505892508 01/30/2020

### PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT5939209

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

#### **CONVEYING PARTY DATA**

Name	Execution Date
TAKASHI KATSUKI	01/16/2020

#### **RECEIVING PARTY DATA**

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

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

Property Type	Number
Application Number:	16777819

#### **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:	HAT-203
NAME OF SUBMITTER:	STEVEN M. RABIN
SIGNATURE:	/Steven M. Rabin/
<b>DATE SIGNED:</b> 01/30/2020	
	This document serves as an Oath/Declaration (37 CFR 1.63).

#### **Total Attachments: 2**

source=03\_HAT-203\_ASG-DEC#page1.tif source=03\_HAT-203\_ASG-DEC#page2.tif

PATENT 505892508 REEL: 051678 FRAME: 0436

Attorney Reference: HAT-203

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

WHEREAS Takashi KATSUKI_, hereinafter referred to collectively as the assignor and inventor, has			
invented a certain imp	rovement relating to <u>SEMICONDUCTOR DEVICE</u> ,		
[X] said application be	ing attached hereto;		
	aving been filed in the United States Patent and Trademark Office on		
[ ] the specification of which was filed under the Patent Cooperation Treaty on,			
Serial No	, the United States of America being designated.		
AND WHEREAS	FUJI ELECTRIC CO., LTD. of 1-1, Tanabeshinden, Kawasaki-ku,		
and to said application	Kawasaki-shi, Kanagawa 210-9530, JAPAN as the assignee or applicant, is desirous of acquiring the entire right, title and interest in including any and all divisions and continuations thereof, and in and to said invention which may be granted therefor, including any and all renewals, reissues and		

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.

PATENT REEL: 051678 FRAME: 0437

Attorney Reference: <u>HAT-203</u>

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

WITNESS:	ASSIGNOR (SOLE OR FIRST INVENTOR):
Signature:	Signature: Jakashi Kaxsuki
Name:	Legal Name: <u>Takashi KATSUKI</u>
Address:	Date: January 16, 2020
	~

RABIN & BERDO, P.C., Washington, D.C.

PATENT REEL: 051678 FRAME: 0438

**RECORDED: 01/30/2020**