PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT3865897

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
SHINICHIRO MATSUNAGA	04/07/2016

RECEIVING PARTY DATA

Name:	FUJI ELECTRIC CO., LTD.			
Street Address:	reet 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:	15150703				

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-116
NAME OF SUBMITTER:	STEVEN M. RABIN
SIGNATURE:	/Steven M. Rabin/
DATE SIGNED:	05/10/2016
	This document serves as an Oath/Declaration (37 CFR 1.63).

Total Attachments: 2

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PATENT 503819248 REEL: 038534 FRAME: 0329

Attorney	Reference:	

ASSIGNMENT OF AND DECLARATION FOR APPLICATION FOR UNITED STATES LETTERS PATENT

WHEREAS <u>Shinichiro MATSUNAGA</u>, hereinafter referred to collectively as the assignor and inventor, has invented a certain improvement relating to **SEMICONDUCTOR DEVICE**,

[X] s	said ap	plication bei	ing attach	ed here	eto;									
	,	as Applica	having tion Seria	been I No	filed	in and	the was a	United amended	States on	Patent	and	Trademark	Office	or (i:
appli	cable));				•								
[] t	he spe	cification of	which w	as filed	l under	the I	Pater	nt Coope	ration T	reaty on			,	
Seria	l No.			the Uni	ited Sta	ates c	of Ar	nerica be	ing desi	gnated.				

AND WHEREAS

FUJI ELECTRIC CO., LTD. of 1-1 Tanabeshinden, Kawasaki-ku, Kawasaki-shi, Kanagawa 210-9530, JAPAN

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.

PATENT REEL: 038534 FRAME: 0330

ASSIGNMENT OF AND DECLARAT	Continued – Page 2 ION FOR APPLICATION FOR UNITED STATES LETTERS PATENT
Address all correspondence and 500, Washington, D.C. 20005, Telepho	d telephone calls to Rabin & Berdo, P.C., 1101 14 th Street, N.W., Suite ne: (202) 371-8976; Fax: (202) 408-0924, Customer No. 23995.
WITNESS: Signature:	ASSIGNOR (SOLE OR FIRST INVENTOR): Signature: Animichiro Matsunaga
Address:	Legal Name: <u>Shinichiro MATSUNAGA</u> Date: <u>april 7, 2016</u>
RABIN & BERDO, P.C., Washington,	D.C.

Attorney Reference:

PATENT REEL: 038534 FRAME: 0331

RECORDED: 05/10/2016