503667649 01/27/2016

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT3714283

SUBMISSION TYPE:	CORRECTIVE ASSIGNMENT
NATURE OF CONVEYANCE:	Corrective Assignment to correct the SIGNATURE DATE OF THE THIRD INVENTOR AND TO RERECORD THE ASSIGNMENT previously recorded on Reel 037490 Frame 0340. Assignor(s) hereby confirms the ASSIGNMENT.

CONVEYING PARTY DATA

Name	Execution Date
SHUHEI MITANI	02/02/2014
YUKI NAKANO	01/07/2014
HEIJI WATANABE	02/15/2014
TAKAYOSHI SHIMURA	02/17/2014
TAKUJI HOSOI	02/17/2014
TAKASHI KIRINO	02/21/2014

RECEIVING PARTY DATA

Name:	ROHM CO., LTD.
Street Address:	21, SAIIN MIZOSAKI-CHO, UKYO-KU, KYOTO-SHI
City:	куото
State/Country:	JAPAN
Postal Code:	615-8585

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	14995454

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ATTORNEY DOCKET NUMBER:	AI-815NPC3
NAME OF SUBMITTER:	STEVEN M. RABIN
SIGNATURE:	/Steven M. Rabin/

PATENT 503667649 REEL: 037622 FRAME: 0605

Total Attachments: 4
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PATENT REEL: 037622 FRAME: 0606



United States Patent and Trademark Office





Electronic Patent Assignment System

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PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
SHUHEI MITANI	02/02/2014
YUKI NAKANO	01/07/2014
PEUI WATANABE	(0))15/2014 <
TAKAYOSHI SHIMURA	02/17/2014
TAKUH HOSOI	02/17/2014
TAKASHI KIRINO	02/21/2014

02/15/2014

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Name:	ROHM CO., LTD.	
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City:	KYOTO	
State/Country:	IAPAN	
Postal Code:	615-8585	

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	14995454

1 of 2

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ATTORNEY DOCKET NUMBER: AI-815NPC3

NAME OF SUBMITTER: STEVEN M. RABIN

Signature: /Steven M. Rabin/

Date: 01/14/2016

This document serves as an Oath/Declaration (37 CFR 1.63).

Total Attachments: 2

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PATENT

REEL: 037622 FRAME: 0608/2016 1:39 PM

ASSIGNMENT OF AND DECLARATION FOR APPLICATION FOR UNITED STATES LETTERS PATENT

Whereas Shuhei MITANI, Yuki NAKANO, Heiji WATANABE, Takayoshi SHIMURA, Takuji HOSOI, and Takashi KIRINO, hereinafter referred to collectively as the assignor and inventor, has invented a certain improvement relating to SEMICONDUCTOR DEVICE AND METHOD OF MANUFACTURING THE SAME.

() and application to be a superior to the second	
 said application being attached hereto; said application having been filed in the United State 	s Patent and Trademark Office on
January 7, 2014 as Application Sei	rial No. 14/148,766 and was amended
on(if a	applicable);
I I the specification of which was filed under the Patent Serial No, the United States of An	Cooperation Treaty on nerica being designated.
hereinafter referred to as the assignee or applicant, is and to said application, including any and all divisions a	zosaki-cho, Ukyo-ku, Kyoto-shi, Kyoto 615-8585, Japan, desirous of acquiring the entire right, title and interest in and continuations thereof, and in and to said invention and cluding any and all renewals, reissues and prolongations
consideration paid by said assignee to said assigner, thereby assigns, sells and transfers to said assignee, a exclusive right, title and interest in and to said application, and in and to said invention and any and all parenewals, reissues and prolongations thereof; said as have, hold, exercise and enjoy the said application, includes the said invention and any and all patents which may be and prolongations thereof, with all the rights, powers appertaining thereto, for and during the term or terms of all renewals, reissues and prolongations thereof, for the	ation of One Dollar (\$1.00), and other good and valuable the receipt of which is hereby acknowledged, said assignor and said assignee's successors and assigns, the full and cation, including any and all divisions and continuations itents which may be granted therefor, including any and all signee, and said assignee's successors and assigns, to uding any and all divisions and continuations thereof, and granted therefor, including any and all renewals, reissues, privileges and advantages in anywise arising from or any and all such patents when granted, including any and se use and benefit of said assignee, and said assignee's manner as the said assignor might or could have held and e.
	upon the request of said assignee, or said assignee's obtaining or to the asserting of said patents, including any
	ne Commissioner of Patents and Trademarks to issue divisions and continuations thereof, to said assignee, and herewith.
	are that the above-identified application was made or inventor or an original joint inventor of a claimed invention
I hereby acknowledge that any willful false sta U.S.C. 1001 by fine or imprisonment of not more than fix	tement made in this declaration is punishable under 18 ve (5) years, or both.
Address all correspondence and telephone cal 500, Washington, D.C. 20005, Telephone: (202) 371-89	is to Rabin & Berdo, P.C., 1101 14 th Street, N.W., Suite 76; Fax: (202) 408-0924, Customer No. 23995.
WITNESS:	ASSIGNOR (SOLE OR FIRST INVENTOR):
Signature:	Signature Shuke i Mitalia
Name:	Legal Name: Shuhei MITANI
Address:	Date: February 2, 2014

PATENT REEL: 037622 FRAME: 0609

ASSIGNMENT OF AND DECLARATION FOR APPLICATION FOR UNITED STATES LETTERS PATENT

WITNESS:	ASSIGNOR (SECOND INVENTOR):
Signature.	Signature: Juki Majka ho
Name:	Legal Name: Yuki NAKANO
Address:	/
WITNESS:	ASSIGNOR (THIRD INVENTOR):
Signature:	Signature: Heiji Watanaha
Name:	Legal Name. Heiji WATANABE
Address:	Date: February 15, 2014
168TALEOD.	ASSIGNOR (FOURTH INVENTOR):
WITNESS:	,
Signature:	y
Name:	
Address:	Date February 17, 2019
WITNESS:	ASSIGNOR (FIFTH INVENTOR):
Signature:	Signature: Jakes Viscos)
Name:	Legal Name: Takuji HOSOI
Address:	Date: February 17, 2014
WITNESS:	ASSIGNOR (FIFTH INVENTOR):
Signature:	Signature: Takashi Kityac
Name:	Legal Name: Takashi KIRINO
Address:	F 1 31 3. 10

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

PATENT REEL: 037622 FRAME: 0610

RECORDED: 01/27/2016