

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>Olav Hellwig</td> <td>03/14/2013</td> </tr> <tr> <td>Kurt A. Rubin</td> <td>03/14/2013</td> </tr> <tr> <td>Qing Zhu</td> <td>03/14/2013</td> </tr> </tbody> </table>		Name	Execution Date	Olav Hellwig	03/14/2013	Kurt A. Rubin	03/14/2013	Qing Zhu	03/14/2013
Name	Execution Date								
Olav Hellwig	03/14/2013								
Kurt A. Rubin	03/14/2013								
Qing Zhu	03/14/2013								
RECEIVING PARTY DATA									
Name:	HGST Netherlands B.V.								
Street Address:	Herikerbergweg 238, Luna ArenA, 1101 CM								
City:	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>13832704</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13832704				
Property Type	Number								
Application Number:	13832704								
CORRESPONDENCE DATA									
Fax Number:	8015311929								
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>									
Phone:	801-994-4646								
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ATTORNEY DOCKET NUMBER:	HSJ920120126US1								
NAME OF SUBMITTER:	Bryan J. Massey								
Total Attachments: 2 source=HSJ920120126US1_Assignment#page1.tif source=HSJ920120126US1_Assignment#page2.tif									

CH \$40.00 13832704

ASSIGNMENT

I, identified below as "Inventor", have made certain new and useful improvements in an invention ("Invention"), as set forth in an application for United States Letters Patent executed or about to be executed by me or otherwise in which I am an inventor and bearing the following title and Attorney Docket No. and for which the Attorney of record is hereby authorized to insert the serial number and filing date when ascribed:

TITLE: ANNEALING TREATMENT FOR ION-IMPLANTED PATTERNED MEDIA


Atty. Docket No. HSJ920120126US1

Customer No. 103962

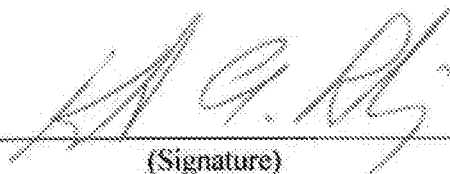
For good and valuable consideration, I do hereby sell, assign, and transfer to HGST Netherlands B.V. ("Assignee"), located and doing business at Herikerbergweg 238, Luna Arena, 1101 CM Amsterdam, Netherlands, and to its legal representatives, successors, and assigns, my entire right, title, and interest in and to the Invention and to all United States and foreign patent applications any of whose claims cover all or part of the Invention, to any prior or provisional application, including any application from which priority is claimed, together with all patents resulting from such applications including any continuations, divisions, reissues, re-examinations and extensions thereof and any applications claiming priority therefrom. Assignee shall hold such right, title, and interest as fully and completely as they would have been held by me had this assignment and sale not been made.

I agree, upon Assignee's request, to execute or assent to such United States and foreign patent applications and to execute all separate assignments and other legal documents that Assignee may find necessary or desirable in its exercise of the right, title, and interest assigned above. I also agree to communicate to Assignee any facts relating to the Invention or to any of the patent applications or patents contemplated above that may be useful to Assignee and to testify as to such facts in any interferences or in litigation, if requested to do so. I shall do all these things without additional compensation but at no expense to me.

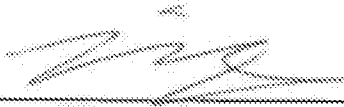
I hereby request the Commissioner of Patents to issue to Assignee, as the owner of my entire right, title, and interest therein, any Letters Patent of the United States that may be issued for the Invention.

Inventor:  Date: 03/14/2013
(Signature)

Name typed or printed: Olav Hellwig
Address: 5960 Arabian Court, San Jose, CA 95123

Inventor:  Date: 03/14/2013
(Signature)

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Address: 2377 Susan Drive, San Jose, CA 95050

Inventor:  Date: 3/14/2013
(Signature)

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Address: 3403 Yerba Buena Rd., San Jose, CA 95135