PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT4829160

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
TETSUJIRO TSUNODA	01/25/2018
TORU ICHIMURA	01/29/2018

RECEIVING PARTY DATA

Name:	MITSUBISHI ELECTRIC CORPORATION	
Street Address:	7-3, MARUNOUCHI 2-CHOME, CHIYODA-KU	
City:	TOKYO	
State/Country:	JAPAN	
Postal Code:	100-8310	

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	15898676

CORRESPONDENCE DATA

Fax Number: (703)390-1277

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.

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Email: info@sbpatentlaw.com

Correspondent Name: STUDEBAKER & BRACKETT PC
Address Line 1: 8255 GREENSBORO DRIVE

Address Line 2: SUITE 300

Address Line 4: TYSONS, VIRGINIA 22102

ATTORNEY DOCKET NUMBER:	004700-ME0286
NAME OF SUBMITTER: TIM L. BRACKETT, JR.	
SIGNATURE:	/Tim L. Brackett, Jr./
DATE SIGNED: 02/19/2018	
This document serves as an Oath/Declaration (37 CFR 1.63).	

Total Attachments: 3

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> PATENT REEL: 044963 FRAME: 0131

504782429



Attorney	Docket No.	

COMBINED DECLARATION (37 CFR 1.63) AND ASSIGNMENT OF APPLICATION FOR UNITED STATES LETTERS PATENT

Title of Invention:	
SEMICONDUCTOR DEVICE	
私は、以下に配名された発明者として、ここに下配 の通り宣言する:	As a below named inventor, I hereby declare that:
本宣言書は、以下の出願に対するものである:	This declaration is directed to:
□ 添付された出願、あるいは、□ 米国出願番号またはPCT国際出顧番号は、□ であり、且つの日に出願された出願(該当する場合)	The attached application, or United States application or PCT international application number
上記出顕著(明細書及び図面)は、私が作成したものか、あるいは私がその作成を許可したものである。	The above-identified application was made or authorized to be made by me.
私は、本米国出願の請求範囲で記載された発明に対 する原発明者であるか、或いは、原共同発明者であ ると信じている。	I believe that I am the original inventor or an original joint inventor of a claimed invention in the application.
私は、ここでの宣誓または陳述において故意に偽りを述べた場合、合衆国法典第18巻第1001条に基づき、罰金あるいは5年以下の懲役、または、両方の懲罰を受けることを認める。	I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine or imprisonment of not more than five (5) years, or both. STATEMENT OF ACCURATE TRANSLATION IN ACCORDANCE WITH 37 CFR 1.69(b):
	The Declaration and Assignment for Patent and Design Applications is an accurate translation of the corresponding English language Declaration and Assignment for Patent and Design Applications
	Signature: FL2
	Date: <u>11/15/2012</u>

WHEREAS the undersigned, hereinafter referred to as the assignor, has invented a certain $Page \ 1 \ of \ 3$



western with the production of the same		
•	Attorney Docket No.	
improvement relating to the above identified application.		
The inventor declaration for said application is combined	ned herewith.	
[imes] said application to be filed in the United States P	atent and Trademark Office;	
[] said application having been filed in the United States Patent and Trademark Office on, authorization being hereby given to the practitioners associated with <u>STUDEBAKER & BRACKETT PC's CUSTOMER NUMBER 78198</u> , to insert here in parentheses (Application Serial No) the application serial number of said application when known;		
[] said application having been filed under the Pate as Serial No, the Unite	nt Cooperation Treaty ond d States of America being designated.	
AND WHEREAS Mitsubishi Electric Corporation of 7-3, Marunouchi 2-chome, Chivoda-ku, Tokyo 100-8310, Japan, hereinafter referred to as the assignee, is desirous of acquiring the entire right, title and interest in and to said application, including any and all divisions and continuations thereof, and in and to said invention and any and all patents which may be granted therefor, including any and all renewals, reissues and prolongations thereof;		
NOW, that for and in consideration of One Dollar (\$1.00), and other good and valuable consideration paid by said assignee to said assignor, the receipt of which is hereby acknowledged, said assignor hereby assigns, sells and transfers to said assignee, and said assignee's successors and assigns, the full and exclusive right, title and interest in and to said application, including any and all divisions and continuations thereof, and in and to said invention and any and all patents which may be granted therefor, including any and all renewals, reissues and prolongations thereof; said assignee, and said assignee's successors and assigns, to have, hold, exercise and enjoy the said application, including any and all divisions and continuations thereof, and the said invention and any and all patents which may be granted therefor, including any and all renewals, reissues and prolongations thereof, with all the rights, powers, privileges and advantages in anywise arising from or appertaining thereto, for and during the term or terms of any and all such patents when granted, including any and all renewals, reissues and prolongations thereof, for the use and benefit of said assignee, and said assignee's successors and assigns, in as ample and beneficial a manner as the said assignor might or could have held and enjoyed the same, if this assignment had not been made.		
AND said assignor hereby agrees to perform, upon the request of said assignee, or said assignee's successors or assigns, any and all acts relating to the obtaining or to the asserting of said patents, including any and all renewals, reissues and prolongations thereof.		
AND said assignor authorizes and requests the Commissioner of Patents and Trademarks to issue Letters Patent on said application, and on any and all divisions and continuations thereof, to said assignee, and said assignee's successors and assigns, in accordance herewith.		
The undersigned hereby grants the law firm of STUDEBAKER & BRACKETT PC the power to insert on the Assignment portion of this combined Declaration and Assignment any further identification which may be necessary or desirable in order to comply with the rules of the U.S. Patent and Trademark Office for recordation of this document.		
This combined Declaration and Assignment has been executed by the undersigned on the date opposite the undersigned name.		
発明者氏名/ Legal Name of Inventor		
Tetsujiro TSUNODA		
発明者の署名/ Signature Jetsujino Jamoda	目付1 Data January 25, 2018	



Attorney	Docket No.	
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SUPPLEMENTAL SHEET FOR DECLARATION AND ASSIGNMENT 宣言書ならびに譲渡証の補足シート

ADDITIONAL INVENTOR(S)
Supplemental Sheet Page 1 of 1
追加の発明者
補足シート1/ページ

茂明者氏名/ Legal Name of Inventor Toru ICHIMURA		
発明者の署名/Signature Torn Pakimura	##/ Date January 29,2018	
発明者氏名/ Legal Name of Inventor		
発明者の署名/ Signature	目付/ Date	
発明者氏名/ Legal Name of Inventor		
発明者の署名/ Signature	目付/ Date	
発眄者氏名/ Legal Name of Inventor		
発明者の署名/ Signature	日付/ Date	
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務明者氏名/ Legal Name of Inventor		
発明者の署名/ Signature	日付/ Date	

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