

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
Stylesheet Version v1.2

EPAS ID: PAT4918191

<b>SUBMISSION TYPE:</b>	CORRECTIVE ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	Corrective Assignment to correct the SECOND ASSIGNEE'S NAME FROM "TOSHIBA ELECTRONIC DEVICES & STORAGE CORP." TO --TOSHIBA ELECTRONIC DEVICES & STORAGE CORPORATION-- previously recorded on Reel 044985 Frame 0179. Assignor(s) hereby confirms the ASSIGNMENT.
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
HIDEKI HIRONAKA	02/06/2018
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	KABUSHIKI KAISHA TOSHIBA
<b>Street Address:</b>	1-1, SHIBAURA 1-CHOME
<b>City:</b>	MINATO-KU, TOKYO
<b>State/Country:</b>	JAPAN
<b>Postal Code:</b>	105-8001
<b>Name:</b>	TOSHIBA ELECTRONIC DEVICES & STORAGE CORPORATION
<b>Street Address:</b>	1-1, SHIBAURA 1-CHOME
<b>City:</b>	MINATO-KU, TOKYO
<b>State/Country:</b>	JAPAN
<b>Postal Code:</b>	105-0023
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
Application Number:	15900906
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	
<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.</i>	
<b>Phone:</b>	202-626-3600
<b>Email:</b>	toshibapatents@whitecase.com
<b>Correspondent Name:</b>	WHITE & CASE LLP
<b>Address Line 1:</b>	701 13TH STREET NW
<b>Address Line 4:</b>	WASHINGTON, D.C. 20005
<b>ATTORNEY DOCKET NUMBER:</b>	1242236-0913-074 US
<b>NAME OF SUBMITTER:</b>	DAVID M. TENNANT
<b>SIGNATURE:</b>	/David M. Tennant/

<b>DATE SIGNED:</b>	04/17/2018
<b>Total Attachments: 2</b> source=1242236-0913-074_Assignment#page1.tif source=1242236-0913-074_Assignment#page2.tif	

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
Stylesheet Version v1.2

EPAS ID: PAT4832767

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
HIDEKI HIRONAKA	02/06/2018
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	KABUSHIKI KAISHA TOSHIBA
<b>Street Address:</b>	1-1, SHIBAURA 1-CHOME
<b>City:</b>	MINATO-KU, TOKYO
<b>State/Country:</b>	JAPAN
<b>Postal Code:</b>	105-8001
<b>Name:</b>	TOSHIBA ELECTRONIC DEVICES & STORAGE CORP.
<b>Street Address:</b>	1-1, SHIBAURA 1-CHOME
<b>City:</b>	MINATO-KU, TOKYO
<b>State/Country:</b>	JAPAN
<b>Postal Code:</b>	105-0023
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
Application Number:	15900906
<b>CORRESPONDENCE DATA</b>	
Fax Number:	
<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.</i>	
Phone:	202-626-3600
Email:	toshibapatents@whitecase.com
Correspondent Name:	WHITE & CASE LLP
Address Line 1:	701 13TH STREET NW
Address Line 4:	WASHINGTON, D.C. 20005
<b>ATTORNEY DOCKET NUMBER:</b>	1242236-0913-074 US
<b>NAME OF SUBMITTER:</b>	DAVID M. TENNANT
<b>SIGNATURE:</b>	/David M. Tennant/
<b>DATE SIGNED:</b>	02/21/2018
Total Attachments: 1	

# 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 105-8001 Japan

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 METHOD OF SETTING ON-TRACK DETERMINATION NUMBER OF  
MAGNETIC DISK DEVICE

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 21, 2018

Serial No. 15/900,906;

Assignee's attorney is hereby authorized to insert in (b) the specified data, when known.

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)").

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 sworn testimony, and obtaining and producing evidence.

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

1)	<u>Hideki HIRONAKA</u> (Signature)	<u>Hideki HIRONAKA</u> (Type Name)	<u>Feb. 6, 2018</u> (Date)
2)	_____ (Signature)	_____ (Type Name)	_____ (Date)
3)	_____ (Signature)	_____ (Type Name)	_____ (Date)
4)	_____ (Signature)	_____ (Type Name)	_____ (Date)
5)	_____ (Signature)	_____ (Type Name)	_____ (Date)