

# PATENT ASSIGNMENT

Electronic Version v1.1  
 Stylesheet Version v1.1

| SUBMISSION TYPE:                                                                                                                                                                                                                                                                                                                                                                                     | NEW ASSIGNMENT                            |               |                                           |                     |            |            |                          |                 |            |              |          |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------|---------------|-------------------------------------------|---------------------|------------|------------|--------------------------|-----------------|------------|--------------|----------|
| NATURE OF CONVEYANCE:                                                                                                                                                                                                                                                                                                                                                                                | ASSIGNMENT                                |               |                                           |                     |            |            |                          |                 |            |              |          |
| <b>CONVEYING PARTY DATA</b>                                                                                                                                                                                                                                                                                                                                                                          |                                           |               |                                           |                     |            |            |                          |                 |            |              |          |
| <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 70%;">Name</th> <th style="width: 30%;">Execution Date</th> </tr> </thead> <tbody> <tr> <td>Shunpei Yamazaki</td> <td>09/22/2010</td> </tr> <tr> <td>Jun Koyama</td> <td>09/24/2010</td> </tr> <tr> <td>Hiroyuki Miyake</td> <td>09/29/2010</td> </tr> </tbody> </table>                           |                                           | Name          | Execution Date                            | Shunpei Yamazaki    | 09/22/2010 | Jun Koyama | 09/24/2010               | Hiroyuki Miyake | 09/29/2010 |              |          |
| Name                                                                                                                                                                                                                                                                                                                                                                                                 | Execution Date                            |               |                                           |                     |            |            |                          |                 |            |              |          |
| Shunpei Yamazaki                                                                                                                                                                                                                                                                                                                                                                                     | 09/22/2010                                |               |                                           |                     |            |            |                          |                 |            |              |          |
| Jun Koyama                                                                                                                                                                                                                                                                                                                                                                                           | 09/24/2010                                |               |                                           |                     |            |            |                          |                 |            |              |          |
| Hiroyuki Miyake                                                                                                                                                                                                                                                                                                                                                                                      | 09/29/2010                                |               |                                           |                     |            |            |                          |                 |            |              |          |
| <b>RECEIVING PARTY DATA</b>                                                                                                                                                                                                                                                                                                                                                                          |                                           |               |                                           |                     |            |            |                          |                 |            |              |          |
| <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 20%;">Name:</td> <td>Semiconductor Energy Laboratory Co., Ltd.</td> </tr> <tr> <td>Street Address:</td> <td>398, Hase</td> </tr> <tr> <td>City:</td> <td>Atsugi-shi, Kanagawa-ken</td> </tr> <tr> <td>State/Country:</td> <td>JAPAN</td> </tr> <tr> <td>Postal Code:</td> <td>243-0036</td> </tr> </table> |                                           | Name:         | Semiconductor Energy Laboratory Co., Ltd. | Street Address:     | 398, Hase  | City:      | Atsugi-shi, Kanagawa-ken | State/Country:  | JAPAN      | Postal Code: | 243-0036 |
| Name:                                                                                                                                                                                                                                                                                                                                                                                                | Semiconductor Energy Laboratory Co., Ltd. |               |                                           |                     |            |            |                          |                 |            |              |          |
| Street Address:                                                                                                                                                                                                                                                                                                                                                                                      | 398, Hase                                 |               |                                           |                     |            |            |                          |                 |            |              |          |
| City:                                                                                                                                                                                                                                                                                                                                                                                                | Atsugi-shi, Kanagawa-ken                  |               |                                           |                     |            |            |                          |                 |            |              |          |
| State/Country:                                                                                                                                                                                                                                                                                                                                                                                       | JAPAN                                     |               |                                           |                     |            |            |                          |                 |            |              |          |
| Postal Code:                                                                                                                                                                                                                                                                                                                                                                                         | 243-0036                                  |               |                                           |                     |            |            |                          |                 |            |              |          |
| <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 style="width: 70%;">Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>12906538</td> </tr> </tbody> </table>                                                                                                                                    |                                           | Property Type | Number                                    | Application Number: | 12906538   |            |                          |                 |            |              |          |
| Property Type                                                                                                                                                                                                                                                                                                                                                                                        | Number                                    |               |                                           |                     |            |            |                          |                 |            |              |          |
| Application Number:                                                                                                                                                                                                                                                                                                                                                                                  | 12906538                                  |               |                                           |                     |            |            |                          |                 |            |              |          |
| <b>CORRESPONDENCE DATA</b>                                                                                                                                                                                                                                                                                                                                                                           |                                           |               |                                           |                     |            |            |                          |                 |            |              |          |
| Fax Number: (703)766-2394<br><i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i><br>Phone: (571) 434-6789<br>Email: scarr@riplo.com<br>Correspondent Name: Eric J. Robinson<br>Address Line 1: Robinson IP Law Office, P.C.<br>Address Line 2: 3975 Fair Ridge Drive, Suite 20 North<br>Address Line 4: Fairfax, VIRGINIA 22033                                     |                                           |               |                                           |                     |            |            |                          |                 |            |              |          |
| ATTORNEY DOCKET NUMBER:                                                                                                                                                                                                                                                                                                                                                                              | 0756-9002                                 |               |                                           |                     |            |            |                          |                 |            |              |          |
| NAME OF SUBMITTER:                                                                                                                                                                                                                                                                                                                                                                                   | Eric J. Robinson                          |               |                                           |                     |            |            |                          |                 |            |              |          |
| Total Attachments: 2<br>source=assignment#page1.tif                                                                                                                                                                                                                                                                                                                                                  |                                           |               |                                           |                     |            |            |                          |                 |            |              |          |

