Form PTO-1595 1-31-92

S. DEPARTMENT OF COMMERCE Patent and Trademark Office

7-5-01 REI 101613058			
To the Director – U.S. Patent and Trademark Office.	Please record the attached original documents or copy thereof.		
1. Name of conveying party(ies):	2. Name and address of receiving party(ies)?		
Kimie TAKAGI, Mikio SUZUKI, Emi SHIMAOKA and	SHOWA DENKO K.K.		
Noriyuki MIYAMOTO	13-9 Shiba Daimon 1-chome, Minato-ku, tokyo 105-8518 Japan		
Additional name(s) of conveying party(ies) attached?	OIPE		
☐ yes no	FEB 0 5 2001		
3. Nature of Conveyance:			
☑ Assignment ☐ Merger	W. and		
☐ Security Agreement ☐ Change of Names	(BADEMA"		
☐ Other	Additional name(s) & address(es) attached?		
Execution Date: July 4/14, September 1, 2000 and January	□ yes ☑ no		
26, 2001	_ yes <u>_ </u>		
4. Application number(s) or patent number(s):			
If this document is being filed together with a new application	n, the execution date of the application is:		
A. Patent Application No.(s)/Confirmation No.(s) 09/537,560	B. Patent No.(s)		
Additional numbers attac	l hed? □ Yes ☑ No		
5. Name and address of party to whom correspondence concerning document should be mailed:	6. Total number of applications and registration involved:		
Waddell A. Biggart	7. Total Fee (37 CFR 3.41): \$80.00		
SUGHRUE, MION, ZINN, MACPEAK & SEAS, PLLC	`		
2100 Pennsylvania Avenue, N.W.	Enclosed. Please charge any underpayment in connection with this Assignment to Deposit Account No. 19-4880.		
Suite 800			
Washington, D.C. 20037-3213	☐ Authorized to be charged to Deposit Account		
	8. Deposit Account No.		
	19-4880		
DO NOT WI	RITE IN 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.			
Brue E. 1/ men	February 5, 2001		
Bruce E. Kramet for Waddell A. Biggart Reg. No.			
TOTAL NUMBER OF PAGES COMPRISING COVER SHEET, ATTACHMENTS AND DOCUMENT: 4			
OMB No. 0651-0011 (exp. 4/94)			
Do not detach this portion			
Mail documents to be recorded with required cover sheet information to:			
Director – U.S. Patent and Trademark Office			
	Box Assignment		
Washin	gton, D.C. 20231		

01 FC:581

80.00 OP)

PATENT REEL: 011502 FRAME: 0727

	Q55279	
Form PTO-1595 10 - 23 - 2000	U.S. DEPARTMENT OF COMMERCE	
1-31-92	Patent and Trademark Office	
	IM COVER CHUSTES	
To the As 101494427	ord the attached original documents or copy thereof.	
1. Name of conveying party(les):	2. Name and address of receiving party(ies)?	
Kimie TAKAGI, Mikio SUZUKI, Emi SHIMAOKA, and	SHOWA DENKO K.K.	
Noriyuki MIYAMOTO	13-9, Shiba Daimon 1-chome	
Additional name(s) of annualing used (i.e.) at 1, 10	Minato-ku, Tokyo 105-8518 JAPAN	
Additional name(s) of conveying party(ies) attached?		
□ yes ☑ no	FEB 0 5 2001 y	
3. Nature of Conveyance:	TRANEMORN	
☑ Assignment ☐ Merger	TRANEW	
☐ Security Agreement ☐ Change of Names		
☐ Other	Additional name(s) & address(es) attached?	
Execution Date: July 4, July 12 and September 1, 2000	□ yes ☑ no	
4. Application number(s) or patent number(s):		
If this document is being filed together with a new applicati	on, the execution date of the application is:	
A. Patent Application No.(s) 09/537,560	B. Patent No.(s)	
Additional numbers atta	│ nched? □ Yes ☑ No	
5. Name and address of party to whom correspondence concerning document should be mailed:	6. Total number of applications and registration involved:	
SUGHRUE, MION, ZINN, MACPEAK & SEAS, PLLC	7. Total Fee (37 CFR 3.41): \$40.00	
2100 Pennsylvania Avenue, N.W.	☐ Enclosed. Please charge any underpayment in	
Suite 800 Washington, D.C. 20037-3213	connection with this Assignment to Deposit Account No. 19-4880.	
7 distangeon, 5.0. 2003 / 3215	Authorized to be charged to Deposit Account	
	8. Deposit Account No. 19-4880	
DO NOT W	/RITE IN 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.		
That the transfer of the	October 2, 2000	
Waddell A. Biggart Reg. No.	Date	
TOTAL NUMBER OF PAGES COMPRISING COVER SHEET, ATTACHMENTS AND DOCUMENT: 3		
OMB No. 0651-0011 (exp. 4/94)		
Do not detach this portion		
Mail documents to be recorded with required cover sheet information to:		
Assistant Commissioner of Patents Box Assignments		
Washington, D.C. 20231		

