

## PATENT ASSIGNMENT COVER SHEET

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<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
KENSAKU YAMAGUCHI	08/03/2015
SHINGO TANAKA	08/05/2015
SHINYA MURAI	08/03/2015
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<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
Application Number:	14821987
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<b>NAME OF SUBMITTER:</b>	GREGORY TUROCY
<b>SIGNATURE:</b>	/Greg Turocy/
<b>DATE SIGNED:</b>	08/10/2015
This document serves as an Oath/Declaration (37 CFR 1.63).	
<b>Total Attachments: 4</b>	
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**COMBINED DECLARATION AND ASSIGNMENT  
(ORIGINAL, DESIGN, NATIONAL STAGE OF PCT)**

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As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name, I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

**TITLE: STORAGE CONTROLLING DEVICE, STORAGE  
CONTROLLING METHOD, STORAGE SYSTEM AND PROGRAM**

the specification of which

- (a) \_\_\_ is attached hereto.  
(b) \_\_\_ was filed on \_\_\_\_\_ as Serial No. \_\_\_\_\_ or Express Mail No. \_\_\_\_\_, as Serial No. not yet known, and was amended on \_\_\_\_\_ (if applicable).  
(c) \_\_\_ as described and claimed in PCT International Application No. \_\_\_\_\_ filed on and amended under PCT Article 19 on \_\_\_\_\_ (if any).

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above. I acknowledge the duty to disclose all information which is material to the patentability of this application as defined in Title 37, Code of Federal Regulations §1.56. The above-identified application was made or authorized to be made by me.

**PRIORITY CLAIM**

I hereby claim priority benefits under Title 35, United States Code, §119 of any provisional or foreign application(s) for patent or inventor's certificate or of any PCT international application(s) designating at least one country other than the United States of America listed below and have also identified below any foreign application(s) for patent or inventor's certificate or any PCT international application(s) designating at least one country other than the United States of America filed by me on the same subject matter having a filing date before that of the application(s) of which priority is claimed.

- (d) \_\_\_ no such applications have been filed.  
(e) x such applications have been filed as follows.

**EARLIEST FOREIGN OR PROVISIONAL APPLICATION(S), IF ANY FILED  
WITHIN 12 MONTHS (6 MONTHS FOR DESIGN) PRIOR TO THIS U.S.  
APPLICATION**

COUNTRY	APPLICATION NUMBER	DATE OF FILING (day, month, year)	PRIORITY CLAIMED UNDER 35, USC 119
<u>JP</u>	<u>2013-024644</u>	<u>12/02/2013</u>	<u>X</u> Yes <u>    </u> No

I hereby claim the benefit under 35 U.S.C. § 120 of any United States application(s), or § 365 (c) of any PCT International application designating the United States, listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States or PCT International application in the manner provided by the first paragraph of 35 U.S.C. § 112, I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR § 1.56 which became available between the filing date or the prior application and the national or PCT International filing date of this application.

<u>PCT/JP2014/053827</u> (Application No.)	<u>February 12, 2014</u> (Filing Date)	<u>Pending</u> (Status: Patented, Pending, Abandoned)
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**Send Correspondence To:**

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127 Public Square  
Cleveland, OH 44114

**Direct Telephone Calls To:**  
(name and telephone number)

Gregory Turocy  
(216) 696-8730

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with knowledge that willful false statements and the like are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issued therein.

I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. Section 1001 by fine or imprisonment of not more than five (5) years, or both.

**ASSIGNMENT**

For good and valuable consideration received of the hereinafter named assignee, receipt of which is hereby acknowledged, the undersigned

Kensaku Yamaguchi, Shingo Tanaka, Shinya Murai  
c/o Intellectual Property Div, Toshiba Corporation  
1-1, Shibaura 1-chome  
Minato-ku, Tokyo 105-8001 Japan

hereby sell and assign to Kabushiki Kaisha Toshiba, a corporation of Japan, having a business address at 1-1, Shibaura 1-chome, Minato-ku, Tokyo 105-8001, Japan, its successors and assigns, the entire right, title and interest, so far as concerns the United States and the Territories and Possessions thereof and all foreign countries, in and to the inventions titled above for which application for United States Letters Patent is executed by the undersigned on the date below and is being filed concurrently herewith, said application for United States Letters Patent, any and all other applications for Letters Patent on said inventions in countries foreign to the United States, including all divisional, renewal, substitute, continuation, Convention applications, reissue, reexamination, supplemental examination, inter partes review, post grant review, or other procedures thereof for the full term or terms for which the same may be granted based in whole or in part upon said inventions or upon said applications, and any and all Letters Patent and reissues and extensions of Letters Patent granted for said inventions or upon said applications, and every priority right that is or may be predicated upon or arise from said inventions, said applications and said Letters Patent; said assignee being hereby authorized to file patent applications in any or all countries on any or all said inventions in the name of the undersigned or in the name of said assignee or otherwise as said assignee may deem advisable, under the International Convention or otherwise; the Commissioner of Patents and Trademarks of the United States of America and the empowered officials of all other governments being hereby authorized to issue or transfer all said Letters Patent to said assignee in accordance herewith; this assignment being under covenant, not only that full power to make the same is had by the undersigned, but also that such assigned right is not encumbered by any grant, license, or other right heretofore given, and that the undersigned will do all acts reasonably serving to assure that said inventions, patent applications and Letters Patent shall be held and enjoyed by said assignee as fully and entirely as the same could have been held and enjoyed by the undersigned if this assignment had not been made, and particularly to execute and deliver to said assignee all lawful documents including petitions, specifications, oaths, assignments, invention disclaimers, and lawful affidavits in form and substance which may be requested by said assignee, to furnish said assignee with all facts relating to said inventions or the history thereof and any and all documents, photographs, models, samples or other physical exhibits which may be useful for establishing the facts of conception, disclosure and reduction to practice of said inventions, and to testify in any proceedings relating to said inventions, patent applications and Letters Patent.

The undersigned hereby appoint, request, and grant power to the following law firm to insert on this Combined Declaration and Assignment further identification which may be necessary or desirable in order to comply with the Rules of the U.S. Patent and Trademark Office for recordation of this document, for example, the U.S. Serial No. and filing date.

Amin, Turocy & Watson, LLP, 57th Floor - Key Tower, 127 Public Square, Cleveland, Ohio 44114.

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Full name of third inventor: Shinya MURAI  
Inventor's signature: *Shinya Murai*  
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CHECK FOR ANY OF THE FOLLOWING ADDED PAGE(S) WHICH  
FORM A PART OF THIS DECLARATION

This declaration ends with this page.