PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
YUTAKA HORIGUCHI	04/11/2019

RECEIVING PARTY DATA

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PROPERTY NUMBERS Total: 1

Property Type	Number	
Application Number:	16287078	

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NAME OF SUBMITTER: DAVID M. TENNANT

SIGNATURE: /David M. Tennant/

DATE SIGNED: 05/15/2019

Total Attachments: 1

PATENT REEL: 049183 FRAME: 0468 source=1242236-0913-254_Assignment#page1.tif

PATENT REEL: 049183 FRAME: 0469

U.S. ASSIGNMENT

IN CONSIDERATION of the sum of One Dollar (\$1.00), and of other good and valuable consideration paid to the undersigned inventor(s) (hereinafter, "ASSIGNOR") by (Insert Name(s) & Address(es) of ASSIGNEE(S)) KABUSHIKI KAISHA TOSHIBA 1-1, Shibaura 1-chome, Minato-ku, Tokyo 105-0023 Japan and TOSHIBA ELECTRONIC DEVICES & STORAGE CORPORATION 1-1, Shibaura 1-chome, Minato-ku, Tokyo 105-0023 Japan (hereinafter, "ASSIGNEE"), the receipt of which is hereby acknowledged, the undersigned ASSIGNOR hereby sells, assigns and transfers to ASSIGNEE the entire and exclusive right, title and interest to the invention entitled (Title of Invention) MAGNETIC DISK DEVICE AND CONTROL METHOD relating to International Patent Application PCT/JP___/_ and/or for which application for Letters Patent of the United States was executed on even date herewith or, if not so executed, was: (a) executed on (Insert date of execution of application, if not concurrent) (b) filed on February 27, 2019

and to said application and all Letters Patent(s) of the United States granted on said application and any continuation, division, renewal, substitute, reissue or reexamination application based thereon, for the full term or terms for which the said Letters Patent(s) may be granted and including any extensions thereof (collectively, hereinafter, "said application(s) and Letters Patent(s)").

data, when known.

Assignee's attorney is hereby authorized to insert in (b) the specified

The ASSIGNOR agree(s), when requested by said ASSIGNEE and without charge to but at the expense of said ASSIGNEE, to do all acts which the ASSIGNEE may deem necessary, desirable or expedient, for securing, maintaining and enforcing protection for said invention, including in the preparation and prosecution of said application(s) and the issuance of said Letters Patent(s), in any interference, reissue, reexamination, or public use proceeding, and in any litigation or other legal proceeding which may arise or be declared in relation to same, such acts to include but not be limited to executing all papers, including separate assignments and declarations, taking all rightful oaths, providing sworm testimony, and obtaining and producing evidence.

IN WITNESS WHEREOF, the undersigned inventor(s) has (have) affixed his/her/their signature(s).

Serial No

RECORDED: 05/15/2019

16 / 287,078

1) Yutuka Ho	riquchi	Yutaka HORIGUCHI	Apr.11,2019	
(Signature)	J	(Type Name)	(Date)	-