# PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

#### **CONVEYING PARTY DATA**

Name	Execution Date
Satoshi SEO	08/07/2015
Nobuharu OHSAWA	08/06/2015
Shunsuke Hosoumi	08/07/2015
Takahiro Ishisone	08/18/2015

### **RECEIVING PARTY DATA**

Name:	SEMICONDUCTOR ENERGY LABORATORY CO., LTD.	
Street Address:	398, HASE	
City:	ATSUGI-SHI, KANAGAWA-KEN	
State/Country:	JAPAN	
Postal Code:	243-0036	

#### **PROPERTY NUMBERS Total: 1**

Property Type	Number
Application Number:	18100054

### **CORRESPONDENCE DATA**

Fax Number: (877)769-7945

Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent

using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.

Phone: (202) 783-5070 Email: apsi@fr.com **Correspondent Name:** JOHN F. HAYDEN

FISH & RICHARDSON P.C. Address Line 1:

Address Line 2: P.O.BOX 1022

Address Line 4: MINNEAPOLIS, MINNESOTA 55440-1022

ATTORNEY DOCKET NUMBER:	12732-1563005
NAME OF SUBMITTER:	SHARON M. ALLEN
SIGNATURE:	/Sharon M. Allen/
DATE SIGNED:	01/23/2023

### **Total Attachments: 6**

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# **ASSIGNMENT**

For valuable consideration, We, <u>Satoshi SEO of Sagamihara</u>, <u>Kanagawa, Japan, Nobuharu OHSAWA of Zama, Kanagawa, Japan, Shunsuke HOSOUMI of Atsugi, Kanagawa, Japan and Takahiro ISHISONE of Atsugi, Kanagawa, Japan hereby assign to <u>Semiconductor Energy Laboratory Co., Ltd.</u>, a <u>Japanese</u> corporation having a place of business at:</u>

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

and its succe	essors and assigns (collectively hereinafter called "the Assignee"), the entire right, title and
interest throu	ighout the world in the inventions and improvements which are subject of an application for
United States	s Patent signed by us this day, entitled <u>LIGHT-EMITTING ELEMENT, DISPLAY DEVICE</u> ,
ELECTRON	IC DEVICE, AND LIGHTING DEVICE, filed August 27, 2015, and assigned U.S.
Serial Numb	her 14/837,083, 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 v	when known; this assignment including said application, any and all United States and foreign
patents, utilit	y models, and design registrations granted for any of said inventions or improvements, and the
right to clain	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 fo	or patents, utility models, design registrations and like rights of exclusion and for inventors'
certificates fe	or said inventions and improvements; and we agree for ourselves and our respective heirs, legal
representativ	es and assigns, without further compensation to perform such lawful acts and to sign such
further applie	cations, assignments, Preliminary Statements and other lawful documents as the Assignee may
reasonably re	equest to effectuate fully this assignment.
Signature:	Jatoshi SEO  08/07/2015
Name:	Satoshi SEO
Date:	08/07/2015
Signature:	
Name:	Nobuharu OHSAWA
Date:	TOOGRAFI OXAGETTIX

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Signature:	
Name:	Shunsuke HOSOUMI
Date:	
Signature:	
Name:	Takahiro ISHISONE
Date:	

# ASSIGNMENT

For valuable consideration, We, <u>Satoshi SEO of Sagamihara</u>, <u>Kanagawa</u>, <u>Japan, Nobuharu OHSAWA of Zama, Kanagawa</u>, <u>Japan, Shunsuke HOSOUMI of Atsugi</u>, <u>Kanagawa</u>, <u>Japan and Takahiro ISHISONE of Atsugi</u>, <u>Kanagawa</u>, <u>Japan hereby assign to <u>Semiconductor Energy Laboratory Co.</u>, <u>Ltd.</u>, a <u>Japanese</u> corporation having a place of business at:</u>

