

PATENT ASSIGNMENT

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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>Masahiko NAKAYAMA</td> <td>04/12/2012</td> </tr> <tr> <td>Katsuya NISHIYAMA</td> <td>05/15/2012</td> </tr> </tbody> </table>		Name	Execution Date	Masahiko NAKAYAMA	04/12/2012	Katsuya NISHIYAMA	05/15/2012				
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RECEIVING PARTY DATA											
<table border="1"> <tr> <td>Name:</td> <td>KABUSHIKI KAISHA TOSHIBA</td> </tr> <tr> <td>Street Address:</td> <td>1-1, Shibaura 1-chome, Minato-Ku</td> </tr> <tr> <td>City:</td> <td>Tokyo</td> </tr> <tr> <td>State/Country:</td> <td>Japan</td> </tr> <tr> <td>Postal Code:</td> <td>105-8001</td> </tr> </table>		Name:	KABUSHIKI KAISHA TOSHIBA	Street Address:	1-1, Shibaura 1-chome, Minato-Ku	City:	Tokyo	State/Country:	Japan	Postal Code:	105-8001
Name:	KABUSHIKI KAISHA TOSHIBA										
Street Address:	1-1, Shibaura 1-chome, Minato-Ku										
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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>13432626</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13432626						
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Application Number:	13432626										
CORRESPONDENCE DATA											
Fax Number:	(703)413-2220										
Phone:	(703) 413-3000										
Email:	bpalmer@oblon.com										
<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US Mail.</i>											
Correspondent Name:	Oblon, Spivak, et al.										
Address Line 1:	1940 Duke Street										
Address Line 4:	Alexandria, VIRGINIA 22314										
ATTORNEY DOCKET NUMBER:	397180US2S CONT										
NAME OF SUBMITTER:	Brian Palmer										
Total Attachments: 2 source=397180USASSN#page1.tif source=397180USASSN#page2.tif											

OP \$40.00 13432626

ASSIGNMENT

DPG050985-USA-A
(11S1327P)

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:

MAGNETORESISTANCE EFFECT ELEMENT AND MAGNETIC MEMORY

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. 13/432,626 , filed March 28, 2012 ;

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, L.L.P., 1940 Duke Street Alexandria, VA 22314

ASSIGNMENT

DPG050985-USA-A
(11S1327P)

[1st 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

Masahiko Nakayama

Masahiko Nakayama

Apr. 12. 2012

Date:

[2nd 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

Katsuya Nishiyama

Katsuya Nishiyama

May 15. 2012.

Date: