Form PTO-1595
(Rev. 10/02)
OMB No. 0651-0027 (exp. 6/30/2005)
PAT



1ENT OF COMMERCE

Attorney Docket No. 500.44250X00 To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof. 1. Name of conveying party(ies): 2. Name and address of receiving party(ies) Hiroyuki MINEMURA Koichi WATANABE Name: (1) Hitachi, Ltd. Street Address: (1) 6-6, Marunouchi 1-chome, Chiyoda-ku, Tokyo, Additional name(s) of conveying party(ies) attached?

Yes

No Japan Name: (2) Hitachi-LG Data Storage, Inc. 3. Nature of conveyance: Street ☐ Merger Address: (2) 22-23, Kaigan 3-chome, Minato-ku, Tokyo, ☐ Security Agreement ☐ Change of Name Japan ☐ Other Execution Date: November 25, & December 6, 2004 Additional name(s) & address(es) attached? ☐ Yes ☒ No 4. Application number(s) or patent number(s): If this document is being filed together with a new application, the execution date of the application is: . A. Patent Application No.(s) B. Patent Registration No.(s) 10/933,321, filed 9/3/2004 Additional number(s) attached Yes No 5. Name and address of party to whom correspondence 6. Total number of applications and patents involved concerning document should be mailed: 7. Total fee (37 CFR 3.41)..... \$40.00 Name: ANTONELLI, TERRY, STOUT & KRAUS, LLP ☑ Enclosed Internal Address: ☐ Authorized to be charged to deposit account 1300 NORTH 17TH STREET - SUITE 1800 8. Deposit account number: City: ARLINGTON State: VA Zip 22209 01-2135 (Attach duplicate copy of this page if paying by deposit account) DO NOT USE THIS SPACE 9. Statement and signature. To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document. MELVIN KRAUS, Reg#22,466 01/05/2005 Name of Person Signing Signature Date

Total number of pages including cover sheet, attachments, and document:

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Washington, D.C. 20231

01/08/2005 CMSUTEN 00000103 10933332: 02 FC:8021 40.

Washington, D.C. 2023

PATENT REEL: 016132 FRAME: 0090

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 a citizen of Japan by HITACHI, LTD., and Hitachi-LG Data Storage, Inc., corporations organized under the laws of Japan, located at 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

RECORDING METHOD AND OPTICAL DISK DEVICE

* U.S. Application Number 10/933321 filed on September 3, 2004

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, LTD., 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 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, LTD., and Hitachi-LG Data Storage, Inc.

Signed on the date(s) indicated aside signatures:

RECORDED: 01/05/2005

	INVENTOR(S)	Date Signed
	(発明者フルネームサイン)	(署名日)
1) _	Hiroyuki Mimemura	11/25/2004
2) _	Hiroyuki Mimomura Hiroyuki MINEMURA Kalchi Watanale	12/06/2004
_	Koichi WATANABE	
3) _		
4) _		
5) _		
6) _		
7) _		
8) _		
9) _		
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PATENT REEL: 016132 FRAME: 0091