

11-09-2006



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To the Director of the United States Patent and Market 103334465. 1. Name of conveying party(ies): 2. Name and address of receiving party(ies): Masaomi IZUMISAWA TOSHIBA SAMSUNG STORAGE Name: TECHNOLOGY CORPORATION Address: 580 Horikawa-cho, Saiwai-ku, Kawasaki-City, Additional name(s) of conveying party(ies) attached?

Yes No Kanagawa 212-0013, Japan 3. Nature of Conveyance: Assignment ☐ Merger ☐ Security Agreement ☐ Change of Name ☐ Other Execution Date: September 6, 2006 Additional name(s) and address(es) attached?

Yes No 4. Application number(s) or patent number(s): ☐ This document is being filed together with a new application B. Patent No.(s) A. Patent Application No.(s) 11/533,214 Additional numbers attached?

Yes No 5. Name and address of party to whom correspondence 6. Total applications and patents involved: 1 concerning document should be mailed: 7. Total fee (37 CFR 3.41): \$40.00 Customer Number Enclosed ☐ Authorized to be charged to deposit account Tel. (703) 413-3000 8. Deposit account number: 15-0030 Fax. (703) 413-2220 (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. NOV 0 6 2006 Marvin J. Spivak Name of Person Signing Signature Date Raymond F. Cardillo, Jr. Registration Number: 24,913 Registration No. 40.440 Total number of pages including this cover sheet: 3 _11/27/2006-#BERHS1--38888883-1153321

> Director of the United States Patent and Trademark Office Mail Stop Assignment Recordation Services Alexandria, Virginia. 22313

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PATENT REEL: 018508 FRAME: 0358

Assignment of Application

MES	WHEREAS, I (WE) Masaomi IZUMISAWA residing at Kawasaki-City, Kanagawa, Japan	
DENCE OF		
TORS:		
		, respectively
	have invented certain new and useful improvements in: OPTICAL PICKUP DEVICE AND	
NCE	OPTICAL DISK DEVICE USING THE SAME	
	(Application No. 11/533,214 , filed September 19, 2006), and
NE.	WHEREAS, TOSHIBA SAMSUNG STORAGE TECHNOLOGY CORPORATION	

INSERT NAME AND ADDRESS OF COMPANY OR OTHER ASSIGNEE

(hereinafter referred to as "ASSIGNEE") having a place of business at: 580 Horikawa-cho, Saiwai-ku, Kawasaki-City, Kanagawa 212-0013, Japan is desirous of acquiring the entire right, title and interest in and to said invention and in and to any Letters Patent that may be granted therefore in the United States and its territorial possessions and in any and all foreign countries;

NOW, THEREFORE, in consideration of the sum of FIVE DOLLARS (\$5.00), the receipt whereof is hereby acknowledged, and for other good and valuable consideration, I (WE), by these presents do sell, assign and transfer unto said ASSIGNEE, the full and exclusive right to the said invention in the United States and its territorial possessions and in all foreign countries and the entire right, title and interest in and to any and all Letters Patent which may be granted therefor in the United States and its territorial possessions and in any and all foreign countries and in and to any and all divisions, reissues, continuations, substitutions and renewals thereof.

I (WE) hereby authorize and request the Patent Office Officials in the United States and its territorial possessions and any and all foreign countries to issue any and all of said Letters Patent, when granted, to said ASSIGNEE as the assignee of my (our) entire right, title and interest in and to the same, for the sole use and behoof of said ASSIGNEE, its (his) successors and assigns, to the full end of the term for which said Letters Patent may be granted, as fully and entirely as the same would have been held by me (us) had this Assignment and sale not been made.

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Further, I (WE) agree that I (WE) will communicate to said ASSIGNEE or its (his) representatives any facts known to me (us) respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuation, substitute, renewal and reissue applications, execute all necessary assignment papers to cause any and all of said Letter Patent to be issued to said ASSIGNEE, make all rightful oaths, and, generally do everything possible to aid said ASSIGNEE, its (his) successors and assigns, to obtain and enforce proper protection for said invention in the United States and its territorial possessions and in any and all foreign countries.

The undersigned hereby grant(s) the firm of Oblon, Spivak, McClelland, Maier & Neustadt, P.C. of 1940 Duke Street, Alexandria, Virginia 22314 the power to insert on this assignment any further identification, including the application number and filing date, which may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document.

Date:	September 6, 2006	Massichi ZZUMITANA	
	······································	(Signature of Inventor) Masaomi IZUMISAWA	
Date:			
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Date:			
		(Signature of Inventor)	

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12/04

RECORDED: 11/06/2006

PATENT REEL: 018508 FRAME: 0360