

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>Yoshihiro SHIROISHI</td> <td>01/09/2013</td> </tr> <tr> <td>Hiroshi FUKUDA</td> <td>01/22/2013</td> </tr> <tr> <td>Harukazu MIYAMOTO</td> <td>01/11/2013</td> </tr> <tr> <td>Junko USHIYAMA</td> <td>01/11/2013</td> </tr> <tr> <td>Katsuro WATANABE</td> <td>01/10/2013</td> </tr> <tr> <td>Yoshiyuki HIRAYAMA</td> <td>01/10/2013</td> </tr> <tr> <td>Masukazu IGARASHI</td> <td>01/10/2013</td> </tr> </tbody> </table>		Name	Execution Date	Yoshihiro SHIROISHI	01/09/2013	Hiroshi FUKUDA	01/22/2013	Harukazu MIYAMOTO	01/11/2013	Junko USHIYAMA	01/11/2013	Katsuro WATANABE	01/10/2013	Yoshiyuki HIRAYAMA	01/10/2013	Masukazu IGARASHI	01/10/2013
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<table border="1"> <tr> <td>Name:</td> <td>Hitachi, Ltd.</td> </tr> <tr> <td>Street Address:</td> <td>6-6, Marunouchi 1-chome, Chiyoda-ku,</td> </tr> <tr> <td>City:</td> <td>Tokyo</td> </tr> <tr> <td>State/Country:</td> <td>JAPAN</td> </tr> </table>		Name:	Hitachi, Ltd.	Street Address:	6-6, Marunouchi 1-chome, Chiyoda-ku,	City:	Tokyo	State/Country:	JAPAN								
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CORRESPONDENCE DATA																	
Fax Number:	7033126666																
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>																	
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ATTORNEY DOCKET NUMBER:	1021.52916X00																
NAME OF SUBMITTER:	William I. Solomon																
Total Attachments: 1 source=52916X00ASN#page1.tif																	

OP \$40.00 13762752

ASSIGNMENT
(譲 渡 証)

As a below named inventor, I hereby declare that:

IN CONSIDERATION of the sum of One Dollar (\$1.00) or the equivalent thereof, and other good and valuable consideration paid to me citizen of Japan by Hitachi, Ltd., a corporation organized under the laws of Japan, located at 6-6, Marunouchi 1-chome, Chiyoda-ku, Tokyo, Japan receipt of which is hereby acknowledged I do hereby sell and assign to said Hitachi, Ltd., its successors and assigns, all my right, title and interest, in and for the United States of America, in and to

MAGNETIC HEAD, MAGNETIC RECORDING METHOD AND APPARATUS FOR CONTROLLING MAGNETIC HEAD WITH SPIN TORQUE OSCILLATOR IN A DISK DRIVE

invented by me (if only one is named below) or us (if plural inventors are named below) and described in the application for United States Letters Patent therefor, executed on even date herewith, and all United States Letters Patent which may be granted therefor, and all divisions, continuations and extensions thereof, the said interest being the entire ownership of the said Letters Patent when granted, to be held and enjoyed by said Hitachi, Ltd., its successors, assigns or other legal representatives, to the full end of term for which said Letters Patent may be granted as fully and entirely as the same would have been held and enjoyed by me or us if this assignment and sale had not been made;

And I hereby agree to sign and execute any further documents or instruments which may be necessary, lawful, and proper in the prosecution of the above-named application or in the preparation and prosecution of any continuing, continuation-in-part, substitute, divisional, renewal, reviewed or reissue applications or in any amendment, extension, or interference proceedings, or otherwise to secure the title thereto in said assignee;

And I do hereby authorize and request the Commissioner of Patents to issue said Letters Patent to said Hitachi, Ltd.,

Signed on the date(s) indicated aside our signatures:

INVENTOR(S) (発明者フルネームサイン)	Date Signed (署名日)
1) <u>Yoshihiro SHIROISHI</u> Yoshihiro SHIROISHI	<u>01/09/2013</u>
2) <u>Hiroshi FUKUDA</u> Hiroshi FUKUDA	<u>01/22/2013</u>
3) <u>Harukazu MIYAMOTO</u> Harukazu MIYAMOTO	<u>1/11/2013</u>
4) <u>Junko USHIYAMA</u> Junko USHIYAMA	<u>01/11/2013</u>
5) <u>Katsuro WATANABE</u> Katsuro WATANABE	<u>01/10/2013</u>
6) <u>Yoshiyuki HIRAYAMA</u> <small>K.W. 01/10/2013</small> Yoshiyuki HIRAYAMA	<u>01/10/2013</u> <small>K.W. 01.10/2013</small> 01/10/2013
7) <u>Masukazu IGARASHI</u> Masukazu IGARASHI	<u>01/10/2013</u>
Masukazu IGARASHI	01/10/2013 <small>M.I. 01/10/2013</small>

PATENT