

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>Manabu Saikawa</td><td>04/12/2007</td></tr><tr><td>Atsushi Takeichi</td><td>04/12/2007</td></tr><tr><td>Kazuhiko Washizu</td><td>04/12/2007</td></tr></tbody></table>	Name	Execution Date	Manabu Saikawa	04/12/2007	Atsushi Takeichi	04/12/2007	Kazuhiko Washizu	04/12/2007	
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Manabu Saikawa	04/12/2007								
Atsushi Takeichi	04/12/2007								
Kazuhiko Washizu	04/12/2007								
RECEIVING PARTY DATA									
Name:	Hitachi Global Storage Technologies Netherlands B.V.								
Street Address:	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>11788510</td></tr></tbody></table>	Property Type	Number	Application Number:	11788510					
Property Type	Number								
Application Number:	11788510								
CORRESPONDENCE DATA									
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NAME OF SUBMITTER:	Kent J. Tobin								
Total Attachments: 2 source=Assignment#page1.tif source=Assignment#page2.tif									

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PATENT

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REEL: 019450 FRAME: 0814

ASSIGNMENT OF PATENT APPLICATION

JOINT

WHEREAS, Manabu Saikawa of 43-201 Fujisawa, Fujisawa-shi,, Kanagawa, 251-0052 Japan; Atsushi Takeichi of 5220-1-306 Ohba, Fujisawa-shi,, Kanagawa, 251-0861 Japan; and Kazuhiko Washizu of 5-5-4-801 Ishikawa, Fujisawa-shi,, Kanagawa, 252-0815 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: **METHOD AND APPARATUS FOR WRITING PATTERN
ON DISK**

Date(s) of execution of Declaration:

Filing Date: April 19, 2007

Application No.: 11/788,510 ; 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.

I further declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

Signature of Inventor 1 <u>Manabu Saikawa</u> Manabu Saikawa Date <u>Apr 12, 2007</u>	Signature of Inventor 2 <u>Atsushi Takeichi</u> Atsushi Takeichi Date <u>Apr 12, 2007</u>	Signature of Inventor 3 <u>Kazuhiko Washizu</u> Kazuhiko Washizu Date <u>Apr. 12, 2007</u>
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