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PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	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

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State/Country:	JAPAN
Postal Code:	615-8585

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	17464303

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NAME OF SUBMITTER:	BRIAN D. WALKER	
SIGNATURE: /Brian D. Walker, Reg. #37751/		
DATE SIGNED:	09/02/2021	

Total Attachments: 2

PATENT REEL: 057368 FRAME: 0284

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> PATENT REEL: 057368 FRAME: 0285

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,] said application being attached hereto: [4] said application having been filed in the United States Patent and Trademark Office on January 7, 2014 as Application Serial No. 14/148,766 and was amended (if applicable); [] the specification of which was filed under the Patent Cooperation Treaty on Serial No. _____, the United States of America being designated. And Whereas ROHM CO., LTD. of 21, Saiin Mizosaki-cho, Ukyo-ku, Kyoto-shi, Kyoto 615-8585, Japan, hereinafter referred to as the assignee or applicant, 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 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 14th Street, N.W., Suite 500, Washington, D.C. 20005, Telephone: (202) 371-8976; Fax: (202) 408-0924, Customer No. 23995. ASSIGNOR (SOLE OR FIRST INVENTOR): WITNESS: Signature: Signature Shuhei Mitaki Legal Name: Shuhei MITANI Name: Date: February 2,2014 Address:

> PATENT REEL: 057368 FRAME: 0286

ASSIGNMENT OF AND DECLARATION FOR APPLICATION FOR UNITED STATES LETTERS PATENT

WITNESS: Signature.		
Address:		
WITNESS:	ASSIGNOR (THIRD INVENTOR):	
Signature:	Signature. <u>Heiji Watanaha</u>	
Name:	€.≯	
Address:	Sec. 1 16 17 17 17 17 17 17 17 17 17 17 17 17 17	
WITNESS:	ASSIGNOR (FOURTH INVENTOR):	
Signature:	Signature: Jakagueric Shimusa	
Name:	v	
Address:		
WITNESS:	ASSIGNOR (FIFTH INVENTOR):	
Signature:	Signature: <u>Jahrs? Hurus</u>	
Name:	Legal Name: Takuji HOSOI	
Address:	Date: February 17, 2014	
WITNESS:	ASSIGNOR (FIFTH INVENTOR):	
Signature:		
Name:		
Address:	Date: <u>February 21, 2014</u>	

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

PATENT REEL: 057368 FRAME: 0287

RECORDED: 09/02/2021