

PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT																						
NATURE OF CONVEYANCE:	ASSIGNMENT																						
CONVEYING PARTY DATA																							
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 70%;">Name</th> <th style="width: 30%;">Execution Date</th> </tr> </thead> <tbody> <tr><td>Masahiko NAKAYAMA</td><td>05/11/2009</td></tr> <tr><td>Kay YAKUSHIJI</td><td>05/08/2009</td></tr> <tr><td>Sumio IKEGAWA</td><td>05/11/2009</td></tr> <tr><td>Shinji YUASA</td><td>05/08/2009</td></tr> <tr><td>Tadashi KAI</td><td>05/11/2009</td></tr> <tr><td>Toshihiko NAGASE</td><td>05/11/2009</td></tr> <tr><td>Minoru AMANO</td><td>05/11/2009</td></tr> <tr><td>Hisanori AIKAWA</td><td>05/11/2009</td></tr> <tr><td>Tatsuya KISHI</td><td>05/11/2009</td></tr> <tr><td>Hiroaki YODA</td><td>05/11/2009</td></tr> </tbody> </table>		Name	Execution Date	Masahiko NAKAYAMA	05/11/2009	Kay YAKUSHIJI	05/08/2009	Sumio IKEGAWA	05/11/2009	Shinji YUASA	05/08/2009	Tadashi KAI	05/11/2009	Toshihiko NAGASE	05/11/2009	Minoru AMANO	05/11/2009	Hisanori AIKAWA	05/11/2009	Tatsuya KISHI	05/11/2009	Hiroaki YODA	05/11/2009
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<table border="1" style="width: 100%; border-collapse: collapse;"> <tr><td style="width: 20%;">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												
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PROPERTY NUMBERS Total: 1																							
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CORRESPONDENCE DATA																							
<p>Fax Number: (703)413-2220</p> <p><i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i></p> <p>Phone: (703) 413-3000</p> <p>Email: aassefa@oblon.com</p> <p>Correspondent Name: Oblon, Spivak, et al.</p> <p>Address Line 1: 1940 Duke Street</p>																							

OP \$40.00 12248484

500866236

PATENT
REEL: 022718 FRAME: 0899

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333337USSSRD

NAME OF SUBMITTER:

Aynalem Assefa

Total Attachments: 6

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ASSIGNMENT

13G047722-USA-A
(08S1317-1)

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 EFFECT ELEMENT AND MAGNETIC RANDOM ACCESS
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. 12/248,484 , filed October 9, 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

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13G047722-USA-A
(08S1317-1)

[1st Inventor]

Residence Address: Yokohama-shi, Japan

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Citizenship: Japan

Masahiko Nakayama

Masahiko Nakayama

May 11, 2009

Date:

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Residence Address: Tsukuba-shi, Japan

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Kay Yakushiji

Date:

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Sumio Ikegawa

Sumio Ikegawa

May 11, 2009

Date:

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Date:

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Tadashi Kai

Tadashi Kai

May 11, 2009

Date:

PATENT

REEL: 022718 FRAME: 0902

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Kay Yakushiji

Date:

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Citizenship: Japan

Tadashi Kai

Date:

PATENT

REEL: 022718 FRAME: 0904

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13G047722-USA-A
(08S1317-1)

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Toshihiko Nagase

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Minoru Amano

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Date:

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Citizenship: Japan

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Hisanori Aikawa

May 11. 2009

Date:

[9th Inventor]

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Country of Citizenship: Japan

Tatsuya Kishi

Tatsuya Kishi

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Date:

[10th Inventor]

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Citizenship: Japan

Hiroaki Yoda

Hiroaki Yoda

May 11, 2009

Date:

PATENT

RECORDED: 05/21/2009

REEL: 022718 FRAME: 0906