PATENT ASSIGNMENT

Electronic Version v1.1 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT	
NATURE OF CONVEYANCE:	ASSIGNMENT	

CONVEYING PARTY DATA

Name	Execution Date
Shigeru Murotani	08/22/2007

RECEIVING PARTY DATA

Name:	Hitachi-LG Data Storage, Inc.	
Street Address:	Street Address: 22-23, Kaigan 3-chome, Minato-ku,	
City:	Tokyo	
State/Country:	JAPAN	

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	11849472

CORRESPONDENCE DATA

Fax Number: (703)312-6666

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ATTORNEY DOCKET NUMBER: 520.47934X00

NAME OF SUBMITTER: Paul J. Skwierawski

Total Attachments: 2

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PATENT REEL: 019828 FRAME: 0576

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

Optical Disc Apparatus, and Method for Self-diagnosis Control of Optical Disc Apparatus

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 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.

Signed on the date(s) indicated aside signatures:

(発明者フルネームサイン)		Date Signed (署名日)	
1)	Shigeru Murotan;	8/22/09	
2)	Snigeru MUROTANI		
" _			

PATENT : REEL: 019828 FRAME: 0577

Form PTO-1595 (Rev. 10/02) OMB No. 0651-0027 (exp. 6/30/2005)	RECORDATION FOR PATENTS		U.S. DEPARTMENT OF COMMERCE U.S. Patent and Trademark Office	
CINE 110. 0001 0021 (0xp. 0/00/2000)			Attorney Docket No. 520.47934X00	
To the Honorable Commissioner of Pa	atents and Trademarks: Pl	ease record the attached	original documents or copy thereof.	
Name of conveying party(ies): SHIGERU MUROTANI		Name and address Name: HITACHI-	of receiving party(ies) LG DATA STORAGE, INC.	
Additional name(s) of conveying party(ies) attached? Yes No		Address: 22-23, Kaigan 3-chome, minato-ku, Tokyo, Japan		
3. Nature of conveyance/ Execution Date:	August 22, 2007.			
Security Agreement Joint Research Agreement Government Interest Assignment Executive Order 9424, Confirmatory Lic			ddress(es) attached? ☐ Yes 🏻 No	
Application number(s) or patent number(s):		☐ This document is beir	ng filed together with a new application.	
A. Patent Application No.(s)		B. Patent Registratio	n No.(s)	
11/849,472				
Additional number(s) attached ☐ Yes ☒ No				
Name and address of party to whom co- concerning document should be mailed		6. Total number of app	lications and patents involved 1	
Name: ANTONELLI, TERRY, STO	UT & KRAUS, LLP	7. Total fee (37 CFR 3	.41)\$ 40.00	
			e charged by credit card	
Internal Address:		☐ Authorized to be ☐ Enclosed	e charged to deposit account	
1300 NORTH 17 TH STREET – SUI	TE 1800	None required (government interest not affecting title)		
		Payment Informatio	n·	
City: ARLINGTON State: VA Zip 22	2209	,		
,		a. Credit Card Last 4	I numbers: 1024 ation date: 06/10	
Phone Number: (703) 312-6600 Facsimile Number: (703) 312-6666 Email Address: email@antonelli.com	1	b. Deposit account nu		
		Authorized User Name	: Melvin Kraus	
	DO NOT USE T			
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.				
Paul J. Skwierawski, Reg#32,173	_/ Paul J. Skwiera	wski/	09/14/2007	
Name of Person Signing	Signatu	re	Date	
Total number of pages including cover sheet, attachments, and document: 2				

Documents to be recorded (including cover sheet) should be faxed to (571) 273-0140, or mailed to:
Mail Stop Assignment Recordation Services, Director of the USPTO, P.O. Box 1450, Alexandria, VA 22313-1450

RECORDED: 09/14/2007

PATENT REEL: 019828 FRAME: 0578