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(Rev. 03/01)	101930000	SHEET U.S. DEPARTMENT OF COMMERCE
OMB No. 0651-0027	PATENTO .	U.S. Patent and Trademark Office
To the Honorable Commissioner of Pater	nts and Trademarks: Please record the	ne attached original documents or copy thereof.
1. Name of conveying party(ies):	2. Name and ad	dress of receiving party(ies):
Akira SAKAWAKI	SHOWA DENK	O Kabushiki Kaisha
Masato KOKUBU	13-9, Shiba Dair	non 1-chome, Minato-ku,
Hiroshi SAKAI	ゴ Tokyo 105-8518	Japan
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Additional name(s) of conveying party(ies) attached?] Yes ☑ No	
3. Nature of conveyance:		
☑ Assignment ☐ Merger		
☐ Security Agreement ☐ Change of Name	e	
☐ Other		
Execution Date: November 30, 2001	Additional name(s) & address(es) attached? ☐ Yes ☑ No
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:		
A. Patent Application No.(s)	B. Patent No.(s)
09/940,853		
A dditio	onal numbers attached?	Yes ☑ No
	The second secon	of applications and patents involved:
5. Name and address of party to whom corresp concerning document should be mailed:	o. Total number	1
_	7. Total fee (37	CFR 3.41): \$40.00
SUGHRUE MION, PLLC 2100 Pennsylvania Avenue, N.W.	7. Total fee (5)	Please charge any underpayment in connection
Suite 800	with this A	Assignment to Deposit Account No. 19-4880.
Washington, D.C. 20037-3213	✓ Authorize	d to be charged to deposit account
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original document. December 27, 2001		
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Total number of pages including cover sheet, attachments, and documents: 2		
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00000151 8840853 01/05/5005 DBAKNE 40.00 OP 01 FC:581

PATENT

REEL: 012404 FRAME: 0644

ASSIGNMENT

Whereas, we, Akira SAKAWAKI, Masato KOKUBU and Hiroshi SAKAI, all of Chiba, JAPAN, hereinafter called assignor(s), have invented certain improvements in

MAGNETIC RECORDING MEDIUM, PROCESS AND APPARATUS FOR PRODUCING THE SAME. AND MAGNETIC RECORDING AND REPRODUCING APPARATUS

and executed an application for Letters Patent of the United States of America therefor on

November 30, 2001; and

Whereas.

Showa Denko Kabushiki Kaisha

13-9, Shiba Daimon 1-chome, Minato-ku, Tokyo 105-8518 JAPAN

(assignee), desires to acquire the entire right, title and interest in the application and invention, and to any United States patents to be obtained therefor;

Now therefore, for valuable consideration, receipt whereof is hereby acknowledged,

I/We, the above named assignor(s), hereby sell, assign and transfer to the above named assignee, its successors and assigns, the entire right, title and interest in the application and the invention disclosed therein for the United States of America, including the right to claim priority under 35 U.S.C. $\,\S\,$ 119, and I/we request the Director U.S. Patent and Trademark Office to issue any Letters Patent granted upon the invention set forth in the application to the assignee, its successors and assigns; and I/we will execute without further consideration all papers deemed necessary by the assignee in connection with the United States application when called upon to do so by the assignee.

I/We hereby authorize and request my/our attorneys SUGHRUE MION, PLLC of 2100 Pennsylvania Avenue, N.W., Washington, D.C. 20037-3213 to insert here in parentheses (Application number 09/940,853 , filed August 29, 2001) the filing date and application number of said application when known.

Date: Nov 30, 2001 st akira Sakawaki Akira SAKAWAKI

Date: Nov 30 200/ s/ marato Kokubu

Date:

Nov. 30 2001 st Miroshi Sakai

RECORDED: 12/27/2001

(Legalization not required for recording but is prima facie evidence of execution under 35 U.S.C. § 261)

PATENT **REEL: 012404 FRAME: 0645**