

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>Yoshiyuki Hirayama</td> <td>09/10/2013</td> </tr> <tr> <td>Taku Iwase</td> <td>08/29/2013</td> </tr> </tbody> </table>		Name	Execution Date	Yoshiyuki Hirayama	09/10/2013	Taku Iwase	08/29/2013
Name	Execution Date						
Yoshiyuki Hirayama	09/10/2013						
Taku Iwase	08/29/2013						
RECEIVING PARTY DATA							
Name:	HGST NETHERLANDS B.V.						
Street Address:	Herikerbergweg 238, Luna Arena						
City:	1101 CM 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>14025615</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	14025615		
Property Type	Number						
Application Number:	14025615						
CORRESPONDENCE DATA							
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NAME OF SUBMITTER:	Thomas R. Berthold						
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Date:	09/12/2013						
Total Attachments: 1 source=HJP920130014US1_AssignmentSigned#page1.tif							

CH \$40.00 14025615

ASSIGNMENT FOR PATENT APPLICATION

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

BIT PATTERNED MEDIA MAGNETIC RECORDING DISK WITH TWO SIZES OF DOTS AND IMPRINT
TEMPLATE MADE WITH DIRECTED SELF-ASSEMBLY (DSA) OF BLOCK COPOLYMERS

Whereas, **HGST Netherlands B.V.**, having a place of business at Herikerbergweg 238, Luna ArenA, 1101 CM Amsterdam, The Netherlands (hereinafter referred to as "HGST"), 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 HGST, 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 HGST, its successors and assigns; and we hereby agree that HGST 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 HGST.

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

1.	Full Name	Yoshiyuki Hirayama
	Inventor's Signature	<i>Yoshiyuki Hirayama</i> date Sep. 10, 2013
2.	Full Name	Taku Iwase
	Inventor's Signature	<i>Taku Iwase</i> date Aug. 29, 2013
3.	Full Name	
	Inventor's Signature	date
4.	Full Name	
	Inventor's Signature	date