#### 01/03/2017 504161687

## PATENT ASSIGNMENT COVER SHEET

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NATURE OF CONVEYANCE:	ASSIGNMENT

#### **CONVEYING PARTY DATA**

Name	Execution Date
DAISUKE WATANABE	09/04/2013
YOUNGMIN EEH	09/05/2013
KAZUYA SAWADA	09/05/2013
KOJI UEDA	09/09/2013
TOSHIHIKO NAGASE	09/04/2013

#### 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:	15397594		

#### **CORRESPONDENCE DATA**

Fax Number: (212)319-5101

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: 2123194900

Email: rlevinsohn@HHPATENT.COM HOLTZ, HOLTZ & VOLEK PC **Correspondent Name:** 

Address Line 1: 630 NINTH AVENUE

Address Line 2: **SUITE 1010** 

Address Line 4: **NEW YORK, NEW YORK 10036-3744** 

ATTORNEY DOCKET NUMBER:	1334D1
NAME OF SUBMITTER:	RYAN LEVINSOHN
SIGNATURE:	/Ryan Levinsohn/
DATE SIGNED:	01/03/2017

**PATENT** REEL: 040832 FRAME: 0644 504161687

# **Total Attachments: 2**

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PATENT REEL: 040832 FRAME: 0645 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:

### MAGNETORESISTIVE ELEMENT

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)		executed concurrently herewith			
	[	executed on Application No.	13/963734	; filed	August 9, 2013

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: 040832 FRAME: 0646

# ASSIGNMENT

[1st Inventor] Residence Address: Kai-shi, Japan	
Mailing Address: c/o Intellectual Property Division, T Minato-ku, Tokyo 105-8001, Japan	bshiba Corporation, 1-1, Shibaura 1-chome,
Citizenship: Japan	3
Daisuke Watanabe	Sept. 4,2013
Daisuke Watanabe	Date:
[2nd Inventor] Residence Address: Kawagoe-shi, Japan Mailing Address: c/o Intellectual Property Division, 7 Minato-ku, Tokyo 105-8001, Japan Citizenship: Republic of Korea	Toshiba Corporation, 1-1, Shibaura 1-chome,
Yourn Eeh	sep-5.2013
Youngmin eeh	Date:
[3rd Inventor] Residence Address: Morioka-shi, Japan Mailing Address: c/o Intellectual Property Division, Minato-ku, Tokyo 105-8001, Japan Citizenship: Japan	Ibshiba Corporation, 1-1, Shibaura 1-chome,
Kazaya Sanada	Sep. S., 20/3
Kazuya Sawada	Date:
[4th Inventor] Residence Address: Fukuoka-shi, Japan Mailing Address: c/o Intellectual Property Division, ' Minato-ku, Tokyo 105-8001, Japan Citizenship: Japan	Ibshiba Corporation, 1-1, Shibaura 1-chome,
Koji Veda	Sept., 9, 2013
Koji Ŭeda	Date:
[5th Inventor] Residence Address: Tokyo, Japan Mailing Address: c/o Intellectual Property Division, Minato-ku, Tokyo 105-8001, Japan Citizenship: Japan	Toshiba Corporation, 1-1, Shibaura 1-chome,
Joshihilo Nagasl	Sept., 4,2013 Date:
Toshihiko Nagase	Lacing.

PATENT REEL: 040832 FRAME: 0647

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