

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT4132126

<b>SUBMISSION TYPE:</b>	CORRECTIVE ASSIGNMENT										
<b>NATURE OF CONVEYANCE:</b>	Corrective Assignment to correct the EXECUTION DATE FOR THE 4TH INVENTOR SHOULD BE 7/14/2016 previously recorded on Reel 039192 Frame 0772. Assignor(s) hereby confirms the EXECUTION DATE FOR THE 4TH INVENTOR SHOULD BE CORRECTED FROM 7/15/2016 TO 7/14/2016..										
<b>CONVEYING PARTY DATA</b>											
	<table border="1"> <thead> <tr> <th>Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>ADAM CHRISTOPHER GEML</td> <td>07/11/2016</td> </tr> <tr> <td>COLIN CHRISTOPHER MCCAMBRIDGE</td> <td>07/15/2016</td> </tr> <tr> <td>PHILIP JAMES SANDERS</td> <td>07/14/2016</td> </tr> <tr> <td>LEE ANTON SENDELBACH</td> <td>07/14/2016</td> </tr> </tbody> </table>	Name	Execution Date	ADAM CHRISTOPHER GEML	07/11/2016	COLIN CHRISTOPHER MCCAMBRIDGE	07/15/2016	PHILIP JAMES SANDERS	07/14/2016	LEE ANTON SENDELBACH	07/14/2016
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PHILIP JAMES SANDERS	07/14/2016										
LEE ANTON SENDELBACH	07/14/2016										
<b>RECEIVING PARTY DATA</b>											
<b>Name:</b>	HGST NETHERLANDS B.V.										
<b>Street Address:</b>	HERIKERBERGWEG 238, LUNA ARENA										
<b>City:</b>	AMSTERDAM										
<b>State/Country:</b>	NETHERLANDS										
<b>Postal Code:</b>	1101 CM										
<b>PROPERTY NUMBERS Total: 1</b>											
	<table border="1"> <thead> <tr> <th>Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>15214345</td> </tr> </tbody> </table>	Property Type	Number	Application Number:	15214345						
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Application Number:	15214345										
<b>CORRESPONDENCE DATA</b>											
<b>Fax Number:</b>											
<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.</i>											
<b>Email:</b>	pairedocketing@ssiplaw.com										
<b>Correspondent Name:</b>	SHUMAKER & SIEFFERT, P.A.										
<b>Address Line 1:</b>	1625 RADIO DRIVE										
<b>Address Line 2:</b>	SUITE 300										
<b>Address Line 4:</b>	WOODBURY, MINNESOTA 55125										
<b>ATTORNEY DOCKET NUMBER:</b>	1203-075US01/H20161019US1										
<b>NAME OF SUBMITTER:</b>	KARI GREEN										
<b>SIGNATURE:</b>	/Kari Green/										
<b>DATE SIGNED:</b>	11/08/2016										

**Total Attachments: 4**

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## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
Stylesheet Version v1.2

EPAS ID: PAT3969025

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
ADAM CHRISTOPHER GEML	07/11/2016
COLIN CHRISTOPHER MCCAMBRIDGE	07/15/2016
PHILIP JAMES SANDERS	07/14/2016
LEE ANTON SENDELBACH	<del>07/15/2016</del> 7/14/2016
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	HGST NETHERLANDS B.V.
<b>Street Address:</b>	HERIKERBERGWEG 238, LUNA ARENA
<b>City:</b>	AMSTERDAM
<b>State/Country:</b>	NETHERLANDS
<b>Postal Code:</b>	1101 CM
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
Application Number:	15214345
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	
<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.</i>	
<b>Phone:</b>	651-735-1100
<b>Email:</b>	pairedocketing@ssiplaw.com
<b>Correspondent Name:</b>	SHUMAKER & SIEFFERT, P.A/HGST, INC.
<b>Address Line 1:</b>	1625 RADIO DRIVE, SUITE 300
<b>Address Line 4:</b>	WOODBURY, MINNESOTA 55125
<b>ATTORNEY DOCKET NUMBER:</b>	1203-075US01/H20161091US1
<b>NAME OF SUBMITTER:</b>	KARI GREEN
<b>SIGNATURE:</b>	/Kari Green/
<b>DATE SIGNED:</b>	07/19/2016
<b>Total Attachments: 3</b>	
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## ASSIGNMENT FOR PATENT APPLICATION

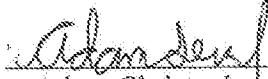
Whereas, I/we the undersigned inventor(s) have invented certain improvements as set forth in the patent application entitled:

### MAPPING TABLES FOR STORAGE DEVICES

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: 7/11/2016  
Typed Name: Adam Christopher Geml
- 2) Signature: \_\_\_\_\_ Date: \_\_\_\_\_  
Typed Name: Colin Christopher McCambridge
- 3) Signature: \_\_\_\_\_ Date: \_\_\_\_\_  
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- 4) Signature: \_\_\_\_\_ Date: \_\_\_\_\_  
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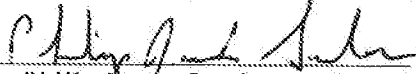

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