

PATENT ASSIGNMENT

Electronic Version v1.1

Stylesheet Version v1.1

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>Kazue Kudo</td><td>06/21/2007</td></tr><tr><td>Gen Oikawa</td><td>06/21/2007</td></tr><tr><td>Yohji Maruyama</td><td>06/21/2007</td></tr><tr><td>Noriyuki Saiki</td><td>06/21/2007</td></tr><tr><td>Hiromi Shiina</td><td>06/21/2007</td></tr></tbody></table>	Name	Execution Date	Kazue Kudo	06/21/2007	Gen Oikawa	06/21/2007	Yohji Maruyama	06/21/2007	Noriyuki Saiki	06/21/2007	Hiromi Shiina	06/21/2007	
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RECEIVING PARTY DATA													
Name:	Hitachi Global Storage Technologies Netherlands B.V.												
Street Address:	Locatellikade 1, Parnassustoren												
City:	1076 AZ Amsterdam												
State/Country:	NETHERLANDS												
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>11820554</td></tr></tbody></table>	Property Type	Number	Application Number:	11820554									
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Application Number:	11820554												
CORRESPONDENCE DATA													
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ATTORNEY DOCKET NUMBER:	16869Q-211000US												
NAME OF SUBMITTER:	Kent J. Tobin												
Total Attachments: 2													

CH \$40.00 11820554

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PATENT
REEL: 019948 FRAME: 0275

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ASSIGNMENT OF PATENT APPLICATION

JOINT

WHEREAS, Kazue Kudo of 281-3 Nakazato, Odawara-shi, Kanagawa, 250-0872 Japan; Gen Oikawa of 2-5-21 Koyawata, Odawara-shi, Kanagawa, 256-0815 Japan; Yohji Maruyama of 298-32 Shinko, Iruma, Saitama, 358-0055 Japan; Noriyuki Saiki of 1-7-1-6 Minamikamonomiya, Odawara, Kanagawa, 250-0875 Japan; and Hiromi Shiina of 3-14-1 Jyuoutyoutomobe, Hitachi-shi, Ibaraki, 319-1304 Japan, hereinafter referred to as "Assignors," are the inventors of the invention described and set forth in the below-identified application for United States Letters Patent:

Title of Invention: **MAGNETIC SHIELD, MANUFACTURING METHOD
THEREOF AND THIN FILM MAGNETIC HEAD
EMPLOYING THE SAME**

Date(s) of execution of Declaration:

Filing Date: June 19, 2007

Application No.: 11/820,554 ; and

WHEREAS, Hitachi Global Storage Technologies Netherlands B.V., a corporation of Japan, located at Locatellikade 1, Parnassustoren, 1076 AZ Amsterdam, The Netherlands, hereinafter referred to as "ASSIGNEE," is desirous of acquiring an interest in the invention and application and in any U.S. Letters Patent and Registrations which may be granted on the same;

For good and valuable consideration, receipt of which is hereby acknowledged by Assignors, Assignors have assigned, and by these presents do assign to Assignee all right, title and interest in and to the invention and application and to all foreign counterparts (including patent, utility model and industrial designs), and in and to any Letters Patent and Registrations which may hereafter be granted on the same in the United States and all countries throughout the world, and to claim the priority from the application as provided by the Paris Convention. The right, title and interest is to be held and enjoyed by Assignee and Assignee's successors and assigns as fully and exclusively as it would have been held and enjoyed by Assignors had this Assignment not been made, for the full term of any Letters Patent and Registrations which may be granted thereon, or of any division, renewal, continuation in whole or in part, substitution, conversion, reissue, prolongation or extension thereof.

Assignors further agree that they will, without charge to Assignee, but at Assignee's expense, (a) cooperate with Assignee in the prosecution of U.S. Patent applications and foreign counterparts on the invention and any improvements, (b) execute, verify, acknowledge and deliver all such further papers, including patent applications and instruments of transfer, and (c) perform such other acts as Assignee lawfully may request to obtain or maintain Letters Patent and Registrations for the invention and improvements in any and all countries, and to vest title thereto in Assignee, or Assignee's successors and assigns.

Assignors hereby authorize and request Townsend and Townsend and Crew LLP, Two Embarcadero Center, Eighth Floor, San Francisco, CA 94111-3834, to insert herein above the application number and filing date of said application when known.

Assignment
Attorney Docket No.: 16869Q-211000US
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IN TESTIMONY WHEREOF, Assignors have signed their names on the dates indicated.

Dated: ~~6/21/07~~^{k.k} 6/21/07 Kazue Kudo
Kazue Kudo

Dated: 6/21/07 Gen Oikawa
Gen Oikawa

Dated: 6/21/07 Yohji Maruyama
Yohji Maruyama

Dated: 6/27/07 Noriyuki Saiki
Noriyuki Saiki

Dated: 6/21/07 Hiromi Shiina
Hiromi Shiina

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