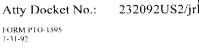
Atty Docket No.:

01 FC:8021

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08-04-2003



Patent and Trademark Office

To the Honorable Commissioner of Patents and Trademarks. Please record the attached original documents or copy thereof. 2. Name and address of receiving party(ies): 1. Name of conveying party(ies): TDK CORPORATION Name: Noriyuki KAWANO 1-13-1, Nihonbashi, Chuo-ku, Address: Tokyo, 103-8272, JAPAN Additional name(s) of conveying party(ies) attached? □Yes ■No 3. Nature of Conveyance: □ Merger ■ Assignment □ Change of Name □ Security Agreement □ Other Additional name(s) and address(es) attached? □Yes ■No December 15, 2002 Execution Date: 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: B. Patent No.(s) A. Patent Application No.(s) 10/327,110 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: \$40.00 7. Total fee (37 CFR 3.41): ■ Enclosed □ Authorized to be charged to deposit account Tel. (703) 413-3000 (703) 413-2220 15-0030 8. Deposit account number: (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. Marvin J. Spivak Name of Person Signing Registration Number: Joseph A. Scafetta, Jr. Total number of pages inclanding stration No. 26,803 Do not detach this portion Mail documents to be recorded with required cover sheet information to: Director of the United States Patents and Trademark Office Mail Stop Assignment Recordation Services Alexandria, Virginia 22313 04/2003 GTON11 00000014 10327110

> PATENT REEL: 014334 FRAME: 0008

## TDK/020/03175US

## **Assignment of Application**

Page 1 of 2

	WHEREAS, I (WE) NORIYUKI KAWANO,	
MES DENCE	citizen of Japan, residing at c/o TDK Corporation	
OF TORS:	1-13-1, Nihonbashi, Chuo-ku, Tokyo, 103-8272, Japan	
		destruction and a second secon
		100
TLE TON TE IN-		espectively,
	have invented certain new and useful improvements in: OPTICAL DISK DRIVE APPARATUS, OPTICAL	<b>AL</b>
	PICKUP, MANUFACTURING METHOD THEREFOR AND ADJUSTING METHOD THEREFOR	
D	for which an application for Letters Patent was executed on December 15, 2002	
	(Application No. 10/327,110 , filed December 24,2002	), and
OF EE	WHEREAS, TDK CORPORATION	
	(hereinaster referred to as "ASSIGNEE") having a place of business at:	
	1-13-1, Nihonbashi, Chuo-ku, Tokyo, 103-8272, Japan	
	is desirous of acquiring the entire right, title and interest in and to said invention and in and to any Letter	S Patent that

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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Page 2 of 2

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 Fourth Floor, 1755 Jefferson Davis Highway, Arlington, Virginia 22202 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: 2002. /	2 . 15	Noriyuki Kawano	
		(Signature of Inventor) NORIYUKI KAWANO	
Date:			
		(Signature of Inventor)	
Date:	800 1 Set 1 Made 1 10 A July 2		
		(Signature of Inventor)	
Date:			
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Date:			
		(Signature of Inventor)	
Date:			
		(Signature of Inventor)	

OBLON, SPIVAK, McCLELLAND, MAIER & NEUSTADT, P.C.
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RECORDED: 07/30/2003

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