

## 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>
TATSUYA SAKUISHI	01/30/2015
YUTAKA UCHIDA	02/02/2015
HIROKI ADACHI	01/28/2015
SAKI EGUCHI	03/23/2015
JUNPEI YANAKA	01/28/2015
KAYO KUMAKURA	01/28/2015
SEIJI YASUMOTO	01/28/2015
KOHEI YOKOYAMA	01/30/2015
AKIHIRO CHIDA	01/30/2015
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	SEMICONDUCTOR ENERGY LABORATORY CO., LTD.
<b>Street Address:</b>	398, HASE
<b>City:</b>	ATSUGI-SHI, KANAGAWA-KEN
<b>State/Country:</b>	JAPAN
<b>Postal Code:</b>	243-0036
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
Application Number:	14621914
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(877)769-7945
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<b>Phone:</b>	(202) 783-5070
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<b>ATTORNEY DOCKET NUMBER:</b>	12732-1431001
<b>NAME OF SUBMITTER:</b>	JANELLE A. JACKSON

PATENT

<b>SIGNATURE:</b>	/Janelle A. Jackson/
<b>DATE SIGNED:</b>	03/24/2015
<b>Total Attachments: 4</b> source=12732-1431001 Assignment#page1.tif source=12732-1431001 Assignment#page2.tif source=12732-1431001 Assignment#page3.tif source=12732-1431001 Assignment#page4.tif	

## ASSIGNMENT

For valuable consideration, We, Tatsuya SAKUISHI of Atsugi, Kanagawa, Japan, Yutaka UCHIDA of Atsugi, Kanagawa, Japan, Hiroki ADACHI of Tochigi, Tochigi, Japan, Saki OBANA of Tochigi, Tochigi, Japan, Junpei YANAKA of Tochigi, Tochigi, Japan, Kayo KUMAKURA of Tochigi, Tochigi, Japan, Seiji YASUMOTO of Tochigi, Tochigi, Japan, Kohei YOKOYAMA of Fujisawa, Kanagawa, Japan and Akihiro CHIDA of Isehara, Kanagawa, Japan hereby assign to Semiconductor Energy Laboratory Co., Ltd., a Japanese corporation having a place of business at:

398, Hase, Atsugi-shi, Kanagawa-ken, 243-0036 Japan

and its successors and assigns (collectively hereinafter called "the Assignee"), the entire right, title and interest throughout the world in the inventions and improvements which are subject of an application for United States Patent signed by us this day, entitled LIGHT-EMITTING DEVICE AND PEELING METHOD, filed February 13, 2015, and assigned U.S. Serial Number 14/621,914, and we authorize and request the attorneys appointed in said application to hereafter complete this assignment by inserting above the filing date and serial number of said application when known; this assignment including said application, any and all United States and foreign patents, utility models, and design registrations granted for any of said inventions or improvements, and the right to claim priority based on the filing date of said application under the International Convention for the Protection of Industrial Property, the Patent Cooperation Treaty, the European Patent Convention, and all other treaties of like purposes; and we authorize the Assignee to apply in all countries in our name or in its own name for patents, utility models, design registrations and like rights of exclusion and for inventors' certificates for said inventions and improvements; and we agree for ourselves and our respective heirs, legal representatives and assigns, without further compensation to perform such lawful acts and to sign such further applications, assignments, Preliminary Statements and other lawful documents as the Assignee may reasonably request to effectuate fully this assignment.

Signature Tatsuya SAKUISHI  
Name: Tatsuya SAKUISHI  
Date: 01/30/2015

Signature Yutaka Uchida  
Name: Yutaka UCHIDA  
Date: 02/02/2015

Signature Hiroki ADACHI  
Name: Hiroki ADACHI  
Date: 01/28/2015

Signature Saki EGUCHI  
Name: Saki EGUCHI  
Date: 01/28/2015

Signature Junpei YANAKA  
Name: Junpei YANAKA  
Date: 01/28/2015

Signature Kayo KUMAKURA  
Name: Kayo KUMAKURA  
Date: 01/28/2015

Signature Seiji YASUMOTO  
Name: Seiji YASUMOTO  
Date: 01/28/2015

Signature Kohei YOKOYAMA  
Name: Kohei YOKOYAMA  
Date: 1/30/2015

Signature Akihiro CHIDA  
Name: Akihiro CHIDA  
Date: 1/30/2015

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For valuable consideration, We, Tatsuya SAKUISHI of Atsugi, Kanagawa, Japan, Yutaka UCHIDA of Atsugi, Kanagawa, Japan, Hiroki ADACHI of Tochigi, Tochigi, Japan, Saki EGUCHI of Tochigi, Tochigi, Japan, Junpei YANAKA of Tochigi, Tochigi, Japan, Kayo KUMAKURA of Tochigi, Tochigi, Japan, Seiji YASUMOTO of Tochigi, Tochigi, Japan, Kohei YOKOYAMA of Fujisawa, Kanagawa, Japan and Akihiro CHIDA of Isehara, Kanagawa, Japan hereby assign to Semiconductor Energy Laboratory Co., Ltd., a Japanese corporation having a place of business at:

398, Hase, Atsugi-shi, Kanagawa-ken, 243-0036 Japan

and its successors and assigns (collectively hereinafter called "the Assignee"), the entire right, title and interest throughout the world in the inventions and improvements which are subject of an application for United States Patent signed by us this day, entitled LIGHT-EMITTING DEVICE AND PEELING METHOD, filed February 13, 2015, and assigned U.S. Serial Number 14/621,914, and we authorize and request the attorneys appointed in said application to hereafter complete this assignment by inserting above the filing date and serial number of said application when known: this assignment including said application, any and all United States and foreign patents, utility models, and design registrations granted for any of said inventions or improvements, and the right to claim priority based on the filing date of said application under the International Convention for the Protection of Industrial Property, the Patent Cooperation Treaty, the European Patent Convention, and all other treaties of like purposes; and we authorize the Assignee to apply in all countries in our name or in its own name for patents, utility models, design registrations and like rights of exclusion and for inventors' certificates for said inventions and improvements; and we agree for ourselves and our respective heirs, legal representatives and assigns, without further compensation to perform such lawful acts and to sign such further applications, assignments, Preliminary Statements and other lawful documents as the Assignee may reasonably request to effectuate fully this assignment.

Signature \_\_\_\_\_  
Name: Tatsuya SAKUISHI  
Date: \_\_\_\_\_

Signature \_\_\_\_\_  
Name: Yutaka UCHIDA  
Date: \_\_\_\_\_

Signature \_\_\_\_\_  
Name: Hiroki ADACHI  
Date: \_\_\_\_\_

Signature Saki EGUCHI  
Name: Saki EGUCHI  
Date: 03 / 23 / 2015

Signature \_\_\_\_\_  
Name: Junpei YANAKA  
Date: \_\_\_\_\_

Signature \_\_\_\_\_  
Name: Kayo KUMAKURA  
Date: \_\_\_\_\_

Signature \_\_\_\_\_  
Name: Seiji YASUMOTO  
Date: \_\_\_\_\_

Signature \_\_\_\_\_  
Name: Kohei YOKOYAMA  
Date: \_\_\_\_\_

Signature \_\_\_\_\_  
Name: Akihiro CHIDA  
Date: \_\_\_\_\_