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PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
Yoshihiro SHIROISHI	02/07/2012
Hiroshi FUKUDA	02/09/2012
Ikuya TAGAWA	02/06/2012
Tomohiro OKADA	02/06/2012

RECEIVING PARTY DATA

Name:	Hitachi, Ltd.	
Street Address:	6-6, Marunouchi 1-chome, Chiyoda-ku,	
City:	Tokyo	
State/Country:	JAPAN	

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	13401884

CORRESPONDENCE DATA

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Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via

US Mail.

Correspondent Name: ANTONELLI, TERRY, STOUT & KRAUS, LLP Address Line 1: 1300 NORTH SEVENTEENTH STREET

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ATTORNEY DOCKET NUMBER:	520.52275X00
NAME OF SUBMITTER:	Melvin Kraus

Total Attachments: 1

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PATENT REEL: 027740 FRAME: 0200 IOP \$40,00 13401884

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 STORAGE APPARATUS, HEAD DRIVE CONTROLLER, AND HEAD DRIVE CONTROL METHOD

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)

1)	Mos liling Shroil & oshihiro SHIROISHI	2/1/2012
	Odvishi Tukuda Hiroshi FUKUDA	2/9/2012
	Jaya Jasawa Ikuya TAGAWA	2/6/2012
4)	Tomohiro Okada Tomohiro OKADA	2/6/2012

PATENT REEL: 027740 FRAME: 0201

Date Signed

(署名日)

RECORDED: 02/22/2012