

PATENT ASSIGNMENT COVER SHEET

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NATURE OF CONVEYANCE:	ASSIGNMENT	
CONVEYING PARTY DATA		
	Name	Execution Date
	KABUSHIKI KAISHA TOSHIBA	06/30/2017
RECEIVING PARTY DATA		
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State/Country:	JAPAN	
Postal Code:	105-0023	
PROPERTY NUMBERS Total: 1		
	Property Type	Number
	Application Number:	15600491
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ASSIGNMENT

WHEREAS, KABUSHIKI KAISHA TOSHIBA of 1-1, Shibaura 1-chome, Minato-ku, Tokyo 105-8001 Japan, a corporation organized and existing under the laws of the Country of Japan, is the sole and exclusive owner, by assignment, of the Letters Patent and applications for letters patent of the United States of America listed on the attached appendix(es) (hereinafter referred to as "APPENDIX(ES)").

WHEREAS, TOSHIBA MEMORY CORPORATION of 1-1, Shibaura 1-chome, Minato-ku, Tokyo 105-0023 Japan, a corporation organized and existing under the laws of the Country of Japan (hereinafter referred to as "ASSIGNEE"), is desirous of acquiring the entire right, title and interest in and to said Letters Patent and applications for letters patent and the inventions described therein as named in the APPENDIX(ES);

NOW, THEREFORE, after good and valuable consideration, the receipt of which is hereby acknowledge, KABUSHIKI KAISHA TOSHIBA by these presents do sell, assign, and transfer unto said ASSIGNEE the entire right, title and interest for the territory of the United States of America, in and to the aforesaid Letters Patent and in and to the aforesaid applications for letters patent and the inventions described therein and in and to any and all Letters Patent which may be granted therefor and in and to any and all divisions, continuations, substitutions and renewals thereof, and in and to any and all reissues of said Letters Patent to the full end of the term for which said Letters Patent have been granted or may be granted the same to be held and enjoyed by the ASSIGNEE for the use and behoof of said ASSIGNEE, and for the use and behoof of their successors, assigns or other legal representatives to the full end of the term for which said Letters Patent have been or may be granted, and for claims for

damage by reason of infringement past and present, as fully and entirely as the same would have been held by us had this Assignment and sale not been made.

KABUSHIKI KAISHA TOSHIBA further authorizes and requests the Patent Office Officials in the United States and its territorial possessions to issue any and all Letters Patent resulting from the aforesaid applications for letters patent or any divisions or continuations thereof, when granted, to ASSIGNEE as the assignee of the entire right, title and interest in and to the same.

IN TESTIMONY WHEREOF, KABUSHIKI KAISHA TOSHIBA, has caused these presents to be signed by its officer thereunto duly authorized.

KABUSHIKI KAISHA TOSHIBA

Date: June 30, 2017

By: Ikuko Shimogawara
Name: Ikuko SHIMOOGAWARA
Title: General Manager,
Intellectual Property Division

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