

## 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	08/02/2019
Satoshi Seo	08/09/2019
Hideko YOSHIZUMI	08/09/2019
Tomoya YAMAGUCHI	08/09/2019
Hikomitsu KIDO	08/20/2019
Takeyoshi Watabe	08/21/2019
Airi TOMIDA	08/20/2019
Keito FUKUDA	08/19/2019
<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:	16488280
<b>CORRESPONDENCE DATA</b>	
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<b>ATTORNEY DOCKET NUMBER:</b>	12732-1964US1
<b>NAME OF SUBMITTER:</b>	SHARON M. ALLEN
<b>SIGNATURE:</b>	/Sharon M. Allen/

PATENT

<b>DATE SIGNED:</b>	08/23/2019
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**Total Attachments: 4**

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## ASSIGNMENT

For valuable consideration, We, Shunpei YAMAZAKI of Setagaya, Tokyo, Japan, Satoshi SEO of Sagamihara, Kanagawa, Japan, Hideko YOSHIZUMI of Isehara, Kanagawa, Japan, Tomoya YAMAGUCHI of Atsugi, Kanagawa, Japan, Hiromitsu KIDO of Atsugi, Kanagawa, Japan, Takeyoshi WATABE of Isehara, Kanagawa, Japan, Airi TOMIDA of Sagamihara, Kanagawa, Japan and Keito FUKUDA 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 ELEMENT MATERIAL, LIGHT-EMITTING ELEMENT, LIGHT-EMITTING DEVICE, ELECTRONIC DEVICE, LIGHTING DEVICE, AND ORGANOMETALLIC COMPLEX, filed August 23, 2019, and assigned U.S. Serial Number 16/488,280, 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:

Date:

  
\_\_\_\_\_  
Shunpei YAMAZAKI  
\_\_\_\_\_  
08/02/2019  
\_\_\_\_\_

Signature

Name:

Date:

\_\_\_\_\_  
Satoshi SEO  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Signature \_\_\_\_\_  
Name: Hideko YOSHIKUMI  
Date: \_\_\_\_\_

Signature \_\_\_\_\_  
Name: Tomoya YAMAGUCHI  
Date: \_\_\_\_\_

Signature \_\_\_\_\_  
Name: Hiromitsu KIDO  
Date: \_\_\_\_\_

Signature \_\_\_\_\_  
Name: Takeyoshi WATABE  
Date: \_\_\_\_\_

Signature \_\_\_\_\_  
Name: Airi TOMIDA  
Date: \_\_\_\_\_

Signature \_\_\_\_\_  
Name: Keito FUKUDA  
Date: \_\_\_\_\_

**ASSIGNMENT**

For valuable consideration, We, Shunpei YAMAZAKI of Setagaya, Tokyo, Japan, Satoshi SEO of Sagamihara, Kanagawa, Japan, Hideko YOSHIZUMI of Isehara, Kanagawa, Japan, Tomoya YAMAGUCHI of Atsugi, Kanagawa, Japan, Hiromitsu KIDO of Atsugi, Kanagawa, Japan, Takeyoshi WATABE of Isehara, Kanagawa, Japan, Airi TOMIDA of Sagamihara, Kanagawa, Japan and Keito FUKUDA of Atsugi, Kanagawa, Japan hereby assign to Semiconductor Energy Laboratory Co., Ltd., a Japanese corporation having a place of business at:

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Signature \_\_\_\_\_  
Name: Shunpei YAMAZAKI  
Date: \_\_\_\_\_

Signature Satoshi Seo  
Name: Satoshi SEO  
Date: 08/09 / 2019

Signature Hideko Yoshizumi  
Name: Hideko YOSHIZUMI  
Date: 08/09/2019

Signature Tomoya Yamazuchi  
Name: Tomoya YAMAGUCHI  
Date: 08/09/2019

Signature Hiromitsu Kido  
Name: Hiromitsu KIDO  
Date: 08/20/2019

Signature Takeyoshi Watabe  
Name: Takeyoshi WATABE  
Date: 08/21/2019

Signature Airi TOMIDA  
Name: Airi TOMIDA  
Date: 08/20/2019

Signature Keito Fukuda  
Name: Keito FUKUDA  
Date: 08/19/2019