

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT2971682

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
ATSUSHI KIKUGAWA	06/30/2014
<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>Name:</b>	HITACHI CONSUMER ELECTRONICS CO., LTD.
<b>Street Address:</b>	292, YOSHIDA-CHO, TOTSUKA-KU,
<b>City:</b>	YOKOHAMA, KANAGAWA
<b>State/Country:</b>	JAPAN
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
Application Number:	14453643
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(703)312-6666
<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>	703-312-6600
<b>Email:</b>	svannarath@antonelli.com
<b>Correspondent Name:</b>	ANTONELLI, TERRY, STOUT & KRAUS, LLP
<b>Address Line 1:</b>	1300 NORTH SEVENTEENTH STREET
<b>Address Line 2:</b>	SUITE 1800
<b>Address Line 4:</b>	ARLINGTON, VIRGINIA 22209-3873
<b>ATTORNEY DOCKET NUMBER:</b>	1021.53723X00
<b>NAME OF SUBMITTER:</b>	PAUL J. SKWIERAWSKI
<b>SIGNATURE:</b>	/Paul J. Skwierawski/
<b>DATE SIGNED:</b>	08/07/2014
<b>Total Attachments: 1</b>	
source=53723X00ASN#page1.tif	

# 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.,  
and Hitachi Consumer Electronics Co., Ltd.  
corporations organized under the laws of Japan,  
located at 22-23, Kaigan 3-chome, Minato-ku, Tokyo, Japan  
and 292, Yoshida-cho, Totsuka-ku, Yokohama, Kanagawa, Japan  
receipt of which is hereby acknowledged I do hereby sell and assign to Hitachi - LG Data Storage, Inc.,  
and Hitachi Consumer Electronics Co., Ltd.  
their successors and assigns, all my right, title and interest, in and for the United States of America, in and to

## CHANNEL BITWORD PROSESSOR, PRML DECODER, AND OPTICAL INFORMATION RECORDING/REPRODUCING DEVICE

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.,  
and Hitachi Consumer Electronics Co., Ltd.

their successors, 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., and Hitachi Consumer Electronics Co., Ltd.

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) Atsushi Kikugawa Atsushi KIKUGAWA

6/30/14

2) \_\_\_\_\_

\_\_\_\_\_

3) \_\_\_\_\_

\_\_\_\_\_

4) \_\_\_\_\_

\_\_\_\_\_

5) \_\_\_\_\_

\_\_\_\_\_

6) \_\_\_\_\_

\_\_\_\_\_

7) \_\_\_\_\_

\_\_\_\_\_

8) \_\_\_\_\_

\_\_\_\_\_

9) \_\_\_\_\_

\_\_\_\_\_

10) \_\_\_\_\_

\_\_\_\_\_

PATENT