

## 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>Thomas Albrecht</td> <td>03/15/2013</td> </tr> <tr> <td>He Gao</td> <td>03/15/2013</td> </tr> <tr> <td>Kanaiyalal Patel</td> <td>03/15/2013</td> </tr> <tr> <td>Tsai-wei Wu</td> <td>03/15/2013</td> </tr> </tbody> </table>		Name	Execution Date	Thomas Albrecht	03/15/2013	He Gao	03/15/2013	Kanaiyalal Patel	03/15/2013	Tsai-wei Wu	03/15/2013
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Thomas Albrecht	03/15/2013										
He Gao	03/15/2013										
Kanaiyalal Patel	03/15/2013										
Tsai-wei Wu	03/15/2013										
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>13835395</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13835395						
Property Type	Number										
Application Number:	13835395										
CORRESPONDENCE DATA											
Fax Number:	8317222350										
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>											
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NAME OF SUBMITTER:	Amber Grewer										
Total Attachments: 1 source=Ex Assignment HSJ920130018US2#page1.tif											

CH \$40.00 13835395

PATENT

## ASSIGNMENT FOR PATENT APPLICATION




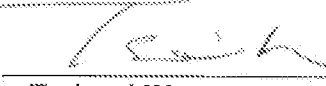
Whereas, I/we the undersigned inventor(s) have invented certain improvements as set forth in the patent application entitled:

### PATTERN TONE REVERSAL

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: 3/15/13  
Typed Name: Thomas Albrecht
- 2) Signature:  Date: 3/15/13  
Typed Name: He Gao
- 3) Signature:  Date: 3/15/13  
Typed Name: Kanaiyaji Patel
- 4) Signature:  Date: 3/15/13  
Typed Name: Tsai-wei Wu