

**PATENT ASSIGNMENT**

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SUBMISSION TYPE:	NEW ASSIGNMENT														
NATURE OF CONVEYANCE:	ASSIGNMENT														
<b>CONVEYING PARTY DATA</b>															
<table border="1"> <thead> <tr> <th>Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>Yuichi SAITO</td> <td>02/18/2011</td> </tr> <tr> <td>Masao MORIGUCHI</td> <td>02/18/2011</td> </tr> <tr> <td>Tokuo YOSHIDA</td> <td>02/24/2011</td> </tr> <tr> <td>Yasuaki IWASE</td> <td>02/18/2011</td> </tr> <tr> <td>Yohsuke KANZAKI</td> <td>02/18/2011</td> </tr> <tr> <td>Mayuko SAKAMOTO</td> <td>02/21/2011</td> </tr> </tbody> </table>		Name	Execution Date	Yuichi SAITO	02/18/2011	Masao MORIGUCHI	02/18/2011	Tokuo YOSHIDA	02/24/2011	Yasuaki IWASE	02/18/2011	Yohsuke KANZAKI	02/18/2011	Mayuko SAKAMOTO	02/21/2011
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<b>RECEIVING PARTY DATA</b>															
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State/Country:	JAPAN														
Postal Code:	545-8522														
<b>PROPERTY NUMBERS Total: 1</b>															
<table border="1"> <thead> <tr> <th>Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>13119210</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13119210										
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<b>CORRESPONDENCE DATA</b>															
Fax Number:	(571)313-7421														
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ATTORNEY DOCKET NUMBER:	70404.716/OK														

OP \$40.00 13119210

**501468860**

**PATENT  
 REEL: 025965 FRAME: 0589**

NAME OF SUBMITTER:

Michelle Rhodes

Total Attachments: 2

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**ASSIGNMENT (WORLDWIDE)**

WHEREAS, We, Yuichi SAITO, Masao MORIGUCHI, Tokuo YOSHIDA, Yasuaki IWASE, Yohsuke KANZAKI and Mayuko SAKAMOTO (hereinafter referred to as ASSIGNOR), have invented and own a certain invention entitled **SEMICONDUCTOR DEVICE**,

for which application for Letters Patent of the United States has been

\_\_\_\_\_ executed on even date herewith;  
X filed on 03/16/11 as Serial No. 13/119,210.

WHEREAS, **SHARP KABUSHIKI KAISHA, 22-22, Nagaike-cho, Abeno-ku, Osaka-shi, Osaka 545-8522 JAPAN** (hereinafter referred to as ASSIGNEE), is desirous of acquiring the entire interest in, to and under said invention and the United States Letters Patent to be obtained therefor;

NOW, THEREFORE, TO ALL WHOM IT MAY CONCERN: Be it known that in consideration of the payment by ASSIGNEE to ASSIGNOR of the sum of One Dollar (\$1.00), the receipt of which is hereby acknowledged, and for other good and valuable consideration, ASSIGNOR hereby sells, assigns and transfers to ASSIGNEE the full and exclusive right, title and interest to the said invention and all Letters Patent of the United States to be obtained therefor on said application or any continuation, division, renewal, substitute or reissue thereof for the full term or terms for which the same may be granted; and all Letters Patent and applications therefor through the world, including all the rights accruing by virtue of the International Convention for the Protection of Industrial Property.

ASSIGNOR hereby covenants that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this assignment and sale;

ASSIGNOR further covenants that ASSIGNEE will, upon its request, be provided promptly with all pertinent facts and documents relating to said application, said invention and said Letters Patent as may be known and accessible to ASSIGNOR and will testify as to the same in any interference or litigation related thereto and will promptly execute and deliver to ASSIGNEE or its legal representative any and all papers, instruments or affidavits required to apply for, obtain, maintain and enforce said application, said invention and said Letters Patent which may be necessary or desirable to carry out the purposes hereof.

Dated: February 18, 2011

Yuichi Saito  
(Yuichi SAITO)

Dated: February 18, 2011

Masao Moriguchi  
(Masao MORIGUCHI)

Dated: February 24, 2011

Tokuo Yoshida  
(Tokuo YOSHIDA)

Dated: February 18, 2011

Yasuaki Iwase  
(Yasuaki IWASE)

Dated: February 18, 2011

Yosuke Kanzaki  
(Yosuke KANZAKI)

Dated: February 21, 2011

Mayuko Sakamoto  
(Mayuko SAKAMOTO)