**PATENT ASSIGNMENT COVER SHEET**

Sir:

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<tr>
<th>1. Name of Conveying Party(ies):</th>
<th>5. Name and Address of Party to Whom Correspondence Concerning Document Should Be Mailed:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Shunpei YAMAZAKI</td>
<td>Edward D. Manzo, Esq.</td>
</tr>
<tr>
<td></td>
<td>COOK, ALEX, McFARRON, MANZO, CUMMINGS &amp; MEHLER, LTD.</td>
</tr>
<tr>
<td></td>
<td>200 West Adams Street, Suite 2850</td>
</tr>
<tr>
<td></td>
<td>Chicago, Illinois 60606</td>
</tr>
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<table>
<thead>
<tr>
<th>2a. Name and Address of Receiving Party(ies):</th>
<th>7. Total Fee (37 CFR 3.41): $40.00</th>
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<tbody>
<tr>
<td>Name: Semiconductor Energy Laboratory Co., Ltd.</td>
<td>7a. Enclosed</td>
</tr>
<tr>
<td>Address: 398, Hase, Atsugi-shi, Kanagawa-ken 243-0036 Japan</td>
<td>7b. Authorized to be Charged to Deposit Account For Any Deficiency</td>
</tr>
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<tr>
<th>2b. Name and Address of Receiving Party(ies):</th>
<th>8. Deposit Account Number: 50/1039</th>
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<td>Name:</td>
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</tr>
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<tr>
<th>3. Nature of Conveyance</th>
<th>9. Statement and Signature:</th>
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<tbody>
<tr>
<td>X Assignment</td>
<td>To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.</td>
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<tr>
<td>Merger</td>
<td>Mark J. Murphy</td>
</tr>
<tr>
<td>Security Agreement</td>
<td>Signature</td>
</tr>
<tr>
<td>Change of Name</td>
<td></td>
</tr>
<tr>
<td>Other</td>
<td></td>
</tr>
<tr>
<td>X Execution Date: 5/12/2000</td>
<td></td>
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</table>

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<tr>
<th>4. Application Number(s) or Patent number(s) (If this document is being filed together with a new application, the execution date of the application is:______)</th>
<th>4a. Patent Application No.(s) 09/528,113</th>
</tr>
</thead>
</table>

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05/25/2006 HLE333 00000030 1143939
04/05/2006 0190021 40.00 OP

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**DO NOT USE THIS SPACE**
In re application of: Shunpei Yamazaki
Serial No: 09/528,113
Filed: March 17, 2000
For: Electro-Optical Device And Manufacturing Method Thereof
Art Unit:
Examiner:

Assistant Commissioner for Patents
Washington, D. C. 20231

Sir:

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1. Name of Conveying Party(ies):
   Shunpei YAMAZAKI

2a. Name and Address of Receiving Party(ies):
   Name: Semiconductor Energy Laboratory Co., Ltd.
   Address: 398, Hase, Atsugi-shi, Kanagawa-ken
              243-0036 Japan

2b. Name and Address of Receiving Party(ies):
   Name: 
   Address: 

3. Nature of Conveyance
   X Assignment
   _Merger
   _Security Agreement
   _Change of Name
   _Other
   Execution Date: 5/12/2000

4. Application Number(s) or Patent number(s) (If this document is being filed together with a new application, the execution date of the application is:________)
   4a. Patent Application No.(s): 09/528,113
   4b. Patent No.(s):________

5. Name and Address of Party to Whom Correspondence Concerning Document Should be Mailed:
   Edward D. Manzo, Esq.
   COOK, ALEX, McFARRON, MANZO, CUMMINGS & MEHLER, LTD.
   200 West Adams Street, Suite 2850
   Chicago, Illinois 60606

6. Total Number of Applications and Patents Involved: 1

7. Total Fee (37 CFR 3.41): $40.00
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8. Deposit Account Number: 50/1039
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   Mark J. Murphy
   Name of Person Signing
   Signature
   Reg. No. 34,225
   Date: May 16, 2000

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ASSIGNMENT

Identity Of The Patent Application. I am the inventor (or one joint inventor) of a patent application that I am assigning. The patent application I am assigning is entitled ELECTRO-OPTICAL DEVICE AND MANUFACTURING METHOD THEREOF which I executed herewith. If the patent application has already been filed, it received serial number 09/528,113 and bears a filing date of March 17, 2000.

The Assignee and The Assignment. I assign my patent rights to Semiconductor Energy Laboratory Co., Ltd, a corporation organized according to the laws of Japan, having a place of business at 398, Hase, Atsugi-shi, Kanagawa-ken 243-0036 Japan (hereinafter "the Assignee"). The rights I assign are my entire right, title and interest in the invention or improvements disclosed in the patent application and any and all other applications for United States Letters Patent which I may file, either solely or jointly with others, on the invention or improvements, including all continuations, divisionals, and continuations-in-part, and in any and all United States Letters Patent which may be obtained on any of said applications, and in any reissue or extension thereof. I also assign to the Assignee all priority rights under the International Convention. I agree to execute, at the request of the Assignee, all documents in connection with any application for United States letters patent therefor.

Payment Received. I am making this assignment in consideration of One Dollar and other good and valuable consideration. I acknowledge the receipt and sufficiency of the consideration.

Authorizations. I request the U.S. Commissioner of Patents and Trademarks to issue the Letters Patent to the Assignee. I authorize the attorney(s) of record in the application to insert in this assignment document the date and serial number of the application.

Further Acts. I agree, upon the request and at the expense of the Assignee, to execute any divisional, continuation or substitute application for the invention or improvements, and any oath, declaration or affidavit relating thereto, and any application for the reissue or extension of any Letters Patent that may be granted upon the application. I agree to perform, upon request, any affirmative acts to obtain said Letters Patent of the United States and to vest in the Assignee all rights therein, so that the Letters Patent will be held and enjoyed by the Assignee, to the full end of the term for which said Letters Patent may be granted as fully and entirely as the same would have been held and enjoyed by me if this assignment had not been made.

Interference. In the event that any application or Letters Patent that I now assign becomes involved in interference, I agree to cooperate to the best of my ability in the matters of preparing and executing the preliminary statement and giving and producing evidence in support thereof.

Name: Shunpei YAMAZAKI Date 05/12/2000

Name: ___________________________ Date ___________________________

Name: ___________________________ Date ___________________________
JULY 21, 2000

COOK, ALEX, MCFARRON ET AL
EDWARD D. MANZO, ESQ.
200 WEST ADAMS STREET, SUITE 285
CHICAGO, IL 60606

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REEL/FRAME: 010803/0631
NUMBER OF PAGES: 2

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:
YAMAZAKI, SHUNPEI

ASSIGNEE:
SEMICONDUCTOR ENERGY LABORATORY
CO., LTD.
398, HASE, ATSUGI-SHI
KANAGAWA-KEN 243-0036, JAPAN

SERIAL NUMBER: 09528113
PATENT NUMBER:

FILING DATE: 03/17/2000
ISSUE DATE:

TONYA LEE, EXAMINER
ASSIGNMENT DIVISION
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REEL: 017923 FRAME: 0724

RECORDED: 05/23/2006