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

and its succ	cessors and assigns (collectively hereinafter c	alled "the Assignee"), the entire right, title and
interest thro	oughout the world in the inventions and impro	ovements which are subject of an application for
United State	es Patent signed by us this day, entitled <u>LIGI</u>	HT-EMITTING ELEMENT, DISPLAY DEVICE,
ELECTRON	NIC DEVICE, AND LIGHTING DEVICE, fi	iled August 27, 2015 , and assigned U.S.
Serial Numb	ber 14/837,083 and we authori	ize and request the attorneys appointed in said
application t	to hereafter complete this assignment by inserti	ing above the filing date and serial number of said
application v	when known; this assignment including said a	application, any and all United States and foreign
patents, utili	ity models, and design registrations granted for	r any of said inventions or improvements, and the
right to clain	m priority based on the filing date of said appli	ication under the International Convention for the
Protection o	of Industrial Property, the Patent Cooperation	Treaty, the European Patent Convention, and all
other treaties	s of like purposes; and we authorize the Assig	nee to apply in all countries in our name or in its
own name f	for patents, utility models, design registration	s and like rights of exclusion and for inventors'
certificates f	for said inventions and improvements; and we	agree for ourselves and our respective heirs, legal
representativ	ves and assigns, without further compensation	n to perform such lawful acts and to sign such
further appli	ications, assignments, Preliminary Statements	and other lawful documents as the Assignee may
reasonably re	request to effectuate fully this assignment.	
Signature:		
Name:	Satoshi SEO	
Date:		
A1 .	Nobuhara Oheana	
Signature:		
Name: Date:	Nobuharu OHSAWA  D8 / 06 / 20/5	
Date.	~ <i>4 / VD / &amp;</i> ~ / <i>3</i>	

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Signature:	
Name:	Shunsuke HOSOUMI
Date:	
Signature:	
Name:	Takahiro ISHISONE
Date:	

# ASSIGNMENT

For valuable consideration, We, <u>Satoshi SEO of Sagamihara</u>, <u>Kanagawa</u>, <u>Japan, Nobuharu OHSAWA of Zama, Kanagawa</u>, <u>Japan, Shunsuke HOSOUMI of Atsugi, Kanagawa</u>, <u>Japan and Takahiro ISHISONE of Atsugi, Kanagawa</u>, <u>Japan</u> hereby assign to <u>Semiconductor Energy Laboratory Co.</u>, <u>Ltd.</u>, a <u>Japanese</u> corporation having a place of business at:

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

and its successor	rs and assigns (collectively hereinafter called "the Assignee"), the entire right, title and
interest througho	out the world in the inventions and improvements which are subject of an application for
United States Par	tent signed by us this day, entitled <u>LIGHT-EMITTING ELEMENT, DISPLAY DEVICE</u> ,
ELECTRONIC I	DEVICE, AND LIGHTING DEVICE, filed August 27, 2015, and assigned U.S.
Serial Number	14/837,083 , and we authorize and request the attorneys appointed in said
application to her	reafter 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 m	odels, and design registrations granted for any of said inventions or improvements, and the
right to claim pri	ority based on the filing date of said application under the International Convention for the
Protection of Ind	lustrial 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 pa	atents, utility models, design registrations and like rights of exclusion and for inventors'
certificates for sa	aid inventions and improvements; and we agree for ourselves and our respective heirs, legal
representatives a	and assigns, without further compensation to perform such lawful acts and to sign such
further application	ons, assignments, Preliminary Statements and other lawful documents as the Assignee may
reasonably reque	st to effectuate fully this assignment.
Signature:	
Name: Sai	toshi SEO
Date:	
0.	
Signature:	shuham OUS AWA
Name: No	obuharu OHSAWA
Daw.	

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Signature: Shunsuke HOSOUMI

Name: Shunsuke HOSOUMI

Date: 08/09/2015

Signature: Takahiro Ishisone

Signature: Takahiro Ishisohe

Name: Takahiro IshisoNE

Date: 08/18/2015

**RECORDED: 01/23/2023**