

## 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>
HISAO IKEDA	05/09/2005
HIROKI OHARA	04/26/2005
MAKOTO HOSOBABA	05/11/2005
JUNICHIRO SAKATA	04/28/2005
SHUNICHI ITO	05/09/2005
<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>
<b>Application Number:</b>	15473711
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<b>NAME OF SUBMITTER:</b>	JANELLE A. JACKSON
<b>SIGNATURE:</b>	/Janelle A. Jackson/
<b>DATE SIGNED:</b>	05/19/2017
<b>Total Attachments: 1</b>	



ASSIGNMENT

For valuable consideration, We, Hisao IKEDA of Atsugi, Kanagawa, Japan, Hiroki OHARA of Machida, Tokyo Japan, Makoto HOSOBABA of Atsugi, Kanagawa, Japan, Junichiro SAKATA of Atsugi, Kanagawa, Japan and Shunichi ITO of Atsugi, 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 DISPLAY DEVICE filed May 18, 2005 and assigned U.S. Serial Number 11/131,437, 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: Hisao Ikeda  
Name: Hisao IKEDA  
Date: 05/09/2005

Signature: Shunichi Ito  
Name: Shunichi ITO  
Date: 05/09/2005

Signature: Hiroki Ohara  
Name: Hiroki OHARA  
Date: 04/26/2005

Signature: Makoto Hosoba  
Name: Makoto HOSOBABA  
Date: 05/11/2005

Signature: Junichiro Sakata  
Name: Junichiro SAKATA  
Date: 04/28/2005