

## 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>Akihiko Aoyagi</td><td>04/16/2008</td></tr><tr><td>Teruhiro Nakamiya</td><td>04/16/2008</td></tr><tr><td>Takashi Kouno</td><td>04/16/2008</td></tr><tr><td>Hitoshi Shindo</td><td>04/18/2008</td></tr><tr><td>Tetsuya Nakatsuka</td><td>04/17/2008</td></tr></tbody></table>	Name	Execution Date	Akihiko Aoyagi	04/16/2008	Teruhiro Nakamiya	04/16/2008	Takashi Kouno	04/16/2008	Hitoshi Shindo	04/18/2008	Tetsuya Nakatsuka	04/17/2008	
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<table border="1"><tr><td>Name:</td><td>Hitachi Global Storage Technologies Netherlands B.V.</td></tr><tr><td>Street Address:</td><td>Locatellikade 1, Parnassustoren</td></tr><tr><td>City:</td><td>1076 AZ Amsterdam</td></tr><tr><td>State/Country:</td><td>NETHERLANDS</td></tr></table>	Name:	Hitachi Global Storage Technologies Netherlands B.V.	Street Address:	Locatellikade 1, Parnassustoren	City:	1076 AZ Amsterdam	State/Country:	NETHERLANDS					
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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>12148697</td></tr></tbody></table>	Property Type	Number	Application Number:	12148697									
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CORRESPONDENCE DATA													
Fax Number: (415)576-0300 <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>													
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Address Line 4: San Francisco, CALIFORNIA 94111-3834													
ATTORNEY DOCKET NUMBER:	16869Q-226300US												
NAME OF SUBMITTER:	Kent J. Tobin												
Total Attachments: 4 source=16869Q-226300US_ASSGNMT#page1.tif													

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## ASSIGNMENT OF PATENT APPLICATION

JOINT

WHEREAS, Akihiko Aoyagi of 2-16-6 Shirahata, Fujisawa-shi, Kanagawa, 251-0051 Japan; Teruhiro Nakamiya of 76-6-203, Honjyukuchō, Asahiku, Yokohama, Kanagawa, 241-0023 Japan; Takashi Kouno of 3249-15 Shimoinayoshi, Kasumigaura-shi, Ibaraki, 315-0052 Japan; Hitoshi Shindo of 597 Crystalberry Terrance, San Jose, CA 95129; and Tetsuya Nakatsuka of 3-21-6-A201, Mirokuji-cho, Fujisawa-shi, Kanagawa, 251-0016 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 DISK DRIVE AND SOLDERING METHOD  
OF FEED-THROUGH**

**Date(s) of execution of Declaration:**

**Filing Date:**

Application No.: \_\_\_\_\_; 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-226300US  
Page 2

IN TESTIMONY WHEREOF, Assignors have signed their names on the dates indicated.

Dated: 04/16/08

Akihiko Aoyagi  
Akihiko Aoyagi

Dated: 04/16/08

Teruhiro Nakamiya  
Teruhiro Nakamiya

Dated: 04/16/08

Takashi Kouno  
Takashi Kouno

Dated: \_\_\_\_\_

\_\_\_\_\_  
Hitoshi Shindo

Dated: \_\_\_\_\_

\_\_\_\_\_  
Tetsuya Nakatsuka

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Takashi Kouno

Dated: 4/18/08

  
Hitoshi Shindo

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\_\_\_\_\_  
*Tetsuya Nakatsuka*  
Tetsuya Nakatsuka

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