

PATENT ASSIGNMENT

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| SUBMISSION TYPE: | NEW ASSIGNMENT |
| NATURE OF CONVEYANCE: | ASSIGNMENT |
| CONVEYING PARTY DATA | |
| Name | Execution Date |
| Manabu FURUTA | 02/04/2011 |
| RECEIVING PARTY DATA | |
| Name: | Renesas Electronics Corporation |
| Street Address: | 1753 Shimonumabe, Nakahara-ku, Kawasaki |
| City: | Kanagawa |
| State/Country: | JAPAN |
| Postal Code: | 211-8668 |
| PROPERTY NUMBERS Total: 1 | |
| Property Type | Number |
| Application Number: | 13041084 |
| CORRESPONDENCE DATA | |
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| Total Attachments: 1 source=ASSIGNMENT_AS_FILED#page1.tif | |

OP \$40.00 13041084

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PATENT
REEL: 025908 FRAME: 0319

Assignment

Whereas, I/We, Manabu FURUTA of c/o Renesas Electronics Corporation,
1753 Shimonumabe, Nakahara-ku, Kawasaki, Kanagawa 211-8668, Japan,
hereinafter called assignor(s), have invented certain improvements in
PHASE LOCKED LOOP CIRCUIT AND CONTROL METHOD THEREOF

_____ and executed
an application for Letters Patent of the United States of America therefor on
February 4, 2011 ; and

Whereas, Renesas Electronics Corporation
1753 Shimonumabe, Nakahara-ku,
Kawasaki, Kanagawa 211-8668,
Japan

(assignee), desires to acquire the entire right, title, and interest in the application and invention,
and to any United States patents to be obtained therefor;

Now therefore, for valuable consideration, receipt whereof is hereby acknowledged,

I/We, the above named assignor(s), hereby sell, assign and transfer to the above named
assignee, its successors and assigns, the entire right, title and interest in the application and the
invention disclosed therein for the United States of America, including the right to claim priority
under 35 U.S.C. §119, and I/we request the Director of the U.S. Patent and Trademark Office to
issue any Letters Patent granted upon the invention set forth in the application to the assignee, its
successors and assigns; and I/we will execute without further consideration all papers deemed
necessary by the assignee in connection with the United States application when called upon to
do so by the assignee.

I/We hereby authorize and request our attorneys SUGHRUE MION, PLLC of 2100
Pennsylvania Avenue, NW, Washington, DC 20037-3213 to insert here in parentheses
(Application number 13/041,084 and Confirmation number
4248, filed March 4, 2011) the application
number and filing date of said application when known.

Date: February 4, 2011

Manabu Furuta
s/ Manabu FURUTA

Date: _____

s/

Date: _____

s/

Date: _____

s/

(Legalization not required for recording but is prima facie evidence of execution under 35 U.S.C. §261)