

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>Koujiro KOMAGAKI</td> <td>06/18/2013</td> </tr> <tr> <td>Kouchi NISHIOKA</td> <td>06/18/2013</td> </tr> </tbody> </table>		Name	Execution Date	Koujiro KOMAGAKI	06/18/2013	Kouchi NISHIOKA	06/18/2013
Name	Execution Date						
Koujiro KOMAGAKI	06/18/2013						
Kouchi NISHIOKA	06/18/2013						
RECEIVING PARTY DATA							
Name:	HGST Netherlands B.V.						
Street Address:	Luna ArenA						
Internal Address:	Herikerbergweg 238						
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>13923518</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13923518		
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Application Number:	13923518						
CORRESPONDENCE DATA							
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Date:	06/21/2013						
Total Attachments: 1 source=HJP920130005US1_Assignment#page1.tif							

CH \$40.00 13923518

ASSIGNMENT FOR PATENT APPLICATION

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

ENHANCED PINNING PROPERTY BY INSERTED SI SEED LAYER

Whereas, HGST Netherlands B.V., having a place of business at Luna ArenA, Herikerbergweg 238, 1101 CM Amsterdam, 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: Koujirō Komagaki Date: 6/18/2013
Typed Name: Koujirō KOMAGAKI
- 2) Signature: Kouichi Nishioka Date: 6/18/2013
Typed Name: Kouichi NISHIOKA