505754907 11/04/2019

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
Stylesheet Version v1.2

SUBMISSION TYPE:NEW ASSIGNMENTNATURE OF CONVEYANCE:ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
TATSUO SHIMIZU	10/15/2019
TOSHIYUKI OSHIMA	10/15/2019
RYOSUKE IIJIMA	10/15/2019
HISASHI YOSHIDA	10/15/2019
SHIGEYA KIMURA	10/15/2019

RECEIVING PARTY DATA

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

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	16551822

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: atrumpler@oblon.com

Correspondent Name: OBLON, ET AL.

Address Line 1: 1940 DUKE STREET

Address Line 4: ALEXANDRIA, VIRGINIA 22314

ATTORNEY DOCKET NUMBER:	524787US
NAME OF SUBMITTER:	ANDREW TRUMPLER
SIGNATURE:	/Andrew Trumpler/
DATE SIGNED:	11/04/2019
	This document serves as an Oath/Declaration (37 CFR 1.63).

Total Attachments: 5

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PATENT REEL: 050900 FRAME: 0417

EPAS ID: PAT5801720

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Title of Invention	SEMICONDUCTOR DEVICE, INVERTER CIRCUIT, DRIVING DEVICE, VEHICLE, AND ELEVATOR
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 16/551,822 filed on August 27, 2019 .
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.
(hereinafter referred Japan, is desirous	d to as "ASSIGNEE") having places of business at: 1-1, Shibaura 1-chome, Minato-ku, Tokyo, of acquiring the entire right, title and interest in and to said invention and in and to any Letters granted therefore in the United States and its territorial possessions and in any and all foreign
acknowledged, and said ASSIGNEE, the and in all foreign cother relevant Inter- interest in and to a	FORE, 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 be full and exclusive right to the said invention in the United States and its territorial possessions countries (including the right to claim priority under the terms of the International Convention and mational Treaties and Arrangements from the aforesaid application) and the entire right, title and any 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 ent (his) successors an	ze and request the Patent Office Officials in the United States and its territorial possessions and a countries to issue any and all of said Letters Patent, when granted, to said ASSIGNEE as the ire right, title and interest in and to the same, for the sole use and behoof of said ASSIGNEE, its d assigns, to the full end of the term for which said Letters Patent may be granted, as fully and a 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.	
	rledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 ment of not more than five (5) years, or both.
LEGAL NAME O	
Inventor: Tatsuo	SHIMIZU Date: October 15, 2019
Signature: A/	true & hime in

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

ATTORNEYS AT LAW 1940 DUKE STREET ALEXANDRIA, VIRGINIA 22314

13G10020563-US-A

Title of Invention	SEMICONDUCTOR DEVICE, IN VEHICLE, AND ELEVATOR	IVERTER CIRCUIT, DRIVING DEVICE,
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acknowledged, and said ASSIGNEE, the and in all foreign co- other relevant Inter- interest in and to a	for other good and valuable consideration for the good and valuable consideration for the full and exclusive right to the said involuntries (including the right to claim print properties and Arrangements from the good and all Letters Patent which may be any and all foreign countries and in	TIVE DOLLARS (\$5.00), the receipt whereof is hereby ion, I, by these presents do sell, assign and transfer unto rention in the United States and its territorial possessions ority under the terms of the International Convention and in the aforesaid application) and the entire right, title and a granted therefor in the United States and its territorial and to any and all divisions, reissues, continuations,
any and all foreign assignee of my enti (his) successors and	countries to issue any and all of said le right, title and interest in and to the s	Is in the United States and its territorial possessions and Letters Patent, when granted, to said ASSIGNEE as the ame, for the sole use and behoof of said ASSIGNEE, its which said Letters Patent may be granted, as fully and ssignment and sale not been made.
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	rledge that any willful false statement ma ment of not more than five (5) years, or b	de in this declaration is punishable under 18 U.S.C. 1001 both.
LEGAL NAME OF	INVENTOR	
Inventor: Toshiyu	ıki OSHIMA	Date: October 15, 2019
Signature: Tosh	ni yuki Oshima	• •

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	wledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 ment of not more than five (5) years, or both.
LEGAL NAME O	_
Inventor: Ryosuk	re IIJIMA Date: Oct 15, 2019
Signature:	zosake Siging

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LEGAL NAME O	FINVENTOR
Inventor: Hisashi	YOSHIDA Date: October 16, 2019
Signature: $\rightarrow C$	sochi Joshida

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

ATTORNEYS AT LAW 1940 DUKE STREET ALEXANDRIA, VIRGINIA 22314

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LEGAL NAME O	
Inventor: Shigey	
Signature:	Shizeye Himura

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

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13G10020563-US-A

PATENT REEL: 050900 FRAME: 0423

RECORDED: 11/04/2019