

PATENT ASSIGNMENT COVER SHEET

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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>JOHNATHAN DARREL COKER</td> <td>12/06/2013</td> </tr> <tr> <td>DAVID ROBISON HALL</td> <td>12/03/2013</td> </tr> </tbody> </table>		Name	Execution Date	JOHNATHAN DARREL COKER	12/06/2013	DAVID ROBISON HALL	12/03/2013
Name	Execution Date						
JOHNATHAN DARREL COKER	12/06/2013						
DAVID ROBISON HALL	12/03/2013						
RECEIVING PARTY DATA							
Name:	HGST NETHERLANDS B.V.						
Street Address:	HERIKERBERGWEG 238, LUNA ARENA						
City:	AMSTERDAM						
State/Country:	NETHERLANDS						
Postal Code:	1101 CM						
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>14100566</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	14100566		
Property Type	Number						
Application Number:	14100566						
CORRESPONDENCE DATA							
Fax Number:	(952)697-2631						
Phone:	952.697.2633						
Email:	mmiller@billionarmitage.com						
<i>Correspondence will be sent via US Mail when the email attempt is unsuccessful.</i>							
Correspondent Name:	RICHARD E. BILLION						
Address Line 1:	7401 METRO BLVD.						
Address Line 2:	SUITE 425						
Address Line 4:	MINNEAPOLIS, MINNESOTA 55439						
ATTORNEY DOCKET NUMBER:	H20131034US1/1154.011US1						
NAME OF SUBMITTER:	RICHARD E. BILLION						
Signature:	/Richard E. Billion 32836/						
Date:	12/09/2013						
Total Attachments: 1 source=Assignment#page1.tif							

CH \$40.00 14100566

ASSIGNMENT FOR PATENT APPLICATION

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

ACTIVELY WRITTEN GUARD BANDS IN A COLD STORAGE OR MIXED MODE DRIVE


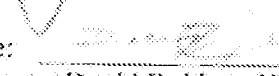
will be filed without this executed PATENT ASSIGNMENT. THE UNDERSIGNED hereby authorizes, and requests, ASSIGNEE'S legal representatives, of Billion & Armitage, who are associated with customer number 117460, to insert here in parenthesis (U.S. Serial No. 14/100,566, filed 9 December 2013) this application's U.S. Serial Number and filing date, when known;

was filed on _____ and was given U.S. Serial No. _____; or

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) Signature:  Date: 12/6/13
 Typed Name: Jonathan Darrel COKER
- 2) Signature:  Date: 12/11/13
 Typed Name: David Robison HALL