

## PATENT ASSIGNMENT COVER SHEET

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<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
MANABU OCHI	09/13/2017
TATSUYA YAMASAKI	09/13/2017
ATSUSHI KAZAMA	09/13/2017
FUMIHITO ICHIKAWA	09/15/2017
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	HITACHI-LG DATA STORAGE, INC.
<b>Street Address:</b>	22-23, KAIGAN 3-CHOME, MINATO-KU
<b>City:</b>	TOKYO
<b>State/Country:</b>	JAPAN
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
Application Number:	15714706
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<b>SIGNATURE:</b>	/John R. Mattingly/
<b>DATE SIGNED:</b>	09/27/2017
<b>Total Attachments: 1</b>	
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ASSIGNMENT  
( 譲渡証 )

As a below named inventor, I hereby declare that:

IN CONSIDERATION of the sum of One Dollar (\$1.00) or the equivalent thereof, and other good and valuable consideration paid to me citizen of Japan by Hitachi-LG Data Storage, Inc. a corporation organized under the laws of Japan, located at 22-23, Kaigan 3-chome, Minato-ku, Tokyo, Japan receipt of which is hereby acknowledged I do hereby sell and assign to said Hitachi-LG Data Storage, Inc. its successor and assigns, all my right, title and interest, in and for the United States of America, in and to

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invented by me (if only one is named below) or us (if plural inventors are named below) and described in the application for United States Letters Patent therefor, executed on even date herewith, and all United States Letters Patent which may be granted therefor, and all divisions, continuations and extensions thereof, the said interest being the entire ownership of the said Letters Patent when granted, to be held and enjoyed by said Hitachi-LG Data Storage, Inc. its successor, assigns or other legal representatives, to the full end of term for which said Letters Patent may be granted as fully and entirely as the same would have been held and enjoyed by me or us if this assignment and sale had not been made;

And I hereby agree to sign and execute any further documents or instruments which may be necessary, lawful, and proper in the prosecution of the above-named application or in the preparation and prosecution of any continuing, continuation-in-part, substitute, divisional, renewal, reviewed or reissue applications or in any amendment, extension, or interference proceedings, or otherwise to secure the title thereto in said assignee;

And I do hereby authorize and request the Commissioner of Patents to issue said Letters Patent to said Hitachi-LG Data Storage, Inc.

Signed on the date(s) indicated aside our signatures:

	INVENTOR(S) (発明者フルネームサイン)	Date Signed (署名日)
1)	<u>Manabu Ochi</u> Manabu OCHI	<u>Sep. 13/2017</u> T.Y. Sep. 13/2017
2)	<u>Tatsuya Yamasaki</u> Tatsuya YAMASAKI	<del>Sep. 13/2017</del> <u>Sep. 13/2017</u>
3)	<u>Atsushi Kazama</u> Atsushi KAZAMA	<u>Sep. 13/2017</u>
4)	<u>Fumihito Ichikawa</u> Fumihito ICHIKAWA	<u>Sep 15/2017</u>