08/13/2018 505047186

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT5093940

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
RYUICHI FUJIMOTO	07/30/2018
KAN SHIMIZU	07/24/2018
SHIGEHITO SAIGUSA	07/20/2018
MOTOKI NAGATA	07/20/2018
YUMI TAKADA	07/20/2018
HITOSHI SHIGA	07/20/2018
MAKOTO MORIMOTO	07/20/2018

RECEIVING PARTY DATA

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

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	16101645

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

Email: mkocijanski@oblon.com

Correspondent Name: OBLON, ET AL. 1940 DUKE STREET Address Line 1:

Address Line 4: ALEXANDRIA, VIRGINIA 22314

ATTORNEY DOCKET NUMBER:	515691US
NAME OF SUBMITTER:	MEGHAN KOCIJANSKI
SIGNATURE:	/Meghan Kocijanski/
DATE SIGNED:	08/13/2018

	This document serves as an Oath/Declaration (37 CFR 1.63).
Total Attachments: 7	
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source=515691USASN#page5.tif	
source=515691USASN#page6.tif	
source=515691USASN#page7.tif	

Invention	SEMICONDUCTOR MEMORY DEVICE	
As the below name	d inventor, I hereby declare that:	
This declaration 🗵	The attached application, or	
is directed to:	United States application or PCT international application number	
The above-identifie	ed application was made or authorized to be made by me.	
I believe that I am t	the original inventor or an original joint inventor of a claimed invention in the application.	
WHEREAS, Toshiba 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;		
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 for other good and valuable consideration, I, by these presents do sell, assign and transfer unto me 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.	
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.		
	reledge 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 OF	<u> </u>	
Inventor: Ryuich		
Signature: R	tui chi Trusiano 6	

OBLON, McCLELLAND, MAIER & NEUSTADT, L.L.P.

ATTORNEYS AT LAW 1940 DUKE STREET ALEXANDRIA, VIRGINIA 22314

Title of Invention	SEMICONDUCTOR MEMORY DEVICE
an vention	
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by fine or imprison	wledge 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	FINVENTOR
Inventor: Kan SI	
Signature:	an Shimizu

OBLON, McCLELLAND, MAIER & NEUSTADT, L.L.P.

ATTORNEYS AT LAW 1940 DUKE STREET ALEXANDRIA, VIRGINIA 22314

Title of Invention	SEMICONDUCTOR MEMORY DEVICE	Æ	
As the below name	d inventor, I hereby declare that:		\neg
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The above-identifie	ed application was made or authorized to be made	e by me.	
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any and all foreign assignee of my ent (his) successors an	ize and request the Patent Office Officials in the a countries to issue any and all of said Letters F ire right, title and interest in and to the same, for d assigns, to the full end of the term for which e would have been held by me had this Assignment	Patent, when granted, to said ASSIGNEE as to the sole use and behoof of said ASSIGNEE, said Letters Patent may be granted, as fully a	he its
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	vledge that any willful false statement made in thi ment of not more than five (5) years, or both.	nis declaration is punishable under 18 U.S.C. 10	01
LEGAL NAME O	F INVENTOR		
Inventor: Shigeh		Date: July 20, 2018	
Signature:	Shigehito Saigusa	U V	

OBLON, McCLELLAND, MAIER & NEUSTADT, L.L.P.

ATTORNEYS AT LAW 1940 DUKE STREET ALEXANDRIA, VIRGINIA 22314

Title of SEMICONDUCTOR MEMORY DEVICE Invention	
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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.	
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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: Motoki NAGATA Date: July 20, 2018	
Signature: Motofei Nagata	

OBLON, McCLELLAND, MAIER & NEUSTADT, L.L.P.

ATTORNEYS AT LAW 1940 DUKE STREET ALEXANDRIA, VIRGINIA 22314

Invention	SEMICONDUCTOR MEMORY DEVICE
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LEGAL NAME O	FINVENTOR
Inventor: Yumi 7	
Signature:	Yumi Jakada

OBLON, McCLELLAND, MAIER & NEUSTADT, L.L.P.

ATTORNEYS AT LAW 1940 DUKE STREET ALEXANDRIA, VIRGINIA 22314

Title of Invention	SEMICONDUCTOR MEMORY DEVICE	
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LEGAL NAME O	FINVENTOR	
Inventor: Hitoshi	SHIGA Date: Jul. 20, 20/8	
Signature:	Iditohi Shiga	

OBLON, McCLELLAND, MAIER & NEUSTADT, L.L.P.

ATTORNEYS AT LAW 1940 DUKE STREET ALEXANDRIA, VIRGINIA 22314

Title of	SEMICONDUCTOR MEMORY DEVICE
Invention	22,102
As the below name	d inventor, I hereby declare that:
This declaration \(\subseteq \) The attached application, or	
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LEGAL NAME OF INVENTOR	
Inventor: Makoto	
Signature: Makota Morimoto	

OBLON, McCLELLAND, MAIER & NEUSTADT, L.L.P.

ATTORNEYS AT LAW 1940 DUKE STREET ALEXANDRIA, VIRGINIA 22314

> PATENT REEL: 046624 FRAME: 0578

RECORDED: 08/13/2018

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