

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>Kazuto KASHIWAGI</td> <td>06/07/2012</td> </tr> <tr> <td>Takayuki KAWABE</td> <td>06/07/2012</td> </tr> </tbody> </table>		Name	Execution Date	Kazuto KASHIWAGI	06/07/2012	Takayuki KAWABE	06/07/2012
Name	Execution Date						
Kazuto KASHIWAGI	06/07/2012						
Takayuki KAWABE	06/07/2012						
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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>13551343</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13551343		
Property Type	Number						
Application Number:	13551343						
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Total Attachments: 2 source=TOSH0491us_Assignment#page1.tif source=TOSH0491us_Assignment#page2.tif							

OP \$40.00 13551343

ASSIGNMENT

AGG062311-USA-A
(11S1288)

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:

MAGNETIC DISK DRIVE AND DATA BUFFERING METHOD APPLIED TO 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. , 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.

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ASSIGNMENT

AGG062311-USA-A
(11S1288)

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June 7, 2012

Kazuto Kashiwagi

Date:

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Takayuki Kawabe

June 7, 2012

Takayuki Kawabe

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