

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>Masashi Hattori</td><td>09/21/2011</td></tr><tr><td>Koichi Nishioka</td><td>09/21/2011</td></tr><tr><td>Koji Sakamoto</td><td>09/22/2011</td></tr><tr><td>Tsutomu Yasuda</td><td>09/22/2011</td></tr><tr><td>Hideki Mashima</td><td>09/21/2011</td></tr></tbody></table>	Name	Execution Date	Masashi Hattori	09/21/2011	Koichi Nishioka	09/21/2011	Koji Sakamoto	09/22/2011	Tsutomu Yasuda	09/22/2011	Hideki Mashima	09/21/2011	
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RECEIVING PARTY DATA													
Name:	Hitachi Global Storage Technologies Netherlands B.V.												
Street Address:	Locatellikade 1												
Internal Address:	Pamassustoren												
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>13245708</td></tr></tbody></table>	Property Type	Number	Application Number:	13245708									
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Application Number:	13245708												
CORRESPONDENCE DATA													
Fax Number:	(408)971-4660												
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Correspondent Name:	Zilka-Kotab, PC												
Address Line 1:	P.O. Box 721120												
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ATTORNEY DOCKET NUMBER:	HIT1P624/HJP920110009US1												
NAME OF SUBMITTER:	Dominic M. Kotab												
Total Attachments: 2 source=HIT1P624_HJP920110009US1_signedassign#page1.tif source=HIT1P624_HJP920110009US1_signedassign#page2.tif													

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PATENT
REEL: 027124 FRAME: 0510

ASSIGNMENT OF PATENT APPLICATION

Whereas I/we the undersigned inventor(s) have invented certain new and useful improvements as set forth in the patent application entitled:

MAGNETIC HEAD WITH WIDE SENSOR BACK EDGE, LOW RESISTANCE, AND HIGH SIGNAL-TO-NOISE RATIO AND METHODS OF PRODUCTION THEREOF

(Atty. Docket No.: HIT1P624/HJP920110009US1) for which I (we) have executed an application for a United States Letters Patent.

For good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, I/we the undersigned inventor(s) hereby:

- 1) Sell(s), assign(s) and transfer(s) to Hitachi Global Storage Technologies Netherlands B.V., a corporation having a place of business at Locatellikade 1, Parnassustoren, 1076 AZ Amsterdam, The Netherlands, (hereinafter referred to as "ASSIGNEE"), the entire right title and interest in any and all improvements and inventions disclosed in, application(s) based upon, and Patent(s) (including foreign patents) granted upon the information which is disclosed in the above referenced application.
- 2) Authorize and request the Commissioner of Patents to issue any and all Letters Patents resulting from said application or any division(s), continuation(s), substitutes(s) or reissue(s) thereof to the ASSIGNEE.
- 3) Agree to execute all papers and documents and, entirely at the ASSIGNEE's expense, perform any acts which are reasonably necessary in connection with the prosecution of said application, as well as any derivative and applications thereof, foreign applications based thereon, and/or the enforcement of patents resulting from such applications.
- 4) Agree that the terms, covenants and conditions of this assignment shall inure to the benefit of the Assignee, its successors, assigns and other legal representative, and shall be binding upon the inventor(s), as well as the inventor's heirs, legal representatives and assigns.
- 5) Warrant and represent that I/we have not entered, and will not enter into any assignment, contract, or understanding that conflicts with this assignment.

Signed on the date(s) indicated beside my (our) signature(s).

- 1) Signature: Masashi Hattori Date: 2011/9/21
Typed Name: Masashi Hattori
- 2) Signature: Koichi Nishioka Date: 2011/9/21
Typed Name: Koichi Nishioka

- 3) Signature: Koji Sakamoto Date: 2011. 9. 22
Typed Name: Koji Sakamoto
- 4) Signature: Tsutomu Yasuda Date: 2011/9/22
Typed Name: Tsutomu Yasuda
- 5) Signature: Hideki Mashima Date: 2011/9/21
Typed Name: Hideki Mashima