PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
SHUNPEI YAMAZAKI	09/07/2020
KIYOSHI KATO	09/14/2020
TAKAHIKO ISHIZU	09/16/2020
TATSUYA ONUKI	09/16/2020

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:	17041037

CORRESPONDENCE DATA

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ATTORNEY DOCKET NUMBER: 12732-2051US1	
NAME OF SUBMITTER:	APRIL K. SAUNDERS-FULLER
SIGNATURE: /April K. Saunders-Fuller/	
DATE SIGNED:	09/24/2020

Total Attachments: 4

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> PATENT REEL: 053869 FRAME: 0285

ASSIGNMENT

For valuable consideration, We, Shunpei YAMAZAKI of Setagaya, Tokyo, Japan, Kiyoshi KATO of Atsugi, Kanagawa, Japan, Takahiko ISHIZU of Gurinderubuaruto312, 1-16-12, Higashirinkan, Minami-ku, Sagamihara-shi, Kanagawa-ken, 252-0311, Japan and Tatsuya ONUKI 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 MEMORY DEVICE AND ELECTRONIC DEVICE, filed September 24, 2020, and assigned U.S. Serial Number 17/041,037 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	Slepis James	
Name:	Shunpei YAMAZAKI	
Date:	09/07/2020	
Signature	Kind: Kato	
	- Jorgan Valva	
Name:	Kiyoshi KATO	
Date:	09/14/2020	

Attorney Docket No. 12732-2051US1 Client Reference No. PCTUS28031/28660 Page 2 of 4

Signature		
Name:	Takahiko ISHIZU	
Date:		
	_ ^ (
Signature	Tatsuya Onn El	
Name:	Tatsuya ONUKI	
Date:	09/16/2020	

PATENT REEL: 053869 FRAME: 0287

ASSIGNMENT

For valuable consideration, We, Shunpei YAMAZAKI of Setagaya, Tokyo, Japan, Kiyoshi KATO of Atsugi, Kanagawa, Japan, Takahiko ISHIZU of Gurinderubuaruto312, 1-16-12, Higashirinkan, Minami-ku, Sagamihara-shi, Kanagawa-ken, 252-0311, Japan and Tatsuya ONUKI 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 MEMORY DEVICE AND ELECTRONIC DEVICE, filed September 24, 2020, and assigned U.S. Serial Number 17/041,037 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:	Shunpei YAMAZAKI	
Date:		
Signature		
Name:	Kiyoshi KATO	
Date:		
		.442

PATENT REEL: 053869 FRAME: 0288

Attorney Docket No. 12732-2051US1 Client Reference No. PCTUS28031/28660 Page 4 of 4

Signature	Totalifo:	Ishizu
Name:	Takahiko ISHIZU	
Date:	09/16	/ 2020
		•
Signature		
Name:	Tatsuya ONUKI	
Date:		

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RECORDED: 09/24/2020