502882724 07/08/2014

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 EPAS ID: PAT2929321

Stylesheet Version v1.2

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
AKIRA KATAYAMA	05/15/2014
KATSUHIKO HOYA	06/24/2014
KEIICHI RYU	05/13/2014
YASUHARU TAKAGI	05/13/2014

RECEIVING PARTY DATA

Name:	KABUSHIKI KAISHA TOSHIBA
Street Address:	1-1, SHIBAURA 1-CHOME, MINATO-KU
City:	TOKYO
State/Country:	JAPAN

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	14281433

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: mkassaye@oblon.com **Correspondent Name:** OBLON, SPIVAK, ET AL. Address Line 1: 1940 DUKE STREET

Address Line 4: ALEXANDRIA, VIRGINIA 22314

ATTORNEY DOCKET NUMBER:	435440US
NAME OF SUBMITTER:	MESFIN KASSAYE
SIGNATURE:	/Mesfin Kassaye/
DATE SIGNED:	07/08/2014
	This document serves as an Oath/Declaration (37 CFR 1.63).

Total Attachments: 4

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PATENT REEL: 033261 FRAME: 0665 502882724

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PATENT REEL: 033261 FRAME: 0666

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	THEREOF
As the below named in	nventor, I hereby declare that:
This declaration The attached application, or is directed to: United States application or PCT international application number PCT/JP2012/070780 filed on August 09, 2012.	
	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, KABUSHIKI KAISHA TOSHIBA (hereinafter referred to as "ASSIGNEE") having a place of business at: 1-1, Shibaura 1-Chome, Minato-Ku, Tokyo, 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 for said ASSIGNEE, the and in all foreign coun other relevant Internal interest in and to any possessions and in a substitutions and rene	
any and all foreign coassignee of my entire	and request the Patent Office Officials in the United States and its territorial possessions and countries to issue any and all of said Letters Patent, when granted, to said ASSIGNEE as the right, title and interest in and to the same, for the sole use and behoof of said ASSIGNEE, its assigns, to the full end of the term for which said Letters Patent may be granted, as fully and would have been held by me had this Assignment and sale not been made.
respecting said inver continuation, substitute all of said Letters Pa possible to aid said A	at I will communicate to said ASSIGNEE or its (his) representatives any facts known to mention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, the renewal and reissue applications, execute all necessary assignment papers to cause any and tent to be issued to said ASSIGNEE, make all rightful oaths, and, generally do everything ASSIGNEE, its (his) successors and assigns, to obtain and enforce proper protection for said d 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: Akira KA	'
Signature:	Ohing Vatayana

OBLON, SPIVAK, McCLELLAND, MAIER & NEUSTADT, L.L.P.
ATTORNEYS AT LAW
1940 DUKE STREET
ALEXANDRIA, VIRGINIA 22314

PATENT REEL: 033261 FRAME: 0667

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	THEREOF
As the below named inventor, I hereby declare that:	
	he attached application, or ited attached application number PCT/JP2012/070780 2012.
The above-identified 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.	
having a place of bus entire right, title and i	ISHIKI KAISHA TOSHIBA (hereinafter referred to as "ASSIGNEE") iness at: 1-1, Shibaura 1-Chome, Minato-Ku, Tokyo, Japan is desirous of acquiring the nterest in and to said invention and in and to any Letters Patent that may be granted therefore ad its territorial possessions and in any and all foreign countries;
acknowledged, and fo said ASSIGNEE, the and in all foreign cour other relevant Internat interest in and to any	RE, in consideration of the sum of FIVE DOLLARS (\$5.00), the receipt whereof is hereby receipt of the good and valuable consideration, I, by these presents do sell, assign and transfer unto full and exclusive right to the said invention in the United States and its territorial possessions stries (including the right to claim priority under the terms of the International Convention and ional Treaties and Arrangements from the aforesaid application) and the entire right, title and and all Letters Patent which may be granted therefor in the United States and its territorial my and all foreign countries and in and to any and all divisions, reissues, continuations, wals thereof.
any and all foreign co assignee of my entire (his) successors and a	and request the Patent Office Officials in the United States and its territorial possessions and puntries to issue any and all of said Letters Patent, when granted, to said ASSIGNEE as the right, title and interest in and to the same, for the sole use and behoof of said ASSIGNEE, its ssigns, to the full end of the term for which said Letters Patent may be granted, as fully and ould have been held by me had this Assignment and sale not been made.
respecting said invention continuation, substitute all of said Letters Part possible to aid said A	at I will communicate to said ASSIGNEE or its (his) representatives any facts known to me tion, and testify in any legal proceeding, sign all lawful papers, execute all divisional, e, renewal and reissue applications, execute all necessary assignment papers to cause any and tent to be issued to said ASSIGNEE, make all rightful oaths, and, generally do everything SSIGNEE, its (his) successors and assigns, to obtain and enforce proper protection for said a States and its territorial possessions and in any and all foreign countries.
1001 by fine or impris	dge that any willful false statement made in this declaration is punishable under 18 U.S.C. onment of not more than five (5) years, or both.
LEGAL NAME OF IN	
Inventor: Katsuhiko	HOYA Date: 2014, June, 28
Signature: <u>Kal</u>	A A A
	V

