

PATENT ASSIGNMENT COVER SHEET

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NATURE OF CONVEYANCE:	ASSIGNMENT
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Name	Execution Date
KABUSHIKI KAISHA TOSHIBA	06/14/2017
RECEIVING PARTY DATA	
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PROPERTY NUMBERS Total: 2	
Property Type	Number
Application Number:	13228255
Application Number:	14794707
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DATE SIGNED:	07/13/2017
Total Attachments: 2	
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ASSIGNMENT

WHEREAS, **KABUSHIKI KAISHA TOSHIBA**, a Japan corporation having offices at 1-1, Shibaura 1-chome, Minato-ku, Tokyo, Japan (hereinafter "ASSIGNOR"), represents and warrants that it is the sole owner of the entire right, title, and interest to certain new and useful improvements for which ASSIGNOR has filed the following United States applications for Letters Patents in the United States (hereinafter "the Patent Applications"):

<u>Patent Application No.</u>	<u>Filing Date</u>	<u>Title</u>
13/228,255 (Now Patent No. 8,482,969 Issued: July 9, 2013)	September 8, 2011	SEMICONDUCTOR STORAGE DEVICE
14/794,707	July 8, 2015	SEMICONDUCTOR STORAGE DEVICE COMPRISING MAGNETIC TUNNEL JUNCTION ELEMENTS AND WRITE AMPLIFIERS

WHEREAS, **TOSHIBA MEMORY CORPORATION**, a Japan corporation having offices at 1-1, Shibaura 1-chome, Minato-ku, Tokyo, Japan (hereinafter "ASSIGNEE") desires to purchase the entire right, title, and interest in and to the inventions disclosed in the Patent Applications;

NOW, THEREFORE, for good and valuable consideration, the receipt of which is hereby acknowledged, ASSIGNOR hereby acknowledges that it has sold, assigned, and transferred, and by these presents does hereby sell, assign, and transfer, unto ASSIGNEE, its successors, legal representatives, and assigns, the entire right, title, and interest throughout the world in, to, and under the said improvements, and the said Patent Applications and all Patents that may be granted thereon, and all provisional applications relating thereto, and all divisions, continuations, reissues, reexaminations, renewals, and extensions thereof, and all rights of priority under International Conventions and applications for Letters Patent that may hereafter be filed for said improvements or for the said Patent Applications in any country or countries foreign to the United States; and ASSIGNOR hereby authorizes and requests the Commissioner of Patents of the United States, and any Official of any country foreign to the United States, whose duty it is to issue patents on applications as aforesaid, to issue all Letters Patent for said improvements and all Letters Patents resulting from the Patent Applications to ASSIGNEE, its successors, legal representatives, and assigns, in accordance with the terms of this Agreement.

ASSIGNOR does hereby sell, assign, transfer, and convey to ASSIGNEE, its successors, legal representatives, and assigns all claims for damages and all remedies arising out of any violation of the rights assigned hereby that may have accrued prior to the date of assignment to ASSIGNEE, or may accrue hereafter, including, but not limited to, the right to sue for, collect, and retain damages for past infringements of the said Patents before or after issuance;

ASSIGNOR hereby covenants and agrees that it will communicate to ASSIGNEE, its successors, legal representatives, and assigns any facts known to ASSIGNOR respecting the

Patent Applications immediately upon becoming aware of those facts, and that it will testify in any legal proceeding involving any of the Patent Applications, will sign all lawful papers, execute all divisional, continuing, and reissue applications, make all rightful oaths, and will generally do everything possible to aid ASSIGNEE, its successors, legal representatives, and assigns to obtain and enforce the Patent Applications in all countries.

Assignor (Conveying Party)

KABUSHIKI KAISHA TOSHIBA
1-1, Shibaura 1-chome, Minato-ku, Tokyo, Japan

By: 

Name: Ikuko SHIMOGAWARA

Title: General Manager, Intellectual Property Division

Date: June 14, 2017

Witnessed By: 

Witness Name: Takeshi SEKINE
Patent Attorney of KYOWA PATENT AND LAW OFFICE

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