

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>Zvonimir Z. Bandic</td> <td>03/16/2012</td> </tr> <tr> <td>Cyril Guyot</td> <td>03/07/2012</td> </tr> <tr> <td>Tomohiro Harayama</td> <td>03/05/2012</td> </tr> <tr> <td>Robert Eugeniu Mateescu</td> <td>03/05/2012</td> </tr> <tr> <td>Shad Henry Thorstenson</td> <td>03/08/2012</td> </tr> <tr> <td>Timothy Kohchih Tsai</td> <td>03/05/2012</td> </tr> </tbody> </table>		Name	Execution Date	Zvonimir Z. Bandic	03/16/2012	Cyril Guyot	03/07/2012	Tomohiro Harayama	03/05/2012	Robert Eugeniu Mateescu	03/05/2012	Shad Henry Thorstenson	03/08/2012	Timothy Kohchih Tsai	03/05/2012
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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>13423177</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13423177										
Property Type	Number														
Application Number:	13423177														
CORRESPONDENCE DATA															
Fax Number:	(408)717-9155														
Email:	tom.berthold@comcast.net														
<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US Mail.</i>															
Correspondent Name:	HITACHI GLOBAL STORAGE TECHNOLOGIES														
Address Line 1:	5600 COTTLE ROAD														
Address Line 4:	San Jose, CALIFORNIA 95193														
ATTORNEY DOCKET NUMBER:	HSJ920110116US1														
NAME OF SUBMITTER:	Thomas R. Berthold														
Total Attachments: 3 source=HSJ920110116US1_AssignmentSigned#page1.tif source=HSJ920110116US1_AssignmentSigned#page2.tif source=HSJ920110116US1_AssignmentSigned#page3.tif															

CH \$40.00 13423177

ASSIGNMENT FOR PATENT APPLICATION

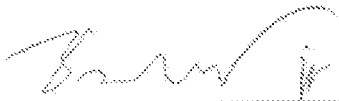
Whereas, I/we the undersigned inventor(s) have invented certain improvements as set forth in the patent application entitled:


SHINGLED MAGNETIC RECORDING DISK DRIVE WITH MINIMIZATION OF THE EFFECT OF FAR TRACK ERASURE ON ADJACENT DATA BANDS

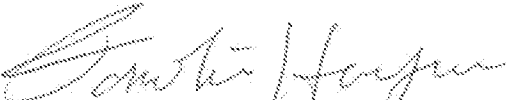
Whereas, **Hitachi Global Storage Technologies Netherlands B.V.**, having a place of business at Locatellikade 1, Parnassustoren, 1076 AZ Amsterdam, The Netherlands (hereinafter referred to as "HITACHI"), desires to acquire the entire right, title and interest in the said application and invention, and to any United States and foreign patents to be obtained therefore;

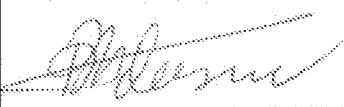
Now therefore, for a valuable consideration, receipt whereof is hereby acknowledged, I/we, the above named, hereby sell, assign, and transfer to HITACHI, its successors and assigns, the entire right, title and interest in the said application and invention therein disclosed for the United States and foreign countries, and all rights of priority resulting from the filing of said United States application, and we request the Commissioner of Patents to issue any Letters Patent granted upon the inventions set forth in said application to HITACHI, its successors and assigns; and we hereby agree that HITACHI may apply for foreign Letters Patent on said invention and we will execute all papers necessary in connection with the United States and foreign applications when called upon to do so by HITACHI.

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

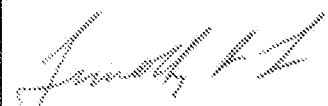
1.	Full Name	Zvonimir Z. Bandic
	Inventor's Signature	 date 03/16/2012

2.	Full Name	Cyril Guyot
	Inventor's Signature	 date 03/07/2012


3.	Full Name	Tomohiro Harayama
	Inventor's Signature	 date 3/5/12

4.	Full Name	Robert Eugeniu Mateescu
Inventor's Signature		date 03/05/12

5.	Full Name	Shad Henry Thorstenson
Inventor's Signature		date

6.	Full Name	Timothy Kohchih Tsai
Inventor's Signature		date 3-5-12

4.	Full Name	Robert Eugeniu Mateescu
	Inventor's Signature	date

5.	Full Name	Shad Henry Thorstenson
	Inventor's Signature	 date 3/8/2012

6.	Full Name	Timothy Kohchih Tsai
	Inventor's Signature	date