

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>Hiroshi Isokawa</td> <td>02/22/2013</td> </tr> <tr> <td>Tomoko Taguchi</td> <td>02/22/2013</td> </tr> </tbody> </table>		Name	Execution Date	Hiroshi Isokawa	02/22/2013	Tomoko Taguchi	02/22/2013
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Hiroshi Isokawa	02/22/2013						
Tomoko Taguchi	02/22/2013						
RECEIVING PARTY DATA							
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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>13778851</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13778851		
Property Type	Number						
Application Number:	13778851						
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This document serves as an Oath/Declaration (37 CFR 1.63).							
Total Attachments: 2 source=KATOSH-231AUS_DECASSIGN#page1.tif source=KATOSH-231AUS_DECASSIGN#page2.tif							

OP \$40.00 13778851

**COMBINED DECLARATION & ASSIGNMENT
UNDER 37 CFR 1.63(e)**

Attorney Reference No.: KATOSH.231AUS

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Title: MAGNETIC DISK, MAGNETIC DISK DEVICE, AND THERMALLY ASSISTED MAGNETIC RECORDING METHOD

Legal Names of All Inventors: Hiroshi ISOKAWA, Tomoko TAGUCHI

Please Direct All Correspondence to Customer Number 20995

Declaration of Inventors

As an individual executing this Declaration, I hereby declare that:

This Declaration is directed to the invention identified above that: (check one)

- Is attached, where "attached" means filed concurrently with.
- Was filed on _____ as U.S. Application No. _____.
- Was filed on _____ as International Application No. PCT/JP _____.

The above-identified application was made or authorized to be made by me.

I believe I am the original inventor or an original joint inventor of a claimed invention in the application.

I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine or imprisonment of not more than five (5) years, or both.

Assignment from Inventors

WHEREAS, the inventor(s) identified above (individual(s) hereinafter "ASSIGNOR") invented certain new and useful improvements, technology, inventions, developments, ideas or discoveries while under an obligation to assign related to the title identified above (collectively hereinafter referred to as the "Work") for which the application identified above has been or will be filed (hereinafter the "Application").

AND WHEREAS, Kabushiki Kaisha Toshiba with its principal place of business at 1-1, Shibaura 1-chome, Minato-ku, Tokyo 105-8001 Japan (hereinafter the "ASSIGNEE"), desires to acquire the entire right, title, and interest in and to the Application and the Work.

NOW, THEREFORE, for good and valuable consideration of which receipt is hereby acknowledged, ASSIGNOR hereby acknowledges that ASSIGNOR has sold, assigned, transferred and set over, and by these presents does hereby sell, assign, transfer and set over, unto said ASSIGNEE, its successors, legal representatives and assigns, the entire right, title, and interest throughout the world in the Application and the Work, including all patent properties filed or issued upon the Application and the Work; where "Patent Properties" include, but are not limited to:

all provisional applications relating thereto (including but not limited to U.S. Provisional Application No(s). _____ filed _____ (respectively if plural applications));

all nonprovisional applications claiming priority to aforementioned provisional(s) and/or the present Application, including, all divisions, continuations, continuations-in-part, and reissues, and all Letters Patent of the United States which may be granted thereon and all reissues and extensions thereof; and

all rights of priority under International Conventions and any related Letters Patent which may hereafter be granted or filed in any country or countries foreign to the United States, all extensions, renewals and reissues thereof.

ASSIGNOR hereby acknowledges the ASSIGNEE as the Applicant for all aforementioned patent properties, and authorizes and requests the Commissioner of Patents of the United States, and any Official of any country or countries foreign to the United States, whose duty it is to issue patents on applications as

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Legal Names of All Inventors: Hiroshi ISOKAWA, Tomoko TAGUCHI

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aforesaid, to issue all related Letters Patent to the ASSIGNEE, its successors, legal representatives and assigns, in accordance with the terms of this instrument.

AND ASSIGNOR DOES HEREBY sell, assign, transfer, and convey to ASSIGNEE, its successors, legal representatives, and assigns all claims for damages and all remedies arising out of any violation of the rights assigned hereby that may have accrued prior to the date of assignment to ASSIGNEE, or may accrue hereafter, including, but not limited to, the right to sue for, collect, and retain damages for past infringements of said Letters Patent before or after issuance.

AND ASSIGNOR DOES HEREBY covenant and agree that ASSIGNOR will communicate to said ASSIGNEE, its successors, legal representatives and assigns, any facts known to ASSIGNOR respecting the Work, and testify in any legal proceeding, assist in the preparation of any other Patent Property relating to the Application and the Work or any improvements made thereto, sign/execute all lawful papers, and generally do everything possible to aid the ASSIGNEE, its successors, legal representatives and assigns, to obtain and enforce proper patent protection for the Work in all countries.

1. Legal Name of Inventor: Hiroshi ISOKAWA

Signature of Inventor: Hiroshi Isokawa Date: Feb. 22, 2013

2. Legal Name of Inventor: Tomoko TAGUCHI

Signature of Inventor: Tomoko Taguchi Date: Feb. 22, 2013

3. Legal Name of Inventor: _____

Signature of Inventor: _____ Date: _____

4. Legal Name of Inventor: _____

Signature of Inventor: _____ Date: _____

5. Legal Name of Inventor: _____

Signature of Inventor: _____ Date: _____

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