

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT	
NATURE OF CONVEYANCE:	ASSIGNMENT	
CONVEYING PARTY DATA		
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	KABUSHIKI KAISHA TOSHIBA	05/24/2018
RECEIVING PARTY DATA		
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State/Country:	JAPAN	
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PROPERTY NUMBERS Total: 1		
	Property Type	Number
	Application Number:	16268726
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DATE SIGNED:	02/06/2019	
Total Attachments: 2		
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ASSIGNMENT

WHEREAS, **Kabushiki Kaisha Toshiba** (Assignor), a corporation, having its offices and a place of business at 1-1 Shibaura 1-chome Minato-ku, Tokyo, Japan, is a joint owner of the applications and patents filed in the U. S. Patent and Trademark Office identified in the **LIST OF US PATENTS AND APPLICATIONS** at the end of this document;

WHEREAS, **Toshiba Memory Corporation** (Assignee), having its offices and a place of business at 1-1 Shibaura 1-chome Minato-ku, Tokyo, Japan, is desirous of acquiring **Kabushiki Kaisha Toshiba's** right, title and interest in and to the aforesaid inventions and in and to any Letters Patent of the United States or any foreign country which may be granted therefore;

NOW THEREFORE, for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, we, the aforesaid **Kabushiki Kaisha Toshiba** by these presents do confirm that we did, sell, assign and transfer to **Toshiba Memory Corporation** or, if not already done so, do hereby sell, assign and transfer unto **Toshiba Memory Corporation**, their successors, legal representatives and assigns, **Kabushiki Kaisha Toshiba's** full, exclusive and worldwide right in and to said inventions as described in said applications, in and to the aforesaid patents and applications and in and to any patents and legal equivalents thereof anywhere in the world which may be granted for said invention and in and to any and all divisions, reissues, continuations, extensions and renewals thereof, including the right to claim priority of the respective United States Patent application;

AND WE HEREBY authorize and request the Commissioner of Patents and Trademarks or any other proper officer or agency of any country to issue all said Letters Patent to said Assignee;

AND WE HEREBY warrant and covenant that we have full right to convey our entire interest herein assigned and that we have not executed and will not execute any instrument or assignment in conflict herewith;

AND WE HEREBY agree to communicate to said Assignee or its representatives any facts known to us respecting said invention, to execute all divisional, continuation, reissue and foreign applications, sign all lawful documents and make all rightful oaths relating to said invention, and to testify in any judicial or administrative proceeding and generally do everything possible to aid the said Assignee to obtain and enforce said Letters Patent in the United States or any foreign country when requested so to do by said Assignee.

Kabushiki Kaisha Toshiba

Date: May 11, 2018

By: Ikuko Shimogawara

Name: Ikuko Shimogawara

Title: General Manager, Intellectual Property Division

001701.00322, 00345, 00357, 00364, 00372, 00386, 00392, 00394, 00395, 00396, 00397

LIST OF US PATENTS AND APPLICATIONS

Application No.	Filing Date	Patent No.	Grant Date
10/051372	2002/1/22	6643188	2003/11/4
10/656139	2003/9/8	6990019	2006/1/24
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