

## PATENT ASSIGNMENT COVER SHEET

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<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
SHUNPEI YAMAZAKI	03/12/2002
JUN KOYAMA	03/12/2002
TATSUYA ARAO	03/12/2002
MUNEHIRO AZAMI	03/12/2002
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<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	15134468
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<b>ATTORNEY DOCKET NUMBER:</b>	07977-0290011
<b>NAME OF SUBMITTER:</b>	JANELLE A. JACKSON
<b>SIGNATURE:</b>	/Janelle A. Jackson/
<b>DATE SIGNED:</b>	06/16/2016
<b>Total Attachments: 2</b>	
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source=07977-0290011 Assignment#page2.tif	

FISH & RICHARDSON P.C.

ASSIGNMENT

For good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, the undersigned hereby assign(s), transfer(s) and set(s) over to:

Semiconductor Energy Laboratory Co., Ltd.

having the address: 398, Hase, Atsugi-shi, Kanagawa-ken 243-0036 Japan

(hereinafter designated as the "ASSIGNEE"), its successors and assigns, the entire right, title, and interest for the United States in the invention, and all applications for patent and any Letters Patent which may be granted therefor, including said application, and all United States Letters Patents which may be granted therefor, and all divisions, reissues, continuations and extensions thereof, the said interest being the entire ownership of said Letters Patent when granted to be held by said ASSIGNEE, its successors, assigns or their legal representatives, 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 and enjoyed by Assignor(s) if this assignment had not been made, the application being known by the Title:

LIGHT EMITTING DEVICE

Attorney Docket No: 07977-0290011

for which the undersigned has/have executed an application for patent in the United States of America on the same day herewith. Where this instrument is not filed concurrently with the application, the following identifying information may be added after execution:

Serial No. 10/050,597

Filing Date: January 15, 2002

1. The undersigned hereby agree(s) to sign and execute any further documents and instruments which may be necessary, lawful and proper in the prosecution of said above-named application or in the preparation and prosecution of any continuing, continuation-in-part, substitute, divisional, renewal, reviewed or reissue application or in any amendments, extension or interference proceedings, or otherwise to secure the title thereto to the ASSIGNEE.

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

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3. The undersigned agree to perform all affirmative acts which may be necessary to obtain a grant of a valid United States patent to the ASSIGNEE.

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

5. The undersigned hereby grant(s) to the firm of Fish & Richardson 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.

In witness whereof, executed by the undersigned on the date(s) opposite the undersigned name(s).

03/12/2002  
Date

Shunpei Yamazaki  
Typed Name: Shunpei YAMAZAKI

03/12/2002  
Date

Jun Koyama  
Typed Name: Jun KOYAMA

03/12/2002  
Date

Tatsuya Arai  
Typed Name: Tatsuya ARAO

03/12/2002  
Date

Munehiro Azami  
Typed Name: Munehiro AZAMI

This assignment may be signed before a U.S. Notary Public or before at least two witnesses who also sign here:

\_\_\_\_\_  
Date

\_\_\_\_\_  
Typed Name:

\_\_\_\_\_  
Date

\_\_\_\_\_  
Typed Name: