPAN
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CORRESPONDENCE DATA									
<p>Fax Number: 7036841157 <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i></p> <p>Phone: 7036841120 Email: jmartinez@mmpiaw.com Correspondent Name: Mattingly & Malur, PC Address Line 1: 1800 Diagonal Road Address Line 2: Suite 370 Address Line 4: Alexandria, VIRGINIA 22314</p>									
ATTORNEY DOCKET NUMBER:	AKA-8685								
NAME OF SUBMITTER:	John R. Mattingly								
<p>Total Attachments: 1 source=8685-Assignment#page1.tif</p>									

OP \$40.00 13753178

ASSIGNMENT

As a below named inventor, I hereby declare that:

IN CONSIDERATION of the sum of One Dollar (\$1.00) or the equivalent thereof, and other good and valuable consideration paid to me, a citizen of Kanagawa, Japan, by RENESAS ELECTRONICS CORPORATION (hereinafter referred to as ASSIGNEE), a corporation organized under the laws of Japan, located at 1753, Shimonumabe, Nakahara-ku, Kawasaki-shi, Kanagawa, Japan, receipt of which is hereby acknowledged I do hereby sell and assign to said ASSIGNEE, its successors and assigns, all my right, title and interest, in and for the United States of America, in and to application serial no. ~~January 29, 2013, filed on 13/753,178, and entitled:~~ 13/753,178, filed on Jan.29, 2013, and entitled:

LEVEL SHIFT CIRCUIT

invented by me (if only one is named below) or us (if plural inventors are named below) and described in the application for United States Letters Patent therefor, executed on even date herewith, and all United States Letters Patent which may be granted therefor, and all divisions, continuations and extensions thereof, said interest being the entire ownership of said Letters Patent when granted, to be held and enjoyed by said ASSIGNEE, its successors, assigns or other legal representatives, 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 or us if this assignment and sale had not been made;

And I hereby agree to sign and execute any further documents or instruments which may be necessary, lawful, and proper in the prosecution of the above-named application or in the preparation and prosecution of any continuing, continuation-in-part, substitute, divisional, renewal, reviewed or reissue applications or in any amendment, extension, or interference proceedings, or otherwise to secure the title thereto in said assignee;

Whereby, I hereby grant the law firm of MATTINGLY & MALUR, P.C., 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, including inserting the application serial number and filing date when known.

And I do hereby authorize and request the Commissioner of Patents to issue said Letters Patent to said ASSIGNEE.

Signed on the date(s) indicated aside signatures:

INVENTOR

Date Signed

1) Noriaki Matsuno
Noriaki MATSUNO

February 21, 2013

2) Tatsuhiko Maruyama
Tatsuhiko MARUYAMA

February 21, 2013