502162755 12/14/2012

PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
Toshio NISHIDA	12/05/2012

RECEIVING PARTY DATA

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

Name:	Hitachi Consumer Electronics Co., Ltd.		
Street Address:	2-1, Otemachi 2-chome		
Internal Address:	Chiyoda-ku		
City:	Tokyo		
State/Country:	JAPAN		

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	13654515

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NAME OF SUBMITTER: Paul J. Skwierawski

Total Attachments: 1

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PATENT

REEL: 029468 FRAME: 0190

OF \$40.00 13654515

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 2-1, Otemachi 2-chome, Chiyoda-ku, Tokyo, Japan

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

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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 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) ナイン)	Date Signed (署名日)		
1)_	Toshio	hishida	Toshio NISHIDA	5/12/	2012	
2)	M.,.					

10)						

PATENT REEL: 029468 FRAME: 0191

RECORDED: 12/14/2012