

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
Naoyuki Senda	04/27/2015
Masataka Nakada	04/24/2015
Takayuki Abe	04/24/2015
Koji Kusunoki	04/23/2015
Hideaki Shishido	04/23/2015
RECEIVING PARTY DATA	
Name:	SEMICONDUCTOR ENERGY LABORATORY CO., LTD.
Street Address:	398, HASE, ATSUGI-SHI
City:	KANAGAWA-KEN
State/Country:	JAPAN
Postal Code:	243-0036
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	14690834
CORRESPONDENCE DATA	
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NAME OF SUBMITTER:	KRISTI A. HOLMLUND
SIGNATURE:	/Kristi A. Holmlund/
DATE SIGNED:	05/21/2015
Total Attachments: 3	

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ASSIGNMENT

For valuable consideration, We, Naoyuki SENDA of Atsugi, Kanagawa, Japan, Masataka NAKADA of Tochigi, Tochigi, Japan, Takayuki ABE of Tochigi, Tochigi, Japan, Koji KUSUNOKI of Kawasaki, Kanagawa, Japan and Hideaki SHISHIDO 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 INPUT AND OUTPUT DEVICE, filed April 20, 2015, and assigned U.S. Serial Number 14/690,834, 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 Naoyuki SENDA
Name: Naoyuki SENDA
Date: 04/27/2015

Signature _____
Name: Masataka NAKADA
Date: _____

Signature _____
Name: Takayuki ABE
Date: _____

ASSIGNMENT

For valuable consideration, We, Naoyuki SENDA of Atsugi, Kanagawa, Japan, Masataka NAKADA of Tochigi, Tochigi, Japan, Takayuki ABE of Tochigi, Tochigi, Japan, Koji KUSUNOKI of Kawasaki, Kanagawa, Japan and Hideaki SHISHIDO 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 INPUT AND OUTPUT DEVICE, filed April 20, 2015, and assigned U.S. Serial Number 14/690,834, 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: Naoyuki SENDA
Date: _____

Signature Masataka NAKADA
Name: Masataka NAKADA
Date: 4/24/2015

Signature Takayuki ABE
Name: Takayuki ABE
Date: 04/24/2015

Signature Koji Kusunoki
Name: Koji KUSUNOKI
Date: 04 / 23 / 2015

Signature Hideaki SHISHIDO
Name: Hideaki SHISHIDO
Date: 04 / 23 / 2015