OP \$40.00 12906538

**501322957**

**PATENT**  
**REEL: 025153 FRAME: 0751**



**ASSIGNMENT**

Serial No. \_\_\_\_\_

Filed \_\_\_\_\_

WHEREAS, Shunpei YAMAZAKI, Jun KOYAMA and Hiroyuki MIYAKE  
(hereinafter designated as the undersigned) has (have) invented certain new and useful  
improvements in DISPLAY DEVICE AND ELECTRONIC DEVICE INCLUDING  
DISPLAY DEVICE for which an application for Letters Patent of the United States of  
America has been executed by the undersigned on \_\_\_\_\_, and;

WHEREAS, Semiconductor Energy Laboratory Co., Ltd. of 398, Hase, Atsugi-shi,  
Kanagawa-ken, 243-0036 Japan and its heirs, successors, legal representatives and assigns  
(hereinafter designated as the Assignee) is desirous of acquiring the entire right, title and  
interest in and to said invention and in and to any Letters Patent(s) that may be granted  
therefor in the United States of America;

NOW, THEREFORE, in consideration of the sum of One Dollar (\$1.00) to the  
undersigned in hand paid, the receipt of which is hereby acknowledged, and other good and  
valuable consideration, the undersigned has (have) sold, assigned and transferred, and by  
these presents do sell, assign and transfer unto said Assignee the full and exclusive right to the  
said invention in the United States of America and its territories and for all foreign countries,  
dependencies and possessions and the entire right, title and interest in and to any and all  
Letters Patent(s) which may be granted therefor in the United States of America and its  
territories, dependencies and possessions, and in and to any and all divisions, reissues,  
continuations and extensions thereof for the full term or terms for which the same may be  
granted.

The undersigned agree(s) to execute all papers necessary in connection with this  
application and any continuing, divisional or reissue applications thereof and also to execute  
separate assignments in connection with such applications as the Assignee may deem  
necessary or expedient.

The undersigned agree(s) to execute all papers necessary in connection with any  
interference which may be declared concerning this application or any continuation, division  
or reissue thereof or Letters Patent(s) or reissue patent issued thereon and to cooperate with  
the Assignee in every way possible in obtaining and producing evidence and proceeding with  
such interference.

The undersigned agree(s) to execute all papers and documents and to perform any act  
which may be necessary in connection with claims under or provisions of the International  
Convention for the Protection of Industrial Property or similar agreements.

The undersigned agree(s) to perform all affirmative acts which may be necessary to  
obtain a grant of a valid United States patent(s) to the Assignee and to vest all rights therein  
hereby conveyed to said Assignee as fully and entirely as the same would have been held by  
the undersigned if this Assignment and sale had not been made.

The undersigned hereby authorize(s) and request(s) the Commissioner of Patents and  
Trademarks to issue any and all Letters Patents of the United States of America resulting from  
said application or any division or divisions or continuing or reissue applications thereof to

the said Assignee, as Assignee of the entire interest, and hereby covenants that he has (they have) the full right to convey the entire interest herein assigned, and that he has (they have) not executed, and will not execute, any agreement in conflict herewith.

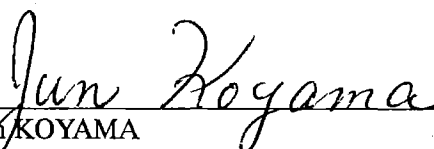
The undersigned hereby grant(s) the law firm of ROBINSON INTELLECTUAL PROPERTY LAW OFFICE the power to insert on this Assignment any further identification which may be necessary or desirable in order to comply with the rules of the U.S. Patent and Trademark Office for recordation of this document.

*In witness thereof*, this Assignment has been executed by the undersigned on the date(s) opposite the undersigned name(s).

Date 09/22/2010

Signature   
Name Shunpei YAMAZAKI

Date 09/24/2010

Signature   
Name Jun KOYAMA

Date 09/29/2010

Signature   
Name Hiroyuki MIYAKE

This assignment should preferably be acknowledged before a United States Consul or Notary Public. If not, then the execution by the Inventor(s) should be witnessed has (have) invented certain new and useful improvements in by at least two other persons who should sign here.

Witness \_\_\_\_\_

Signature \_\_\_\_\_

Witness \_\_\_\_\_

Signature \_\_\_\_\_

Witness \_\_\_\_\_

Signature \_\_\_\_\_