503315222 05/20/2015

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
YOSHITAKA OTSUBO	04/03/2015
HIROSHI YOSHIDA	04/06/2015
JUNJI FUJINO	04/06/2015
MASAO KIKUCHI	04/06/2015
JUNICHI MURAI	04/06/2015

RECEIVING PARTY DATA

Name:	MITSUBISHI ELECTRIC CORPORATION	
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City:	TOKYO	
State/Country:	JAPAN	
Postal Code:	100-8310	

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	14717309

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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Correspondent Name: STUDEBAKER & BRACKETT PC Address Line 1: 12700 SUNRISE VALLEY DRIVE

Address Line 2: SUITE 102

Address Line 4: RESTON, VIRGINIA 20191

ATTORNEY DOCKET NUMBER:	004400-ME0026
NAME OF SUBMITTER:	DONALD R. STUDEBAKER
SIGNATURE:	/Donald R. Studebaker/
DATE SIGNED:	05/20/2015
	This document serves as an Oath/Declaration (37 CFR 1.63).

PATENT 503315222 REEL: 035680 FRAME: 0341

Total Attachments: 3 source=DEC_ASN#page1.tif source=DEC_ASN#page2.tif source=DEC_ASN#page3.tif

PATENT REEL: 035680 FRAME: 0342



Attorney Docket No.	

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

	
Title of Invention: Semiconductor Device and Manufacturing Metho	d Thereof
私は、以下に記名された発明者として、ここに下記 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国際出願番号は、 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 filed on
上記出願書(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: The signature of the signatur
	Date: <u>11/15/2012</u>



Attorney Docket	No.	

WHEREAS the undersigned, hereinafter referred to as the assignor, has invented a certain	
improvement relating to the above identified application.	

The inventor declaration for said application is combined herewith.

Said application to be filed in the United States Patent 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 STUDEBAKER & BRACKETT PC's
CUSTOMER NUMBER 78198, to insert here in parentheses (Application Serial No. _______) the
application serial number of said application when known;
asid application having been filed under the Patent Cooperation Treaty on ______, as
Serial No. ______, the United States of America being designated.

AND WHEREAS ______ Mitsubishi Electric Corporation ______ of ______, 7-3, Marunouchi 2-chome, Chiyoda-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 Yoshitaka OTSUBO			
発明者の署名/ Signature Youlutaka Okubo	日付/ Date のpri 人	3,2015	



Attorney Docket No.

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 _____ of ____ 追加の発明者 補足シート / ページ

	•
発明者氏名/ Legal Name of Inventor Hiroshi YOSHIDA	
発明者の署名/ Signature	日付/ Date
Hiroshi Yoshida	April 6, 2015
発明者氏名/ Legal Name of Inventor	
Junji FUJINO	
発明者の署名/ Signature	日付/ Date
Junji FUJINO	April 6, 2015
発明者氏名/ Legal Name of Inventor Masao KIKUCHI	
発明者の署名/ Signature	日付/ Date
Masao KIKUCHI	April 6, 2015
	<u> </u>
発明者氏名/ Legal Name of Inventor Junichi MURAI	
発明者の署名/ Signature	日付/ Date
Junichi Murai	April 6, 2015
発明者氏名/ Legal Name of Inventor	
発明者の署名/ Signature	日付/ Date
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Page 3