

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
KEI TAKAHASHI	02/01/2022
TAKESHI AOKI	01/30/2022
MUNEHIRO KOZUMA	01/20/2022
TAKAYUKI IKEDA	01/20/2022
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:	17635268
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ATTORNEY DOCKET NUMBER:	12732-2196US1
NAME OF SUBMITTER:	APRIL SAUNDERS-FULLER
SIGNATURE:	/April Saunders-Fuller/
DATE SIGNED:	02/14/2022
Total Attachments: 6	
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PATENT

REEL: 059008 FRAME: 0432

ASSIGNMENT

For valuable consideration, We, Kei TAKAHASHI of Rifuiarejidensuaikouishida106, 722-1, Ishida, Isehara-shi, Kanagawa-ken, 259-1116, Japan, Takeshi AOKI of 3-43-3, Nakashinden, Ebina-shi, Kanagawa-ken, 243-0422, Japan, Munehiro KOZUMA of Atsugi, Kanagawa, Japan and Takayuki IKEDA 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 SEMICONDUCTOR DEVICE AND METHOD FOR OPERATING SEMICONDUCTOR DEVICE, filed February 14, 2022, and assigned U.S. Serial Number 17/635,268, 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 Kei Takahashi
Name: Kei TAKAHASHI
Date: 02/01/2022

Signature _____
Name: Takeshi AOKI
Date: _____

Signature _____
Name: Munehiro KOZUMA
Date: _____

Signature _____
Name: Takayuki IKEDA
Date: _____

ASSIGNMENT

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Signature _____
Name: Kei TAKAHASHI
Date: _____

Signature Takeshi Aoki
Name: Takeshi AOKI
Date: 01/30/2022

Signature _____
Name: Munehiro KOZUMA
Date: _____

Signature _____
Name: Takayuki IKEDA
Date: _____

ASSIGNMENT

For valuable consideration, We, Kei TAKAHASHI of Rifuiarejidensuaikouishida106, 722-1, Ishida, Isehara-shi, Kanagawa-ken, 259-1116, Japan, Takeshi AOKI of 3-43-3, Nakashinden, Ebina-shi, Kanagawa-ken, 243-0422, Japan, Munehiro KOZUMA of Atsugi, Kanagawa, Japan and Takayuki IKEDA 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: Kei TAKAHASHI
Date: _____

Signature _____
Name: Takeshi AOKI
Date: _____

Signature Munehiro Kozuma
Name: Munehiro KOZUMA
Date: 01 / 20 / 2022

Signature Takayuki Ikeda
Name: Takayuki IKEDA
Date: 01 / 20 / 2022