

## 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>Toshihiko NAGASE</td> <td>02/09/2012</td> </tr> <tr> <td>Tadashi KAI</td> <td>02/10/2012</td> </tr> <tr> <td>Katsuya NISHIYAMA</td> <td>01/27/2012</td> </tr> <tr> <td>Eiji KITAGAWA</td> <td>01/27/2012</td> </tr> <tr> <td>Tadaomi DAIBOU</td> <td>01/27/2012</td> </tr> <tr> <td>Masahiko NAKAYAMA</td> <td>01/27/2012</td> </tr> <tr> <td>Makoto NAGAMINE</td> <td>01/27/2012</td> </tr> <tr> <td>Shigeto FUKATSU</td> <td>01/27/2012</td> </tr> <tr> <td>Masatoshi YOSHIKAWA</td> <td>01/27/2012</td> </tr> <tr> <td>Hiroaki YODA</td> <td>01/27/2012</td> </tr> </tbody> </table>		Name	Execution Date	Toshihiko NAGASE	02/09/2012	Tadashi KAI	02/10/2012	Katsuya NISHIYAMA	01/27/2012	Eiji KITAGAWA	01/27/2012	Tadaomi DAIBOU	01/27/2012	Masahiko NAKAYAMA	01/27/2012	Makoto NAGAMINE	01/27/2012	Shigeto FUKATSU	01/27/2012	Masatoshi YOSHIKAWA	01/27/2012	Hiroaki YODA	01/27/2012
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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>13407039</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13407039																		
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Application Number:	13407039																						
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ASSIGNMENT

DPG051692-USA-A  
(09S1451P)

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 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. 13/407,039 , filed February 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.

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Hiroaki Yoda

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