## 505552013 07/01/2019

# PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

#### **CONVEYING PARTY DATA**

Name	Execution Date
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#### **PROPERTY NUMBERS Total: 1**

Property Type	Number	
Application Number:	16126229	

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SIGNATURE:	/David M. Tennant/
DATE SIGNED:	07/01/2019

PATENT REEL: 049638 FRAME: 0867

## **Total Attachments: 2**

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PATENT REEL: 049638 FRAME: 0868

# DECLARATION (37 CFR 1.63) FOR UTILITY OR DESIGN APPLICATION USING AN APPLICATION DATA SHEET (37 CFR 1.76) AND ASSIGNMENT FOR MULTIPLE ASSIGNES

Title of	MAGNETIC DISK DEVICE AND WRITE METHOD				
Invention					
	amed inventor, I hereby declare that:				
This declaration	APPARAN.				
is directed to:	X   United States application or PCT international application number 16/126,229     September 10,2018				
The above-ider	The above-identified application was made or authorized to be made by me.				
I believe that I	am the original inventor or an original joint inventor of a claimed invention in the application.				
1-chome, Minimal respectively are and in and to a	(1) KABUSHIKI KAISHA TOSHIBA and (2) Toshiba Electronic Devices & Storage Chereinafter referred to as "ASSIGNEES") having places of business at: (1) 1-1. Shibaura ato-ku. Tokyo 105-8001, Japan, (2) 1-1. Shibaura 1-chome, Minato-ku, Tokyo 105-0023, Japan, e desirous of jointly acquiring interests in the entire right, title and interest in and to said invention my Letters Patent that may be granted therefore in the United States and its territorial possessions all foreign countries;				
acknowledged, said ASSIGNE possessions and Convention and entire right, title and its territoria	REFORE, in consideration of the sum of FIVE DOLLARS (\$5.00), the receipt whereof is hereby and for other good and valuable consideration, I, by these presents do sell, assign and transfer unto EES, the full and exclusive right to the said invention in the United States and its territorial d in all foreign countries (including the right to claim priority under the terms of the International d other relevant International Treaties and Arrangements from the aforesaid application) and the e and interest in and to any and all Letters Patent which may be granted therefor in the United States ial possessions and in any and all foreign countries and in and to any and all divisions, reissues, substitutions and renewals thereof.				
any and all fore assignees of my their successors	porize and request the Patent Office Officials in the United States and its territorial possessions and eign countries to issue any and all of said Letters Patent, when granted, to said ASSIGNEES as the yentire right, title and interest in and to the same, for the sole use and behoof of said ASSIGNEES, and assigns, to the full end of the term for which said Letters Patent may be granted, as fully and same would have been held by me had this Assignment and sale not been made.				
Further, I agree that I will communicate to said ASSIGNEES or their representatives any facts known to me respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuation, substitute, renewal and reissue applications, execute all necessary assignment papers to cause any and all of said Letters Patent to be issued to said ASSIGNEES, make all rightful oaths, and, generally do everything possible to aid said ASSIGNEES, their successors and assigns, to obtain and enforce proper protection for said invention in the United States and its territorial possessions and in any and all foreign countries.					
I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine or imprisonment of not more than five (5) years, or both.					
LEGAL NAME OF INVENTOR					
Inventor: M	ichihiko Umeda Date: Sept, 18, 2018 Michiki Co Umeda				
Signature:	Michilia Co Coneda				

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### AGG10011333-US-A (18S0120)

SUPPLEMENTAL SHEET FOR DECLARATION	ADDITIONAL INVE	, ,
Legal Name of Additional Joint Inventor, if any		
Minoru Yamamoto		
Inventor's Signature Milnoru Jamay 10	. ]	Date(Optional) Left . / 8, 20/8

PATENT REEL: 049638 FRAME: 0870

RECORDED: 07/01/2019