

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
Yuichi Sato	06/21/2019
Ryota Hodo	06/25/2021
Yuta Iida	07/03/2019
Tomoaki Moriwaka	06/25/2019
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:	17849854
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NAME OF SUBMITTER:	SHARON M. ALLEN
SIGNATURE:	/Sharon M. Allen/
DATE SIGNED:	06/27/2022
Total Attachments: 4	
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ASSIGNMENT

For valuable consideration, We, Yuichi SATO of Isehara, Kanagawa, Japan, Ryota HODO of Atsugi, Kanagawa, Japan, Yuta HIDA of Riburipurandorurara305, 3951-3, Ikonobe-cho, Tsuzuki-ku, Yokohama-shi, Kanagawa-ken, 224-0053, Japan and Tomoaki MORIWAKA of Isehara, 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 CAPACITOR, SEMICONDUCTOR DEVICE, AND MANUFACTURING METHOD OF SEMICONDUCTOR DEVICE, filed July 17, 2019, and assigned U.S. Serial Number 16/478,532, 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 Yuichi SATO
Name: Yuichi SATO
Date: 06/21/2019

Signature Ryota HODO
Name: Ryota HODO
Date: 06/25/2019

Signature _____
Name: Yuta HIDA
Date: _____

Signature Tomoaki MORIWAKA
Name: Tomoaki MORIWAKA
Date: 06/25/2019

ASSIGNMENT

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Signature _____
Name: Yuichi SATO
Date: _____

Signature _____
Name: Ryota HODO
Date: _____

Signature Yuta IIDA
Name: Yuta IIDA
Date: 07/03/2019

Signature _____
Name: Tomoaki MORIWAKA
Date: _____