#### 505382474 03/19/2019

## PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

#### **CONVEYING PARTY DATA**

Name	Execution Date
NOBUKI KANREI	03/11/2019

### **RECEIVING PARTY DATA**

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Name: Street Address:	TOSHIBA MEMORY CORPORATION  1-1, SHIBAURA 1-CHOME

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

Property Type	Number
Application Number:	16357969

#### CORRESPONDENCE DATA

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NAME OF SUBMITTER:	TIFFANY SHELTON
SIGNATURE:	/Tiffany Shelton/
DATE SIGNED:	03/19/2019
	This document serves as an Oath/Declaration (37 CFR 1.63).

**Total Attachments: 1** 

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**PATENT** REEL: 048637 FRAME: 0690

505382474

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

Invention	SEMICONDUCTOR DEVICE	
As the below name	d inventor, I hereby declare that:	
This declaration [X	The attached application, or	
	United States application or PCT international application number	
The above-identifie	ed application was made or authorized to be made by mc.	
I believe that I am t	the original inventor or an original joint inventor of a claimed invention in the application.	
(hereinafter referre Tokyo, Japan, (2)1- interest in and to s	KABUSHIKI KAISHA TOSHIBA, (2)TOSHIBA MEMORY CORPORATION at to as "ASSIGNEE") having places of business at: (1)1-1, Shibaura 1-chome, Minato-ku, -1, Shibaura 1-chome, Minato-ku, Tokyo, Japan, is desirous of acquiring the entire right, title and aid invention and in and to any Letters Patent that may be granted therefore in the United States assessions and in any and all foreign countries;	
acknowledged, and said ASSIGNEE, the and in all foreign cother relevant Inter- interest in and to a	FORE, in consideration of the sum of FIVE DOLLARS (\$5.00), the receipt whereof is hereby I for other good and valuable consideration, I, by these presents do sell, assign and transfer unto the full and exclusive right to the said invention in the United States and its territorial possessions ountries (including the right to claim priority under the terms of the International Convention and mational Treaties and Arrangements from the aforesaid application) and the entire right, title and any and all Letters Patent which may be granted therefor in the United States and its territorial any and all foreign countries and in and to any and all divisions, reissues, continuations, mewals thereof.	
any and all foreign assignee of my ent (his) successors an	ize and request the Patent Office Officials in the United States and its territorial possessions and a countries to issue any and all of said Letters Patent, when granted, to said ASSIGNEE as the ire right, title and interest in and to the same, for the sole use and behoof of said ASSIGNEE, its d assigns, to the full end of the term for which said Letters Patent may be granted, as fully and e 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.		
	viedge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 ment of not more than five (5) years, or both.	
LEGAL NAME O	F INVENTOR	
Inventor: Nobuk	KANREI Date: March 1/ 2019	
Signature: No	buli Kanrei	

OBLON, McCLELLAND, MAIER & NEUSTADT, L.L.P.
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PATENT REEL: 048637 FRAME: 0691

**RECORDED: 03/19/2019**