

PATENT ASSIGNMENT

Electronic Version v1.1

Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT										
NATURE OF CONVEYANCE:	ASSIGNMENT										
CONVEYING PARTY DATA											
<table border="1"><thead><tr><th>Name</th><th>Execution Date</th></tr></thead><tbody><tr><td>Masayoshi IWAYAMA</td><td>09/08/2008</td></tr><tr><td>Keiji HOSOTANI</td><td>09/17/2008</td></tr><tr><td>Takeshi KAJIYAMA</td><td>09/08/2008</td></tr><tr><td>Yoshiaki ASAO</td><td>09/08/2008</td></tr></tbody></table>	Name	Execution Date	Masayoshi IWAYAMA	09/08/2008	Keiji HOSOTANI	09/17/2008	Takeshi KAJIYAMA	09/08/2008	Yoshiaki ASAO	09/08/2008	
Name	Execution Date										
Masayoshi IWAYAMA	09/08/2008										
Keiji HOSOTANI	09/17/2008										
Takeshi KAJIYAMA	09/08/2008										
Yoshiaki ASAO	09/08/2008										
RECEIVING PARTY DATA											
Name:	KABUSHIKI KAISHA TOSHIBA										
Street Address:	1-1, Shibaura 1-chome, Minato-Ku										
City:	Tokyo										
State/Country:	Japan										
Postal Code:	105-8001										
PROPERTY NUMBERS Total: 1											
<table border="1"><thead><tr><th>Property Type</th><th>Number</th></tr></thead><tbody><tr><td>Application Number:</td><td>12200181</td></tr></tbody></table>	Property Type	Number	Application Number:	12200181							
Property Type	Number										
Application Number:	12200181										
CORRESPONDENCE DATA											
Fax Number:	(703)413-2220										
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>											
Phone:	(703) 413-3000										
Email:	aassefa@oblon.com										
Correspondent Name:	Oblon, Spivak, et al.										
Address Line 1:	1940 Duke Street										
Address Line 4:	Alexandria, VIRGINIA 22314										
ATTORNEY DOCKET NUMBER:	331265US2S										
NAME OF SUBMITTER:	Aynalem Assefa										
Total Attachments: 2											
source=331265USAssignment#page1.tif											

OP \$40.00 12200181

500702102

PATENT
REEL: 021822 FRAME: 0272

A S S I G N M E N T

ACG047204-USA-A
(08S0521)

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 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) ☒ executed concurrently herewith
 ☐ executed on ;
 ☒ Application No. 12/200,181 , filed August 28, 2008 ;

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.

Oblon, Spivak, McClelland, Maier & Neustadt, P.C., 1940 Duke Street, Alexandria, VA
22314

ASSIGNMENT

ACG047204-USA-A
(08S0521)

[1st Inventor]

Residence Address: Kawasaki-shi, Japan

Mailing Address: c/o Intellectual Property Division, Toshiba Corporation, 1-1, Shibaura 1-chome,
Minato-ku, Tokyo 105-8001, Japan

Citizenship: Japan

Masayoshi Iwayama
Masayoshi IwayamaSeptember 8, 2008
Date:

[2nd Inventor]

Residence Address: Sagamihara-shi, Japan

Mailing Address: c/o Intellectual Property Division, Toshiba Corporation, 1-1, Shibaura 1-chome,
Minato-ku, Tokyo 105-8001, Japan

Citizenship: Japan

Keiji Hosotani
Keiji HosotaniSep. 17, 2008
Date:

[3rd Inventor]

Residence Address: Yokohama-shi, Japan

Mailing Address: c/o Intellectual Property Division, Toshiba Corporation, 1-1, Shibaura 1-chome,
Minato-ku, Tokyo 105-8001, Japan

Citizenship: Japan

Takeshi Kajiyama
Takeshi KajiyamaSeptember 8, 2008
Date:

[4th Inventor]

Residence Address: Sagamihara-shi, Japan

Mailing Address: c/o Intellectual Property Division, Toshiba Corporation, 1-1, Shibaura 1-chome,
Minato-ku, Tokyo 105-8001, Japan

Citizenship: Japan

Yoshiaki Asao
Yoshiaki AsaoSeptember 8, 2008
Date: