

## 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>Hiroyuki Katada</td> <td>09/30/2013</td> </tr> <tr> <td>Masato Shiimoto</td> <td>09/30/2013</td> </tr> <tr> <td>Maki Maeda</td> <td>09/30/2013</td> </tr> </tbody> </table>		Name	Execution Date	Hiroyuki Katada	09/30/2013	Masato Shiimoto	09/30/2013	Maki Maeda	09/30/2013
Name	Execution Date								
Hiroyuki Katada	09/30/2013								
Masato Shiimoto	09/30/2013								
Maki Maeda	09/30/2013								
RECEIVING PARTY DATA									
Name:	HGST Netherlands B.V.								
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Internal Address:	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>14042459</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	14042459				
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Application Number:	14042459								
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NAME OF SUBMITTER:	John D. Henkhaus								
Signature:	/John D. Henkhaus/								
Date:	09/30/2013								
Total Attachments: 1 source=HGST.P088_HJP920120041US1_Executed Assignment#page1.tif									

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PATENT

## ASSIGNMENT FOR PATENT APPLICATION

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

### MICROWAVE-ASSISTED MAGNETIC RECORDING HEAD WITH ASYMMETRIC SIDE GAP FOR SHINGLED MAGNETIC RECORDING

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: Hiroyuki Katada Date: 30/09/2013  
Typed Name: Hiroyuki Katada
  
- 2) Signature: Masato Shiimoto Date: 30/09/2013  
Typed Name: Masato Shiimoto
  
- 3) Signature: Maki Maeda Date: 30/09/2013  
Typed Name: Maki Maeda