503765779 04/01/2016

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT3812426

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
SHUICHI TSUBATA	03/18/2015
MASATOSHI YOSHIKAWA	03/18/2015
SATOSHI SETO	04/21/2015
KAZUHIRO TOMIOKA	03/18/2015

RECEIVING PARTY DATA

Name:	KABUSHIKI KAISHA TOSHIBA	
Street Address:	1-1, SHIBAURA 1-CHOME	
Internal Address:	MINATO-KU	
City:	TOKYO	
State/Country:	JAPAN	
Postal Code:	105-8001	

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	14637019

CORRESPONDENCE DATA

Fax Number:

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.

Phone: 212-319-4900

Email: shimmelstein@hhpatent.com
Correspondent Name: HOLTZ HOLTZ & VOLEK

Address Line 1: 630 9TH AVE Address Line 2: SUITE 1010

Address Line 4: NEW YORK, NEW YORK 10036

ATTORNEY DOCKET NUMBER:	14523
NAME OF SUBMITTER:	STEVEN HIMMELSTEIN
SIGNATURE:	/Steven Himmelstein/
DATE SIGNED:	04/01/2016
	•

Total Attachments: 2

PATENT REEL: 038175 FRAME: 0112 source=Assignment#page1.tif source=Assignment#page2.tif

> PATENT REEL: 038175 FRAME: 0113

In consideration of value received, I, having a residence as stated below above my name, the sole inventor (if only one name is listed below) or a joint inventor (if plural inventors are listed below) of an invention described in an application for United States patent entitled:

MAGNETIC MEMORY DEVICE AND METHOD OF MANUFACTURING THE SAME

have sold and assigned and do hereby sell and assign to KABUSHIKI KAISHA TOSHIBA a Japanese corporation, having a business address at 1-1, Shibaura 1-chome, Minato-ku, Tokyo 105-8001, Japan

its successors, assigns or nominees, hereinafter referred to as "Assignee", my entire right, title and interest in and to said invention as disclosed, shown and described in said United States patent application:

(check one)	[X]	executed concurrently herewith	
•	[]	executed on	;
	[]	Application No.	, filed

and in and to all applications for patent and patents for invention including all divisions, reissues, continuations, substitutes and extensions thereof and all rights arising under or pursuant to any and all international agreements, treaties or laws relating to the protection of industrial property, including rights of priority, resulting from the filing of any of said applications; and I authorize and request any official whose duty is to issue patents, to issue any patent on said invention or resulting therefrom to said Assignee, and I agree that on request and without further consideration, but at the expense of said Assignee, I will communicate to said Assignee or its representatives all facts known to me respecting said invention and testify in any legal proceedings, sign all lawful papers, execute all divisional, continuing, continued prosecution, reissue, or other applications, make all rightful oaths and declarations, and generally do everything possible to aid said Assignee to obtain and enforce proper patent protection for said invention.

I hereby grant the following law firm the power to insert on this Assignment any further identification which may be necessary or desirable in order to comply with the Rules of the U.S. Patent and Trademark Office for recordation of this document.

Holtz, Holtz, Goodman & Chick PC, 220 Fifth Avenue - 16th Floor, New York, N.Y. 10001-7708

PATENT REEL: 038175 FRAME: 0114

ASSIGNMENT

ACG093317-USA-B (14S0278)

[1st Inventor] Residence Address: Seoul Korea Mailing Address: c/o IP Division, 36th floor, 1-1, Shib Citizenship: Japan	aura 1-chome, Minato-ku, Tokyo 105-8001, Japan
Shuichi Tsubata	March 18 2015
Shuichi Tsubata	Date:
[2nd Inventor] Residence Address: Seoul Korea Mailing Address: c/o IP Division, 36th floor, 1-1, Shib Citizenship: Japan	aura 1-chome, Minato-ku, Tokyo 105-8001, Japan
Manufosh Jahlann	March 18,2015
Masatoshi Yoshikawa	Date:
[3rd Inventor] Residence Address: Seoul Korea Mailing Address: c/o IP Division, 36th floor, 1-1, Shib Citizenship: Japan	aura 1-chome, Minato-ku, Tokyo 105-8001, Japan
Satochi Seto	April 21, 2015
Satoshi Seto	Date:
[4th Inventor] Residence Address: Seoul Korea Mailing Address: c/o IP Division, 36th floor, 1-1, Shib Citizenship: Japan	aura 1-chome, Minato-ku, Tokyo 105-8001, Japan
Kazehira Tominh	march 18. 2.15
Kazuhiro Tomioka	Date:

PATENT REEL: 038175 FRAME: 0115

RECORDED: 04/01/2016