

## 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>Anton R. de la Fuente</td> <td>08/31/2009</td> </tr> <tr> <td>Masafumi Mochizuki</td> <td>08/31/2009</td> </tr> <tr> <td>James T. Olson</td> <td>09/09/2009</td> </tr> <tr> <td>Roger W. Wood</td> <td>08/28/2009</td> </tr> </tbody> </table>		Name	Execution Date	Anton R. de la Fuente	08/31/2009	Masafumi Mochizuki	08/31/2009	James T. Olson	09/09/2009	Roger W. Wood	08/28/2009
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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>13612704</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13612704						
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CORRESPONDENCE DATA											
Fax Number:	4089714660										
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>											
Phone:	408-971-2573										
Email:	april@zilkakotab.com										
Correspondent Name:	Zilka-Kotab, PC										
Address Line 1:	P.O. Box 721120										
Address Line 4:	San Jose, CALIFORNIA 95172										
ATTORNEY DOCKET NUMBER:	HIT1P435A/HSJ920090065US2										
NAME OF SUBMITTER:	Dominic M. Kotab										
<p>Total Attachments: 4</p> <p>source=HSJ920090065US1 Executed Assignment#page1.tif</p> <p>source=HSJ920090065US1 Executed Assignment#page2.tif</p> <p>source=HSJ920090065US1 Executed Assignment#page3.tif</p> <p>source=HSJ920090065US1 Executed Assignment#page4.tif</p>											

CH \$40.00 13612704

## 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:


### ASYMMETRIC WRITER FOR SHINGLED MAGNETIC RECORDING

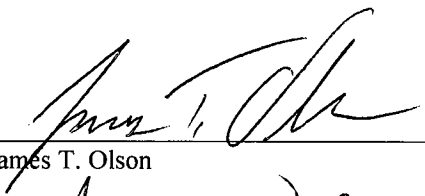
(Atty. Docket No.: HIT1P435/HSJ920090065US1) for which I (we) have executed an application for a United States Letters Patent.

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

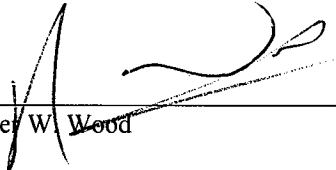
- 1) Sell(s), assign(s) and transfer(s) to **Hitachi Global Storage Technologies Netherlands B.V.**, a corporation having a place of business at Locatellikade 1, Parnassustoren, 1076 AZ Amsterdam, The Netherlands, (hereinafter referred to as "ASSIGNEE"), the entire right title and interest in any and 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:  Date: 8-31-2009  
Typed Name: Anton R. de la Fuente
- 2) Signature: \_\_\_\_\_ Date: \_\_\_\_\_  
Typed Name: Masafumi Mochizuki

3) Signature:   
Typed Name: James T. Olson

Date: 9-9-09

4) Signature:   
Typed Name: Roger W. Wood

Date: Aug 28<sup>th</sup> 2009

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1) Signature: \_\_\_\_\_ Date: \_\_\_\_\_  
Typed Name: Anton R. de la Fuente

2) Signature: Masafumi Mochizuki Date: 8/31/2009  
Typed Name: Masafumi Mochizuki

3) **Signature:** \_\_\_\_\_ **Date:** \_\_\_\_\_  
**Typed Name:** James T. Olson

4) **Signature:** \_\_\_\_\_ **Date:** \_\_\_\_\_  
**Typed Name:** Roger W. Wood