505904836 02/07/2020 PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:		NEW ASSIGNMENT			
NATURE OF CONVEYANCE:		CONFIRMATORY ASSIGN	CONFIRMATORY ASSIGNMENT		
CONVEYING PARTY	DATA				
		Name Execution		Execution Date	
KABUSHIKI KAISHA T	OSHIBA			04/01/2017	
RECEIVING PARTY D	ATA				
Name:	TOSHIBA	TOSHIBA MEMORY CORPORATION			
Street Address:	1-1, SHIE	1-1, SHIBAURA 1-CHOME			
Internal Address:	MINATO-	MINATO-KU			
City:	ΤΟΚΥΟ	ΤΟΚΥΟ			
State/Country:	JAPAN	IAPAN			
PROPERTY NUMBER	S Total: 5				
Property Type		Number			
Patent Number:		224415			
Patent Number:)31313			
Patent Number: 8		331212			
Patent Number: 8		208292			
Patent Number:		107281			
CORRESPONDENCE Fax Number:		00)410,0000			
	•	03)413-2220 he e-mail address first; if that	is unsuccessfi	ıl. it will be sent	
		if that is unsuccessful, it will b			
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TTORNEY DOCKET	NUMBER:	527713US			
NAME OF SUBMITTER:		CARLA ASKEY	CARLA ASKEY		
SIGNATURE:		/Carla Askey/	/Carla Askey/		
DATE SIGNED:		02/07/2020			
otal Attachments: 3					

CONFIRMATORY ASSIGNMENT

WHEREAS, KABUSHIKI KAISHA TOSHIBA (KKT) of 1-1, Shibaura 1chome, Minato-ku, Tokyo, Japan, a corporation organized and existing under the laws of the Country of Japan, was on or before April 1, 2017, an owner, by assignment, of the Letters Patent of the United States of America, as noted on Schedule A of this assignment.

WHEREAS, TOSHIBA MEMORY CORPORATION of 1-1, Shibaura 1chome, Minato-ku, Tokyo, Japan, a corporation organized and existing under the laws of the Country of Japan (hereinafter referred to as "ASSIGNEE"), was split from KKT by way of an "Incorporate-type Company Split" dated April 1, 2017, and after good and valuable consideration, acquired a right, title and interest in and to said Letters Patent as noted on Schedule A of this assignment;

NOW, THEREFORE, by these presents hereby confirms the sale, assignment and transfer unto ASSIGNEE, effective on or before April 1, 2017, a right, title and interest for the territory of the United States of America, in and to the aforesaid Letters Patent as noted on Schedule A of this assignment, the inventions described therein, any and all divisions, continuations, reissues, substitutions and renewals thereof, and to any and all letters patent which have granted or may be granted therefor, said inventions and letters patent to be held and enjoyed by the ASSIGNEE, and for the use and benefit of said ASSIGNEE, and for the use and benefit of their successors, assigns or other legal representatives, to the full end of the term for which said letters patent have been granted or reissues may be granted, and for claims for damage by reasons of infringement past and present, as fully and entirely as the same would have been held by TOSHIBA MEMORY CORPORATION had this Assignment and sale not been made.

PATENT REEL: 051841 FRAME: 0434

IN TESTIMONY WHEREOF, KABUSHIKI KAISHA TOSHIBA has caused

these presents to be signed by its officer thereunto duly authorized.

KABUSHIKI KAISHA TOSHIBA

By: 5 09a am

Name: Ikuko SHIMOGAWARA Title: General Manager, Intellectual Property Division

PATENT REEL: 051841 FRAME: 0435

Patent No.	Issue Date
9224415	December 29, 2015
9031313	May 12, 205
8331212	December 11, 2012
8208292	June 26, 2012
8107281	January 31, 2012

SCHEDULE A

PATENT REEL: 051841 FRAME: 0436

RECORDED: 02/07/2020