

## 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>Quang Le</td> <td>12/10/2012</td> </tr> <tr> <td>Simon H. Liao</td> <td>12/17/2012</td> </tr> <tr> <td>Guangli Liu</td> <td>12/10/2012</td> </tr> <tr> <td>Kochan Ju</td> <td>12/10/2012</td> </tr> <tr> <td>Youfeng Zheng</td> <td>12/10/2012</td> </tr> </tbody> </table>		Name	Execution Date	Quang Le	12/10/2012	Simon H. Liao	12/17/2012	Guangli Liu	12/10/2012	Kochan Ju	12/10/2012	Youfeng Zheng	12/10/2012
Name	Execution Date												
Quang Le	12/10/2012												
Simon H. Liao	12/17/2012												
Guangli Liu	12/10/2012												
Kochan Ju	12/10/2012												
Youfeng Zheng	12/10/2012												
RECEIVING PARTY DATA													
Name:	HGST Netherlands B.V.												
Street Address:	Herikerbergweg 238												
Internal Address:	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>13720942</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13720942								
Property Type	Number												
Application Number:	13720942												
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:	HIT1P698/HSJ920120072US1												
NAME OF SUBMITTER:	Ronald B. Feece												
Total Attachments: 2 source=HSJ920120072US1 Assignment#page1.tif source=HSJ920120072US1 Assignment#page2.tif													

CH \$40.00 13720942

## 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:

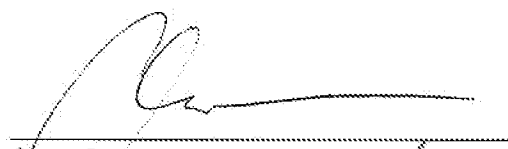
### MAGNETIC SENSOR WITH EXTENDED PINNED LAYER AND PARTIAL WRAP AROUND SHIELD

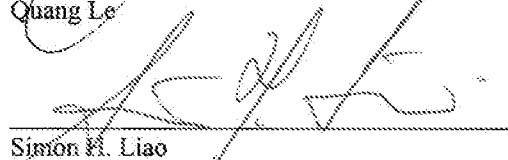
(Atty. Docket No.: HIT1P698/HSJ9-2012-0072US1) for which I (we) have executed an application for a United States Letters Patent.

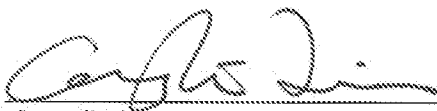
For good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, I/we the undersigned inventor(s) hereby:


- 1) Sell(s), assign(s) and transfer(s) to HGST Netherlands B.V., a corporation having a place of business at Herikerbergweg 238, Luna ArenA, 1101 CM 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.

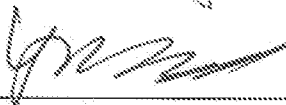
Signed on the date(s) indicated beside my (our) signature(s).

1) Signature:  Date: 12/10/12  
Typed Name: Quang Le

2) Signature:  Date: 12-17-2012  
Typed Name: Simon H. Liao

3) Signature:  Date: 12/10/2012  
Typed Name: Guangli Liu

4) Signature:  Date: 12/10/2012  
Typed Name: Kochan Ju

5) Signature:  Date: 12/10/2012  
Typed Name: Youfeng Zheng