#### 503757119 03/28/2016

# PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT3803765

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

#### **CONVEYING PARTY DATA**

Name	Execution Date
TOSHIHIKO NAGASE	01/23/2015
DAISUKE WATANABE	01/22/2015
YOUNGMIN EEH	01/22/2015
KOJI UEDA	01/22/2015
KAZUYA SAWADA	01/22/2015
MAKOTO NAGAMINE	01/22/2015

#### **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:	14627552

#### **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:	14531
NAME OF SUBMITTER:	STEVEN HIMMELSTEIN
SIGNATURE:	/Steven Himmelstein/
DATE SIGNED:	03/28/2016

# Total Attachments: 3 source=Assignment#page1.tif source=Assignment#page2.tif source=Assignment#page3.tif

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 AND MANUFACTURING METHOD THEREOF

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

## ASSIGNMENT

ACG093041-USA-B (14S0233)

[1st Inventor]	
Residence Address: Seoul Korea Mailing Address: c/o IP Division, 36th floor, 1, 1, Sh	shows 1 shows Minetalay III 1 107 0004 T
Citizenship: Japan	iibaura 1-chome, Minato-ku, Tokyo 105-8001, Japan
0 11010	
Toshihiko Nagasi	Jan. 23, 2015
Toshihiko Nagase	Date:
[2nd Inventor] Residence Address: Seoul Korea Mailing Address: c/o IP Division, 36th floor, 1-1, Sh Citizenship: Japan	ibaura 1-chome, Minato-ku, Tokyo 105-8001, Japan
Daisuke Watanabe	Jan 22. 2015
Daisuke Watanabe	Date:
[3rd Inventor]	
Residence Address: Seoul Korea	ibaura 1-chome, Minato-ku, Tokyo 105-8001, Japan
Y 7 1	<del></del>
Toungoin Peh	Jan. 22, 2015
Youngmin Eeh	Jan. 22, 2015  Date:
Youngmin Eeh [4th Inventor]	
Youngmin Eeh  [4th Inventor] Residence Address: Seoul Korea	Date:
Youngmin Eeh [4th Inventor]	Date:
Youngmin Eeh  [4th Inventor] Residence Address: Seoul Korea Mailing Address: c/o IP Division, 36th floor, 1-1, Shi Citizenship: Japan	Date: ibaura 1-chome, Minato-ku, Tokyo 105-8001, Japan
Youngmin Eeh  [4th Inventor] Residence Address: Seoul Korea Mailing Address: c/o IP Division, 36th floor, 1-1, Shi	Date:
Youngmin Eeh  [4th Inventor] Residence Address: Seoul Korea Mailing Address: c/o IP Division, 36th floor, 1-1, Shi Citizenship: Japan	Date:  ibaura 1-chome, Minato-ku, Tokyo 105-8001, Japan  Jan. 22, 20/5  Date:
Youngmin Eeh  [4th Inventor] Residence Address: Seoul Korea Mailing Address: c/o IP Division, 36th floor, 1-1, Shi Citizenship: Japan  Koji Ueda  [5th Inventor] Residence Address: Seoul Korea Mailing Address: c/o IP Division, 36th floor, 1-1, Shi	Date:  ibaura 1-chome, Minato-ku, Tokyo 105-8001, Japan  Jan. 22, 20/5  Date:

## ASSIGNMENT

ACG093041-USA-B (14S0233)

[6th Inventor]

Residence Address: Seoul Korea
Mailing Address: c/o IP Division, 36th floor, 1-1, Shibaura 1-chome, Minato-ku, Tokyo 105-8001, Japan

Citizenship: Japan

Jan 22, 2015.

Makoto Nagamine

Date:

**PATENT REEL: 038116 FRAME: 0974** 

**RECORDED: 03/28/2016**