U.S. Department of Commerce Patent and Trademark Office

	1. Name of Conveying Party:	2. Name and Address of Receiving Party(ies):
	(1) Katsutake Togawa ARD 5-26-04	Name: VICTOR COMPANY OF JAPAN, LIMITED
	5.26.09	Street Address: 12, 3-chome, Moriya-cho, Kanagawa-ku,
	G Additional names of conveying parties attached.	
	3. Nature of Conveyance: X Assignment □ Merger □ Security Agreement □ Change of Name □ Other:	City, State, Zip: Yokohama, Kanagawa-ken, JAPAN
	Execution Date: (1) April 26, 2004	G Additional name(s) and address(es) attached.
	4. (A) Patent Application Number(s):	4. (B) Patent Number(s):
	If this document is being filed together with a new application, the execution date of the application is:	
	April 26, 2004	
	☐ Additional Numbers Attached.	•
	Language and the second	
	5. Name and Address of Party to whom Correspondence Concerning this Document Should be Mailed:	6. Total Number of Applications and Patents Involved:
	5. Name and Address of Party to whom Correspondence	7. Total Fee:
	5. Name and Address of Party to whom Correspondence Concerning this Document Should be Mailed:	1
	5. Name and Address of Party to whom Correspondence Concerning this Document Should be Mailed: Name: Gary M. Nath Address: NATH & ASSOCIATES PLLC 1030 15 th Street, N.W. B 6 th Floor Washington, D.C. 20005	7. Total Fee:
'27/2004 H FC:8021	5. Name and Address of Party to whom Correspondence Concerning this Document Should be Mailed: Name: Gary M. Nath Address: NATH & ASSOCIATES PLLC 1030 15 th Street, N.W. B 6 th Floor Washington, D.C. 20005	7. Total Fee: (37 CFR 3.41) \$ 40.00 X Enclosed. Authorized to be charged to deposit account. 8. Deposit Account Number: 14-0112
	5. Name and Address of Party to whom Correspondence Concerning this Document Should be Mailed: Name: Gary M. Nath Address: NATH & ASSOCIATES PLLC 1030 15 th Street, N.W. B 6 th Floor Washington, D.C. 20005	7. Total Fee: (37 CFR 3.41) \$ 40.00 X Enclosed. Authorized to be charged to deposit account. 8. Deposit Account Number:
	5. Name and Address of Party to whom Correspondence Concerning this Document Should be Mailed: Name: Gary M. Nath Address: NATH & ASSOCIATES PLLC 1030 15 th Street, N.W. B 6 th Floor Washington, D.C. 20005 E333 00000057 10853523 40.00 OP DO NOT USE THIS SPACE 9. Statement and Signature: To the best of my knowledge and belief, the	7. Total Fee: (37 CFR 3.41) \$ 40.00 X Enclosed. Authorized to be charged to deposit account. 8. Deposit Account Number: 14-0112 ATTACH DUPLICATE COPY OF THIS PAGE IF PAYING BY DEPOSIT ACCOUNT.
	5. Name and Address of Party to whom Correspondence Concerning this Document Should be Mailed: Name: Gary M. Nath Address: NATH & ASSOCIATES PLLC 1030 15 th Street, N.W. B 6 th Floor Washington, D.C. 20005 E333 00000057 10853523 40.00 0P DO NOT USE THIS SPACE 9. Statement and Signature:	7. Total Fee: (37 CFR 3.41) \$ 40.00 X Enclosed. Authorized to be charged to deposit account. 8. Deposit Account Number: 14-0112 ATTACH DUPLICATE COPY OF THIS PAGE IF PAYING BY DEPOSIT ACCOUNT.
	5. Name and Address of Party to whom Correspondence Concerning this Document Should be Mailed: Name: Gary M. Nath Address: NATH & ASSOCIATES PLLC 1030 15 th Street, N.W. B 6 th Floor Washington, D.C. 20005 E333 00000057 10853523 40.00 OP DO NOT USE THIS SPACE 9. Statement and Signature: To the best of my knowledge and belief, the copy is a true copy of the original document. Name of Person Signing Cary M, Nath, Reg.	7. Total Fee: (37 CFR 3.41) \$ 40.00 X Enclosed. Authorized to be charged to deposit account. 8. Deposit Account Number: 14-0112 ATTACH DUPLICATE COPY OF THIS PAGE IF PAYING BY DEPOSIT ACCOUNT. foregoing is true and correct and any attached Date: May 26, 2004 No. 26,965
	5. Name and Address of Party to whom Correspondence Concerning this Document Should be Mailed: Name: Gary M. Nath Address: NATH & ASSOCIATES PLLC 1030 15 th Street, N.W. B 6 th Floor Washington, D.C. 20005 E333 00000057 10853523 40.00 OP DO NOT USE THIS SPACE 9. Statement and Signature: To the best of my knowledge and belief, the copy is a true copy of the original document	7. Total Fee: (37 CFR 3.41) \$ 40.00 X Enclosed. Authorized to be charged to deposit account. 8. Deposit Account Number: 14-0112 ATTACH DUPLICATE COPY OF THIS PAGE IF PAYING BY DEPOSIT ACCOUNT. foregoing is true and correct and any attached Date: May 26, 2004 No. 26,965 Z, Reg. No. 47,421

