#### 07/02/2021 506748836

### PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT6795652

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

### **CONVEYING PARTY DATA**

Name	Execution Date
TAKUO KIKUCHI	04/27/2021
YUSUKE KAWAGUCHI	03/31/2021
TATSUYA NISHIWAKI	03/25/2021
HIDEHIKO YABUHARA	03/23/2021

### **RECEIVING PARTY DATA**

Name:	KABUSHIKI KAISHA TOSHIBA	
Street Address:	1-1, SHIBAURA 1-CHOME	
City:	MINATO-KU, TOKYO	
State/Country:	JAPAN	
Name:	TOSHIBA ELECTRONIC DEVICES & STORAGE CORPORATION	
Name: Street Address:	TOSHIBA ELECTRONIC DEVICES & STORAGE CORPORATION 1-1, SHIBAURA 1-CHOME	

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

Property Type	Number
Application Number:	17195002

### CORRESPONDENCE DATA

Fax Number: (703)413-2220

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: (703) 413-3000 Email: acooley@oblon.com **Correspondent Name:** OBLON, ET AL. Address Line 1: 1940 DUKE STREET

Address Line 4: ALEXANDRIA, VIRGINIA 22314

ATTORNEY DOCKET NUMBER:	535836US
NAME OF SUBMITTER:	ALI COOLEY
SIGNATURE:	/Ali Cooley/
DATE SIGNED:	07/02/2021

**PATENT** REEL: 056745 FRAME: 0894

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## **Total Attachments: 4**

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Invention	SEMICONDUCTOR DEVICE	
As the below name	d inventor, I hereby declare that:	
This declaration [	The attached application, or	
is directed to:	United States application or PCT international application number 17/195,002 filed on March 8, 2021	
The above-identifie	d application was made or authorized to be made by me.	
I believe that I am t	he original inventor or an original joint inventor of a claimed invention in the application.	
COH	ABUSHIKI KAISHA TOSHIBA, (2)TOSHIBA ELECTRONIC DEVICES & STORAGE RPORATION	
Tokyo, Japan, (2)1-interest in and to sa	d to as "ASSIGNEE") having places of business at:(1)1-1, Shibaura 1-chome, Minato-ku, 1, Shibaura 1-chome, Minato-ku, Tokyo, Japan, is desirous of acquiring the entire right, title and id invention and in and to any Letters Patent that may be granted therefore in the United States ssessions and in any and all foreign countries;	
acknowledged, and said ASSIGNEE, th and in all foreign co other relevant Inter- interest in and to a	ORE, in consideration of the sum of FIVE DOLLARS (\$5.00), the receipt whereof is hereby for other good and valuable consideration, I, by these presents do sell, assign and transfer unto the full and exclusive right to the said invention in the United States and its territorial possessions pounties (including the right to claim priority under the terms of the International Convention and national Treaties and Arrangements from the aforesaid application) and the entire right, title and may and all Letters Patent which may be granted therefor in the United States and its territorial any and all foreign countries and in and to any and all divisions, reissues, continuations, newals thereof.	
any and all foreign assignee of my entin (his) successors and	te and request the Patent Office Officials in the United States and its territorial possessions and countries to issue any and all of said Letters Patent, when granted, to said ASSIGNEE as the re right, title and interest in and to the same, for the sole use and behoof of said ASSIGNEE, its assigns, to the full end of the term for which said Letters Patent may be granted, as fully and would have been held by me had this Assignment and sale not been made.	
Further, I agree that I will communicate to said ASSIGNEE or its (his) representatives any facts known to me respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuation, substitute, renewal and reissue applications, execute all necessary assignment papers to cause any and all of said Letters Patent to be issued to said ASSIGNEE, make all rightful oaths, and, generally do everything possible to aid said ASSIGNEE, its (his) successors and assigns, to obtain and enforce proper protection for said invention in the United States and its territorial possessions and in any and all foreign countries.		
I hereby acknowl by fine or imprisonn	edge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 nent of not more than five (5) years, or both.	
LEGAL NAME OF	INVENTOR	
Inventor: Takuo K		
Signature: Jal	ne Ribruchi	

