

PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT																		
NATURE OF CONVEYANCE:	ASSIGNMENT																		
CONVEYING PARTY DATA																			
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<table border="1"> <tr> <td>Name:</td> <td>Hitachi High-Technologies Corporation</td> </tr> <tr> <td>Street Address:</td> <td>24-14, Nishi Shimbashi 1-chome</td> </tr> <tr> <td>City:</td> <td>Minato-ku, Tokyo</td> </tr> <tr> <td>State/Country:</td> <td>JAPAN</td> </tr> </table>		Name:	Hitachi High-Technologies Corporation	Street Address:	24-14, Nishi Shimbashi 1-chome	City:	Minato-ku, Tokyo	State/Country:	JAPAN										
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CORRESPONDENCE DATA																			
<p>Fax Number: 2026288844 Phone: 2026242500 Email: Galemousavi@crowell.com <i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US Mail.</i></p> <p>Correspondent Name: Crowell & Moring LLP Address Line 1: P.O. Box 14300 Address Line 4: Washington, DISTRICT OF COLUMBIA 20044-4300</p>																			
ATTORNEY DOCKET NUMBER:	108004.64590US																		
NAME OF SUBMITTER:	Michael H. Jacobs																		
Total Attachments: 1 source=64590US_Assignment#page1.tif																			

OP \$40.00 13482065

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 by Hitachi High-Technologies Corporation, a corporation organized under the laws of Japan, located at 24-14, Nishi Shimbashi 1-chome, Minato-ku, Tokyo, Japan, receipt of which is hereby acknowledged I do hereby sell and assign to said Hitachi High-Technologies Corporation, its successors and assigns, all my right, title and interest, in and for the United States of America, in and to

THERMALLY ASSISTED MAGNETIC RECORDING HEAD INSPECTION METHOD AND APPARATUS

* U.S. Application Number 13/482065 filed on May 29, 2012

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 High-Technologies Corporation, 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 High-Technologies Corporation,

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>Kaifeng Zhang</u> Kaifeng ZHANG	<u>5/30/12</u>
2) <u>Takenori Hirose</u> Takenori HIROSE	<u>5/30/12</u>
3) <u>Masahiro Watanabe</u> Masahiro WATANABE	<u>5/30/12</u>
4) <u>Shinji Homma</u> Shinji HOMMA	<u>6/8/12</u>
5) <u>Tsuneo Nakagomi</u> Tsuneo NAKAGOMI	<u>6/12/12</u>
6) <u>Teruaki Tokutomi</u> Teruaki TOKUTOMI	<u>6/8/12</u>
7) <u>Toshihiko Nakata</u> Toshihiko NAKATA	<u>5/30/12</u>
8) <u>Takehiro Tachizaki</u> Takehiro TACHIZAKI	<u>6/4/12</u>
9) _____	_____
10) _____	_____

PATENT

RECORDED: 07/31/2012

REEL: 028686 FRAME: 0680