PATENT REEL: 011502 FRAME: 0728

ASSIGNMENT

Whereas, we, Kimie TAKAGI, Mikio SUZUKI, Emi SHIMAOKA and Noriyuki MIYAMOTO, all of Chiba, JAPAN

hereinafter called assignor(s), have invented certain improvements in

PRODUCTION PROCESS FOR MAGNETIC RECORDING MEDIUM

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

2000; 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 and foreign patents to be obtained therefor;

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

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 and all countries foreign thereto, including the rights of priority under the International Convention of Paris (1883) as amended, and we request the Commissioner-of Patents to issue any Letters Patent granted upon the invention set forth in the application to the assignee, its successors and assigns; and we hereby agree that the assignee may apply for foreign Letters Patent on the invention and we will execute without further consideration all papers deemed necessary by the assignee in connection with the United States and foreign applications when called upon to do so by the assignee.

We hereby authorize and request our attorneys SUGHRUE, MION, ZINN, MACPEAK & SEAS, PLLC of 2100 Pennsylvania Avenue, N.W., Washington, D.C. 20037-3213 to insert here in parentheses (Application number <u>09/537,560</u>, filed <u>March 30, 2000</u>) the filing date and application number of said application when known.

Date:	Jan. 26, 2001	s/	Kimie Takayi Kimie TAKAGI
Date:		s/	Mikio SUZUKI
Date:		s/	Emi SHIMAOKA
Date:		s/	Norivuki MIYAMOTO

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

REEL: 011502 FRAME: 0729

ASSIGNMENT

Whereas, we, Kimie TAKAGI, Mikio SUZUKI, Emi SHIMAOKA and Noriyuki MIYAMOTO, all of Chiba, JAPAN

hereinafter called assignor(s), have invented certain improvements in

PRODUCTION PROCESS FOR MAGNETIC RECORDING MEDIUM

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

Ju1y 4 and Ju1y 12, 2000; 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 and foreign patents to be obtained therefor;

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

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 and all countries foreign thereto, including the rights of priority under the International Convention of Paris (1883) as amended, and we request the Commissioner of Patents to issue any Letters Patent granted upon the invention set forth in the application to the assignee, its successors and assigns; and we hereby agree that the assignee may apply for foreign Letters Patent on the invention and we will execute without further consideration all papers deemed necessary by the assignee in connection with the United States and foreign applications when called upon to do so by the assignee.

We hereby authorize and request our attorneys SUGHRUE, MION, ZINN, MACPEAK & SEAS, PLLC of 2100 Pennsylvania Avenue, N.W., Washington, D.C. 20037-3213 to insert here in parentheses (Application number <u>09/537,560</u>, filed <u>March 30, 2000</u>) the filing date and application number of said application when known.

Date:		s/
		Kimie TAKAGI
Date: July 4, 2000	July 4, 2000	st_ Mikio Luzuhi
		Mikio SUZUKI
Date: July 12, 2000	July 12, 2000	s/Emi Shimaoka
	Emi SHIMAOKA	
Date:		s/Norivuki MIYAMOTO
		INCHIVERED IN FAINTED FOR

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

REEL: 011502 FRAME: 0730

ASSIGNMENT

Whereas, we, Kimie TAKAGI, Mikio SUZUKI, Emi SHIMAOKA and Noriyuki MIYAMOTO, all of Chiba, JAPAN

hereinafter called assignor(s), have invented certain improvements in

PRODUCTION PROCESS FOR MAGNETIC RECORDING MEDIUM

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

2000; 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 and foreign patents to be obtained therefor;

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

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 and all countries foreign thereto, including the rights of priority under the International Convention of Paris (1883) as amended, and we request the Commissioner of Patents to issue any Letters Patent granted upon the invention set forth in the application to the assignee, its successors and assigns; and we hereby agree that the assignee may apply for foreign Letters Patent on the invention and we will execute without further consideration all papers deemed necessary by the assignee in connection with the United States and foreign applications when called upon to do so by the assignee.

We hereby authorize and request our attorneys SUGHRUE, MION, ZINN, MACPEAK & SEAS, PLLC of 2100 Pennsylvania Avenue, N.W., Washington, D.C. 20037-3213 to insert here in parentheses (Application number <u>09/537,560</u>, filed <u>March 30, 2000</u>) the filing date and application number of said application when known.

Date:	s/Kimie TAKAGI
D at e:	s/ Mikio SUZUKI
Date:	s/Emi SHIMAOKA
Date: Sep / 2000	s/ Protriguki Miyamoto Noriyuki MIYAMOTO

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

RECORDED: 02/05/2001

PATENT

REEL: 011502 FRAME: 0731