OBLON, McCLELLAND, MAIER & NEUSTADT, L.L.P. ATTORNEYS AT LAW

1940 DUKE STREET ALEXANDRIA, VIRGINIA 22314

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NOW, THEREFORE, in consideration of the sum of FIVE DOLLARS (\$5.00), the receipt whereof is hereby acknowledged, and for other good and valuable consideration, I, by these presents do sell, assign and transfer unto said ASSIGNEE, the full and exclusive right to the said invention in the United States and its territorial possessions and in all foreign countries (including the right to claim priority under the terms of the International Convention and other relevant International Treaties and Arrangements from the aforesaid application) and the entire right, title and interest in and to any and all Letters Patent which may be granted therefor in the United States and its territorial possessions and in any and all foreign countries and in and to any and all divisions, reissues, continuations, substitutions and renewals thereof.		
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LEGAL NAME OF		
Inventor: Yusuke		
Signature:	Turnber Konaguchi	

OBLON, McCLELLAND, MAIER & NEUSTADT, L.L.P.

ATTORNEYS AT LAW 1940 DUKE STREET ALEXANDRIA, VIRGINIA 22314

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I hereby acknowl by fine or imprisonn	edge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 nent of not more than five (5) years, or both.	
LEGAL NAME OF	INVENTOR	
Inventor: Tatsuya	NISHIWAKI Date: Mar. 25, 202/	
Signature: 4 to	rusa Nishiwaki	

OBLON, McCLELLAND, MAIER & NEUSTADT, L.L.P.

ATTORNEYS AT LAW 1940 DUKE STREET ALEXANDRIA, VIRGINIA 22314

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is directed to:	United States application March 8, 20		plication number 17/195,002
The above-identifie	d application was made	or authorized to be made by	y me.
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COL	RPORATION		LECTRONIC DEVICES & STORAGE
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acknowledged, and said ASSIGNEE, th and in all foreign co other relevant Interninterest in and to a	for other good and value full and exclusive right puntries (including the right national Treaties and Army and all Letters Paten any and all foreign co	nable consideration, I, by the to the said invention in the light to claim priority under trangements from the aforent which may be granted the	LARS (\$5.00), the receipt whereof is hereby hese presents do sell, assign and transfer unto the United States and its territorial possessions the terms of the International Convention and esaid application) and the entire right, title and therefor in the United States and its territorial my and all divisions, reissues, continuations,
any and all foreign assignee of my entir (his) successors and	countries to issue any a re right, title and interest I assigns, to the full end	and all of said Letters Pate t in and to the same, for th	nited States and its territorial possessions and ent, when granted, to said ASSIGNEE as the te sole use and behoof of said ASSIGNEE, its id Letters Patent may be granted, as fully and and sale not been made.
respecting said inv continuation, substituall of said Letters I possible to aid said	rention, and testify in a tute, renewal and reissue Patent to be issued to s ASSIGNEE, its (his) so	any legal proceeding, sig e applications, execute all r said ASSIGNEE, make all	s (his) representatives any facts known to me an all lawful papers, execute all divisional, necessary assignment papers to cause any and I rightful oaths, and, generally do everything obtain and enforce proper protection for said and all foreign countries.
I hereby acknowled by fine or imprisonn	ledge that any willful fal nent of not more than fiv	se statement made in this does (5) years, or both.	declaration is punishable under 18 U.S.C. 1001
LEGAL NAME OF	INVENTOR		
Inventor: Hidehik			Date: March 23, 202/
Signature:	Itidehito	Yabahara	

OBLON, McCLELLAND, MAIER & NEUSTADT, L.L.P.

ATTORNEYS AT LAW 1940 DUKE STREET ALEXANDRIA, VIRGINIA 22314

> PATENT REEL: 056745 FRAME: 0899

RECORDED: 07/02/2021