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To the Honorable Commissioner of Part 1. Name of conveying party(ies): YASUNA, KEI YAMAGUCHI, TAKASHI SUGIYAMA, KENICHIRO	Name: HITACH Internal Address: 6, Kan	ss of receiving party(ies) II, LTD. da Surugadai 4-chome, Chiyodada,
1 -	attached? Yes No Street Address: City: State Change of Name Other	e: Zip: 20
Execution Date: December 7, 2001. 4. Application number(s) or patent number If this document is being filed together w. A. Patent Application No.(s) 2. IDEMESS1 00000048 10054794 40.00 DF	(s): vith a new application, the execution date of the a B. Patent Registrat	
5. Name and address of party to whom con		ications and patents involved 1
concerning document should be mailed Name: Antonelli, Terry, Stout & Ki	7. 7-1-16 (07.050	R 3.41) \$40.00
Internal Address:	☐ Authorized to	be charged to deposit account
1300 North Seventeenth Street Suite 1800 Arlington, VA 22209	8. Deposit account r	number:
City: State: Zip:	(Attach duplicate co	01-2135 py of this page if paying by deposit account)
	DO NOT USE THIS SPACE	
9. Statement and signature. To the best of my knowledge and be copy of the original document. Melvin Kraus	nelief, the foregoing information is true and o	correct and any attached copy is a true January 25, 2002
Name of Person Signing Registration Number: 22,466	Signature Signature attachments and in	Date

Mail documents to be recorded with required cover sheet information to:

Commissioner of Patent & Trademarks, Box Assignments

Washington, D.C. 20231

PATENT REEL: 012523 FRAME: 0846

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, LTD., a corporation organized under the laws of Japan, located at 6, Kanda Surugadai 4-chome, Chiyoda-ku, Tokyo, Japan, receipt of which is hereby acknowledged I do hereby sell and assign to said HITACHI, LTD., its successors and assigns, all my right, title and interest, in and for the United States of America, in and to

MAGNETIC DISK APPARATUS AND ITS SERVO SIGNAL RECORDING METHOD

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, LTD., 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, LTD.

Signed on the date(s) indicated aside signatures:

RECORDED: 01/25/2002

INVENTOR(S) (発明者フルネームサイン)	Date Signed (署名日)
1) <u>Kei Yosuna</u>	Dec. 7, 2001
2) Takashi Yangli	Dec. 7, 200
3) <u>Kenichiro Suziyama</u>	Dec. 7, 200]
4)	
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10)	

PATENT REEL: 012523 FRAME: 0847