12/05/2018 505220064

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT5266832

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
MASAKAZU SAWANO	09/12/2018
TAKAHIRO TOMIMATSU	09/12/2018
JUNICHI SHIBATA	09/13/2018
HIDEKI INOKUMA	09/12/2018
HISASHI KATO	09/12/2018
KENTA YOSHINAGA	09/13/2018

RECEIVING PARTY DATA

Name:	TOSHIBA MEMORY CORPORATION	
Street Address:	1-1, SHIBAURA 1-CHOME	
City:	MINATO-KU, TOKYO	
State/Country:	JAPAN	
Postal Code:	105-0023	

PROPERTY NUMBERS Total: 1

Property Type	Number	
Application Number:	16126055	

CORRESPONDENCE DATA

Fax Number: (703)413-2220

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: (703) 413-3000 mwaller@oblon.com Email: **Correspondent Name:** OBLON, ET AL. Address Line 1: 1940 DUKE STREET

Address Line 4: ALEXANDRIA, VIRGINIA 22314

ATTORNEY DOCKET NUMBER:	516540US	
NAME OF SUBMITTER:	MELISSA WALLER	
SIGNATURE:	/Melissa Waller/	
DATE SIGNED: 12/05/2018		
	This document serves as an Oath/Declaration (37 CFR 1.63).	

PATENT REEL: 047676 FRAME: 0753 505220064

Total Attachments: 2 source=516540US#page1.tif

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PATENT REEL: 047676 FRAME: 0754

DECLARATION (37 CFR 1.63) FOR UTILITY OR DESIGN APPLICATION USING AN APPLICATION DATA SHEET (37 CFR 1.76) AND ASSIGNMENT FOR SINGLE ASSIGNEE

Title of Invention	SEMICONDUCTOR DEVICE	
As the below named inventor, I hereby declare that: This declaration The attached application, or is directed to: United States application or PCT international application number filed on September 10, 2018		
The above-iden	tified application was made or authorized to be made by me.	
I believe that I	am the original inventor or an original joint inventor of a claimed invention in the application.	
WHEREAS, T	oshiba Memory Corporation	
(hereinafter referred to as "ASSIGNEE") having places of business at: 1-1, Shibaura 1-chome, Minato-ku, Tokyo, 105-0023, Japan is desirous of acquiring the entire right, title and interest in and to said invention and in and to any Letters Patent that may be granted therefore in the United States and its territorial possessions and in any and all foreign countries;		
NOW, THEREFORE, in consideration of the sum of FIVE DOLLARS (\$5.00), the receipt whereof is hereby acknowledged, and for other good and valuable consideration, I, by these presents do sell, assign and transfer unto said ASSIGNEE, the full and exclusive right to the said invention in the United States and its territorial possessions and in all foreign countries (including the right to claim priority under the terms of the International Convention and other relevant International Treaties and Arrangements from the aforesaid application) and the entire right, title and interest in and to any and all Letters Patent which may be granted therefor in the United States and its territorial possessions and in any and all foreign countries and in and to any and all divisions, reissues, continuations, substitutions and renewals thereof.		
I hereby authorize and request the Patent Office Officials in the United States and its territorial possessions and any and all foreign countries to issue any and all of said Letters Patent, when granted, to said ASSIGNEE as the assignee of my entire right, title and interest in and to the same, for the sole use and behoof of said ASSIGNEE, its (his) successors and assigns, to the full end of the term for which said Letters Patent may be granted, as fully and entirely as the same would have been held by me had this Assignment and sale not been made.		
Further, I agree that I will communicate to said ASSIGNEE or its (his) representatives any facts known to me respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuation, substitute, renewal and reissue applications, execute all necessary assignment papers to cause any and all of said Letters Patent to be issued to said ASSIGNEE, make all rightful oaths, and, generally do everything possible to aid said ASSIGNEE, its (his) successors and assigns, to obtain and enforce proper protection for said invention in the United States and its territorial possessions and in any and all foreign countries.		
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.		
LEGAL NAME OF INVENTOR		
Inventor: (1) Masakazu Sawano Date: Sept. 12, 2018 Signature: Masakazu Sawano		
Signature: Masakazu Sawano		

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SUPPLEMENTAL SHEET FOR DECLARATION

ADDITIONAL INVENTOR(S)
Supplemental Sheet(for PTO/AIA/08,09)

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Legal Name of Additional Joint Inventor, if any		
(2) Takahiro Tomimatsu		
Inventor's Jahahira Tomimazsu	Date(Optional) Sept. 12, 2018	
Legal Name of Additional Joint Inventor, if any		
(3) Junichi Shibata		
Inventor's Signature Junich Shibata	Date(Optional)	
Legal Name of Additional Joint Inventor, if any		
(4) Hideki Inokuma		
Inventor's Signature Midehi Inokum	Sep. 12, 2018 Date(Optional)	
Legal Name of Additional Joint Inventor, if any		
(5) Hisashi Kato		
Inventor's Signature Kato Hisashi	Cep, 12, 2018 Date(Optional)	
Legal Name of Additional Joint Inventor, if any		
(6) Kenta Yoshinaga		
Inventor's Signature Kento Yashinaga	Sep. (3. 2018 Date(Optional)	

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RECORDED: 12/05/2018