#### 505286405 01/18/2019

### PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT5333180

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

#### **CONVEYING PARTY DATA**

Name	Execution Date
TAKESHI TAWARA	12/27/2018
HIDEKAZU TSUCHIDA	12/25/2018
KOICHI MURATA	12/25/2018

#### **RECEIVING PARTY DATA**

Name:	FUJI ELECTRIC CO., LTD.	
Street Address:	1-1 TANABESHINDEN, KAWASAKI-KU	
City:	KAWASAKI-SHI, KANAGAWA	
State/Country:	JAPAN	
Postal Code:	210-9530	

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

Property Type	Number
Application Number:	16251791

#### CORRESPONDENCE DATA

Fax Number: (202)408-0924

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: 202-371-8976

Email: firm@rabinberdo.com Correspondent Name: RABIN & BERDO, P.C.

Address Line 1: 1101 14TH ST., N.W., SUITE 500

Address Line 4: WASHINGTON, D.C. 20005

ATTORNEY DOCKET NUMBER:	ASA-265
NAME OF SUBMITTER:	STEVEN M. RABIN
SIGNATURE:	/Steven M. Rabin/
DATE SIGNED:	01/18/2019
	This document serves as an Oath/Declaration (37 CFR 1.63).

#### **Total Attachments: 4**

source=03\_ASA-265\_ASG-DEC#page1.tif

source=03 ASA-265 ASG-DEC#page2.tif

source=03\_ASA-265\_ASG-DEC#page3.tif

source=03\_ASA-265\_ASG-DEC#page4.tif

Attorney Reference:	
---------------------	--

### ASSIGNMENT OF AND DECLARATION FOR APPLICATION FOR UNITED STATES LETTERS PATENT

WHEREAS Takeshi TAWARA, Hidekazu TSUCHIDA and Koichi MURATA, hereinafter referred to collectively as the assignor and inventor, has invented a certain improvement relating to SILICON CARBIDE SEMICONDUCTOR DEVICE AND METHOD OF MANUFACTURING SILICON CARBIDE SEMICONDUCTOR DEVICE.

[X] said application	n being attached he	reto;							
[ ] said applica , as App	tion having bee dication Scrial No.	n filed in th	e United s amended	States on	Patent	and	Trademark	Office	on _(if
applicable);									
[ ] the specification	n of which was file	d under the Pat	ent Cooper	ation Tr	eaty on			·	
Serial No	, the U	nited States of	America be	ing desi	gnated.				
AND WHERE	AS <u>FUJI ELECT</u>								

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 THIS WITNESSETH, that for and in consideration of One Dollar (\$1.00), and other good and valuable consideration paid by said assignee to said assigner, 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.

As an above-named inventor, I hereby declare that the above-identified application was made or authorized to be made by me, and that I am the original inventor or an original joint inventor of a claimed invention in the application.

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.

Address all correspondence and telephone calls to Rabin & Berdo, P.C., 1101 14<sup>th</sup> Street, N.W., Suite 500, Washington, D.C. 20005, Telephone: (202) 371-8976; Fax: (202) 408-0924, Customer No. 23995.

Attorney Refe	rence:
---------------	--------

## ${\color{blue} Continued-Page~2} \\ ASSIGNMENT~OF~AND~DECLARATION~FOR~APPLICATION~FOR~UNITED~STATES~LETTERS~PATENT$

WITNESS:	ASSIGNOR (SOLE OR FIRST INVENTOR):
Signature:	Signature: Jakeshi Jaworca
Name:	Legal Name: Takeshi TAWARA
Address:	Date: <u>Dec. 27, 2018</u>
WITNESS:	ASSIGNOR (SECOND INVENTOR):
Signature:	Signature:
Name:	Legal Name: <u>Hidekazu TSUCHIDA</u>
Address:	Date:
WITNESS:	ASSIGNOR (THIRD INVENTOR):
Signature:	Signature:
Name:	Legal Name: Koichi MURATA
Address:	Date:
RABIN & BERDO, P.C., Washington, D.C.	

Attorney Ref	erence:	
--------------	---------	--

### ASSIGNMENT OF AND DECLARATION FOR APPLICATION FOR UNITED STATES LETTERS PATENT

WHEREAS <u>Takeshi TAWARA</u>, <u>Hidekazu TSUCHIDA</u> and <u>Koichi MURATA</u>, hereinafter referred to collectively as the assignor and inventor, has invented a certain improvement relating to <u>SILICON</u>

# CARBIDE SEMICONDUCTOR DEVICE AND METHOD OF MANUFACTURING SILICON CARBIDE SEMICONDUCTOR DEVICE,

[X] said app	plication beir	ng attache	ed here	to;									
	application as Applicati												on _(if
applicable);													
[ ] the spec	cification of	which wa	s filed	under	the 1	Paten	t Cooper	ation Tr	eaty on			,	
Serial No		, t	he Uni	ited St	ates	of Ar	nerica be	ing desi	gnated.				
AND W	VHEREAS I	FUJI ELI	ECTR	IC CC	)., L	TD.,	hereinat	ter refer	red to as	the a	ssignees or a	pplicants	, are
	acquiring the												

AND WHEREAS <u>FUJI ELECTRIC CO., LTD.</u>, hereinafter referred to as the assignees or applicants, are 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 THIS WITNESSETH, 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.

As an above-named inventor, I hereby declare that the above-identified application was made or authorized to be made by me, and that I am the original inventor or an original joint inventor of a claimed invention in the application.

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.

Address all correspondence and telephone calls to Rabin & Berdo, P.C., 1101 14<sup>th</sup> Street, N.W., Suite 500, Washington, D.C. 20005, Telephone: (202) 371-8976; Fax: (202) 408-0924, Customer No. 23995.

Attorney	Reference:	

## Continued – Page 1 ASSIGNMENT OF AND DECLARATION FOR APPLICATION FOR UNITED STATES LETTERS PATENT

500, Washington, D.C. 20005, Telephone; (202) 371-8976; Fax: (202) 408-0924, Customer No. 23995.

WITNESS:	ASSIGNOR (SOLE OR FIRST INVENTOR,
Signature:	Signature:
Name:	Legal Name: Takeshi TAWARA
Address:	Date:
WITNESS:	ASSIGNOR (SECOND INVENTOR):
Signature:	Signature: Midkkom Luchida
Name:	Legal Name: <u>Hidekazu TSUCHIDA</u>
Address:	Date:
WITNESS:	ASSIGNOR (THIRD INVENTOR):
Signature:	Signature: Koichi Murota
Name:	
Address:	Date: Dec. 25 2018

PATENT REEL: 048060 FRAME: 0050

**RECORDED: 01/18/2019**