Form PTO-1595 RECORDATION FORM COVER SHEET U.S. DEPARTMENT OF COMMOND No. 0651-0027 (exp. 6/30/2005)  RECORDATION FORM COVER SHEET U.S. DEPARTMENT OF COMMOND U.S. Patent and Trademark	
To the Honorable Commissioner of Detacts and T	Attorney Docket No. 500.48704X0
Name of conveying party(ies):	: Please record the attached original documents or copy thereof.
Osamu KAWAMAÉ	<ol><li>Name and address of receiving party(ies)</li></ol>
Additional name(s) of conveying party(ies) attached?  Yes  A	A. Name: HITACHI-LG DATA STORAGE, INC.  Street Address: 22-23, Kalgan 3-chome, Minato-ku,
3. Nature of conveyance/ Execution Date: April 25, 2008 .	City: State: Zip
⊠ Assignment □ Merger	Tokyo, Japan
	B. Name:
☐ Security Agreement ☐ Change of Name ☐ Joint Research Agreement	HITACHI, LTD.,
Government Interest Assignment	Street Address:
Executive Order 9424, Confirmatory License	6-6, Marunouchi 1-chome Chiyoda-ku
Other.	/ and and find the Chiyoog-Ru
E said.	City: State: Zip: Tokyo, Japan
4 Anni-di-di-di-di-di-di-di-di-di-di-di-di-di	Additional name(s) & address(es) attached?  Yes  No
Application number(s) or patent number(s):	☐ This document is being filed together with a new application.
A. Patent Application No.(s)	B. Patent Registration No.(s)
12/098,625	1
12/030,020	
Additional number(s) a	attached ☐ Yes ⊠ No
<ol> <li>Name and address of party to whom correspondence concerning document should be mailed:</li> </ol>	6. Total number of applications and patents involved 1
Name: ANTONELLI, TERRY, STOUT & KRAUS, LLP	7. Total fee (37 CFR 3.41) \$40.00
internal Address:	□ Authorized to be charged by credit card     □ Authorized to be charged to deposit account     □ Enclosed     □ None required (government interest not affecting title)
1300 NORTH 17 <sup>TH</sup> STREET – SUITE 1800	
City: ARLINGTON State: VA Zip 22209	8. Payment Information:
	a. Credit Card Last 4 numbers: 1065
Phone Number: (703) 312-6600	Expiration date: 6/10
Facsimile Number: (703) 312-6666 Emall Address: email@antonelli.com	b. Deposit account number: 01-2135
	o. Doposit account flushber: 01-2135
	Authorized User Name: Alan E. Schlavelli
Statement and signature. DO NOT USE	THIS SPACE
To the best of my knowledge and belief, the foregoing info is a true copy of the original document.	rmation is true and correct and any attached copy
aul J. Skwierawski, Reg#32,173	16/26/2008
Name of Person Signing Signatu	
78	Date
Total number of pages including cover shoe	er sheet, attachments, and document:

Mail Stop Assignment Recordation Services, Director of the USPTO, P.O. Box 1450, Alexandria, VA 22313-1450

PATENT REEL: 021155 FRAME: 0649

## 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, Ltd.,

and Hitachi - LG Data Storage, Inc.,

corporations organized under the laws of Japan,

6-6, Marunouchi 1-chome, Chiyoda-ku, Tokyo, Japan

and 22-23, Kaigan 3-chome, Minato-ku, Tokyo, Japan

receipt of which is hereby acknowledged I do hereby sell and assign to said Hitachi, Ltd.,

and Hitachi - LG Data Storage, Inc.,

their successors and assigns, all my right, title and interest, in and for the United States of America, in and to

## CONTROL DEVICE, UPDATE METHOD AND CONTROL SOFTWARE

invented by mel (if only one is named below ) or usi (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 and Hitachi - LG Data Storage, Inc.,

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

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 and Hitachi - LG Data Storage, Inc.,

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

RECORDED: 06/26/2008

	INVENTOR(S) (発明者フルネームサイン)	Date Signed (署名日)
1)	Osamu Kawamae	4/25/08
2)_		
3)_		
5)		
		PATENT

REEL: 021155 FRAME: 0650