ASSIGNMENT

FOR GOOD AND VALUABLE CONSIDERATION given to Katsutake TOGAWA hereinafter referred to as the ASSIGNOR(S), who has/have invented certain new and useful

DISC DRIVE APPARATUS

hereinafter referred to as the invention, for which I/we has/have executed an application for Letters Patent to be filed in the United States Patent and Trademark Office.

WHEREAS, VICTOR COMPANY OF JAPAN, LIMITED, a corporation organized and existing under the laws of the country/state of Japan, whose post office address/business address is 12, 3-chome, Moriya-cho, Kanagawa-ku, Yokohama, Kanagawa-ken, Japan, hereinafter referred to as the ASSIGNEE, desires to acquire the entire right, title and interest for the United States and elsewhere throughout the world in and to said invention and application, including any and all divisions and continuations thereof, all rights of priority under the terms of the International Convention for the Protection of Industrial Property, and any and all Letters Patent which may be granted thereon, including any and all renewals, reissues and prolongations thereof.

NOW, WITNESSETH THIS that for and in consideration of the sum of one dollar (\$1.00) and other good and valuable consideration, receipt, adequacy and sufficiency of which are hereby acknowledged, said ASSIGNOR(S) hereby assign(s), sell(s) transfer(s) to said ASSIGNEE, its assigns and legal representatives, the entire right, title and interest for the United States and elsewhere throughout the world, in and to said invention and application, including any and all divisions and continuations thereof, all rights of priority under the terms of the International Convention for the Protection of Industrial Property, and any and all Letters Patent which may be granted thereon, including any and all renewals, reissues and prolongations thereof, with all the rights, powers, privileges, and advantages in any way arising from or pertaining thereto, for and during the term or terms of any and all such Letters Patent when granted, including any and all renewals, reissues and prolongations thereof, for the use and benefit of said ASSIGNEE and its assigns and legal representatives, in as ample and as beneficial a manner for all intents and purposes as said ASSIGNOR(S) might or could have held and enjoyed the same had this assignment not been made.

> PATENT REEL: 015388 FRAME: 0723

ASSIGNMENT

ALSO, said ASSIGNOR(S) hereby agree(s) to execute all papers necessary to file said applications in the United States and elsewhere throughout the world, and to assign the same to said ASSIGNEE, or any assignee acquiring title to said invention, and to execute any other papers that may be needed in connection with filing said application and securing any and all Letters Patent thereon.

AND said ASSIGNOR(S) authorize(s) and request(s) the Commissioner of Patents to issue a Letters Patent on said application, and on any and all divisions and continuations thereof, to said ASSIGNEE, its assigns and legal representatives, in accordance herewith.

Katsutake (ogawa)	April 26, 2004
Inventor's Name: Katsutake TOGAWA	Date
(first or first inventor)	
Inventor's Name:	Date
(second inventor)	
Towart and a Name .	D-+-
Inventor's Name:	Date
(third inventor)	
Inventor's Name:	Doto
(fourth inventor)	Date
(Iouith inventor)	
	_
Inventor's Name:	Date
(fifth inventor)	

PATENT REEL: 015388 FRAME: 0724