OBLON, SPIVAK, McCLELLAND, MAIER & NEUSTADT, L.L.P.
ATTORNEYS AT LAW
1940 DUKE STREET

ALEXANDRIA, VIRGINIA 22314

Toshiba's Ref: AMG061795USA-A

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	THEREOF
As the below named in	nventor, I hereby declare that:
This declaration ☐ The attached application, or is directed to: ☑United States application or PCT international application number PCT/JP2012/070780 filed on August 09, 2012.	
The above-identified a	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, <u>KABUSHIKI KAISHA TOSHIBA</u> (hereinafter referred to as "ASSIGNEE") having a place of business at: <u>1-1. Shibaura 1-Chome, Minato-Ku, Tokyo, Japan</u> 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 fo said ASSIGNEE, the and in all foreign cour other relevant Internat interest in and to any	RE, in consideration of the sum of FIVE DOLLARS (\$5.00), the receipt whereof is hereby rother good and valuable consideration, I, by these presents do sell, assign and transfer unto full and exclusive right to the said invention in the United States and its territorial possessions stries (including the right to claim priority under the terms of the International Convention and ional Treaties and Arrangements from the aforesaid application) and the entire right, title and and all Letters Patent which may be granted therefor in the United States and its territorial my and all foreign countries and in and to any and all divisions, reissues, continuations, wals thereof.
any and all foreign co assignee of my entire (his) successors and a	and request the Patent Office Officials in the United States and its territorial possessions and puntries to issue any and all of said Letters Patent, when granted, to said ASSIGNEE as the right, title and interest in and to the same, for the sole use and behoof of said ASSIGNEE, its ssigns, to the full end of the term for which said Letters Patent may be granted, as fully and ould have been held by me had this Assignment and sale not been made.
respecting said invention, substitute all of said Letters Parassible to aid said A	at I will communicate to said ASSIGNEE or its (his) representatives any facts known to me tion, and testify in any legal proceeding, sign all lawful papers, execute all divisional, e, renewal and reissue applications, execute all necessary assignment papers to cause any and tent to be issued to said ASSIGNEE, make all rightful oaths, and, generally do everything SSIGNEE, its (his) successors and assigns, to obtain and enforce proper protection for said I 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 IN	IVENTOR
Inventor: Keiichi RY Signature: Ke	
Signature:	

OBLON, SPIVAK, McCLELLAND, MAIER & NEUSTADT, L.L.P.
ATTORNEYS AT LAW
1940 DUKE STREET
ALEXANDRIA, VIRGINIA 22314

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Toshiba's Ref: AMG061795USA-A

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

SEMICONDUCTOR STORAGE DEVICE AND DRIVING METHOD

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 PCT/JP2012/070780 filed on August 09, 2012.
The above-identified 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, KABUSHIKI KAISHA TOSHIBA (hereinafter referred to as "ASSIGNEE") having a place of business at: 1-1, Shibaura 1-Chome, Minato-Ku, Tokyo, 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: Yasuharu TAKAGI Date: May 13, 2014 Signature: To k The Same Signature Signature Signature Date: May 13, 2014

OBLON, SPIVAK, McCLELLAND, MAIER & NEUSTADT, L.L.P. ATTORNEYS AT LAW 1940 DUKE STREET

ALEXANDRIA, VIRGINIA 22314

Title of Invention

THEREOF

PATENT REEL: 033261 FRAME: 0670

RECORDED: 07/08/2014