

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
Stylesheet Version v1.2

EPAS ID: PAT3369087

SUBMISSION TYPE:	CORRECTIVE ASSIGNMENT										
NATURE OF CONVEYANCE:	Corrective Assignment to correct the INVENTORS' EXECUTION DATES previously recorded on Reel 035689 Frame 0350. Assignor(s) hereby confirms the ASSIGNMENT.										
CONVEYING PARTY DATA											
<table border="1"><thead><tr><th>Name</th><th>Execution Date</th></tr></thead><tbody><tr><td>TARO IWASHIRO</td><td>04/09/2015</td></tr><tr><td>TAKUYA HAGA</td><td>04/09/2015</td></tr></tbody></table>	Name	Execution Date	TARO IWASHIRO	04/09/2015	TAKUYA HAGA	04/09/2015					
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TARO IWASHIRO	04/09/2015										
TAKUYA HAGA	04/09/2015										
RECEIVING PARTY DATA											
<table border="1"><tr><td>Name:</td><td>KABUSHIKI KAISHA TOSHIBA</td></tr><tr><td>Street Address:</td><td>1-1, Shibaura 1-chome, Minato-Ku</td></tr><tr><td>City:</td><td>Tokyo</td></tr><tr><td>State/Country:</td><td>Japan</td></tr><tr><td>Postal Code:</td><td>105-8001</td></tr></table>	Name:	KABUSHIKI KAISHA TOSHIBA	Street Address:	1-1, Shibaura 1-chome, Minato-Ku	City:	Tokyo	State/Country:	Japan	Postal Code:	105-8001	
Name:	KABUSHIKI KAISHA TOSHIBA										
Street Address:	1-1, Shibaura 1-chome, Minato-Ku										
City:	Tokyo										
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Postal Code:	105-8001										
PROPERTY NUMBERS Total: 1											
<table border="1"><thead><tr><th>Property Type</th><th>Number</th></tr></thead><tbody><tr><td>Application Number:</td><td>14644590</td></tr></tbody></table>	Property Type	Number	Application Number:	14644590							
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Application Number:	14644590										
CORRESPONDENCE DATA											
Fax Number: (703)413-2220											
<i>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.</i>											
Phone: (703) 413-3000											
Email: hcho@oblon.com											
Correspondent Name: OBLON, ET AL.											
Address Line 1: 1940 DUKE STREET											
Address Line 4: ALEXANDRIA, VIRGINIA 22314											
ATTORNEY DOCKET NUMBER:	450588US20										
NAME OF SUBMITTER:	HYUN CHO										
SIGNATURE:	/Hyun Cho/										
DATE SIGNED:	05/27/2015										
Total Attachments: 4											
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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
TARO IWASHIRO	05/09/2015
TAKUYA HAGA	05/09/2015
RECEIVING PARTY DATA	
Name:	KABUSHIKI KAISHA TOSHIBA
Street Address:	1-1, SHIBAURA 1-CHOME, MINATO-KU
City:	TOKYO
State/Country:	JAPAN
Postal Code:	105-8001
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	14644590
CORRESPONDENCE DATA	
Fax Number:	(703)413-2220
Phone:	(703) 413-3000
Email:	mkassaye@oblon.com
<i>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.</i>	
Correspondent Name:	OBLON, ET AL.
Address Line 1:	1940 DUKE STREET
Address Line 4:	ALEXANDRIA, VIRGINIA 22314
ATTORNEY DOCKET NUMBER:	450588US20ASSIGNMENT
NAME OF SUBMITTER:	MESFIN KASSAYE
Signature:	/Mesfin Kassaye/
Date:	05/21/2015
This document serves as an Oath/Declaration (37 CFR 1.63).	

PATENT

REEL: 035782 FRAME: 0904

Total Attachments: 2

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RECEIPT INFORMATION**EPAS ID:** PAT3363725**Receipt Date:** 05/21/2015**PATENT****REEL: 035782 FRAME: 0905**

**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	MEMORY SYSTEM
As the below named inventor, I hereby declare that: This declaration <input type="checkbox"/> The attached application, or is directed to: <input checked="" type="checkbox"/> United States application or PCT international application number <u>14/644,590</u> filed on <u>March 11, 2015</u> .	
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, <u>Kabushiki Kaisha Toshiba</u> (hereinafter referred to as "ASSIGNEE") having places of business at: <u>1-1, Shibaura 1-chome, Minato-ku, Tokyo 105-8001 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; 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: <u>Taro IWASHIRO</u>	Date: <u>April 9, 2015</u>
Signature: <u>Taro Iwashiro</u>	

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

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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 places of business at: <u>1-1, Shibaura 1-chome, Minato-ku, Tokyo</u>	
<u>105-8001 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;	
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: <u>Takuya HAGA</u>	Date: <u>April 9, 2015</u>
Signature: <u>Takuya HAGA</u>	

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