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RECORDATION

04-18-2003

S. DEPARTMENT OF COMMERCE Patent and Trademark Office

4-16-03

102424205

To the Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof. 1. Name of conveying party(ies): 2. Name and address of receiving party(ies): Shaoping Li (March 26, 2003) Seagate Technology LLC Dean C. Palmer (March 26, 2003) Wenzhong Zhu (March 26, 2003) Taras G. Pokhil (March 26, 2003) 920 Disc Drive Lei Wang (March 26, 2003) Ned Tabat (March 26, 2003) Scotts Valley, California Richard P. Michel (March 26, 2003) 95067 David Kaiser (March 27, 2003) Additional name(s) of conveying party(ies) attached?

Yes

No Nature of conveyance: Assignment Merger Security Agreement Change of Name Other: Execution Date: See Above 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) 10/323507 Additional numbers attached?
Yes
No Name and address of party to whom correspondence concerning 6. Total number of applications and patents involved: 1 document should be mailed: 7. Total fee (37 CFR 3.41): \$40.00 Name: Brian H. Batzli Enclosed Address: Merchant & Gould P.C. Authorized to be charged to deposit account P.O. Box 2903 Minneapolis, MN 55402-0903 8. Please charge any additional fees or credit any overpayments to our Deposit account number: 13-2725 DO NOT USE THIS SPACE 9. Statement and signature: To the best of my knowledge and belief, the foregoing information is true and sorrect and any attached copy is a true copy of the original document. Brian H. Batzli April 10, 2003 Name of Person Signing Signature Date Total number of pages including cover sheet, attachments, and document: 7 Do not detach this portion Mail documents to be recorded with required cover sheet information to: **Box Assignments** Director - U.S. Patent and Trademark Office Washington, D.C. 20231 Public burden reporting for this sample cover sheet is estimated to average about 30 minutes per document to be recorded, including time for reviewing the document and gathering the data needed, and completing and reviewing the sample cover sheet. Send comments regarding this burden estimate to the U.S. Patent and Trademark Office, Office of information systems, PK2-1000C, Washington, D.C. 20231, and to the Office of Management and Budget, Paperwork Reduction Project (0651-0011), Washington, D.C. 20503. 04/17/2003 DBYRNE 00000078 10323507 40.00 OP 01 FC:8021

ASSIGNMENT

WHEREAS, we, Shaoping Li residing at 7600 Penn Ave. Apt 144, Richfield, MN, Wenzhong Zhu, residing at 78th Street Apt. 201, Richfield, MN, Lei Wang, residing at 14298 Footbridge Way, Apple Valley, MN, Rick Michel, residing at 4153 Aldrich Ave. S., Minneapolis, MN, David Kaiser, residing at 143rd St. Ct., Apple Valley, MN and Dean C. Palmer, residing at 2405 Sheridan Ave. S., Minneapolis, MN, Taras G. Pokhil, residing at 1139 Pleasant Circle, Arden Hills, MN, Ned Tabat, residing at 772 Lake Point Drive, Chanhassen, MN are the inventors of an invention entitled NOVEL RETURN POLE DESIGNS FOR PERPENDICULAR WRITER TO SUPPRESSING SPURIOUS SIDE-WRITING that is the subject matter of a provisional application for Letters Patent which is identifiable in the United States Patent and Trademark Office by Serial No., filed an application for Letters Patent, the application having been executed on even date herewith, and/or being identifiable in the United States Patent and Trademark Office by Serial No. 10/323507, filed December 18, 2002; and an international application for Letters Patent filed pursuant to the Patent Cooperation Treaty which is identifiable in the United States Receiving office by Application No. , filed on ; and

WHEREAS, Seagate Technology LLC, a limited liability company organized and existing under and by virtue of the laws of the State of Delaware and the United States of America, and having offices at 920 Disc Drive, Scotts Valley, California 95067 (hereinafter "Assignee"), is desirous of acquiring the entire right, title and interest in and to the invention, the applications, and any and all Letters Patent or similar foreign or domestic legal protection;

NOW THEREFORE, for good and valuable consideration, the receipt and adequacy of which is hereby acknowledged, we transfer to Assignee, its successors and assigns, our entire right, title and interest in and to the invention, the above-identified applications, all provisional applications from which any of the above-identified applications claim priority, corresponding domestic and foreign applications, any continuation, division, renewal, or substitute for the applications, all Letters Patent, any reissue, re-examination, or similar legal protection issuing related to the Letters Patent, and all rights and benefits under any applicable treaty or convention;

and we authorize the Director of the United States Patent and Trademark Office or foreign equivalent to issue the Letters Patent or similar legal protection to the Assignee.

We authorize the Assignee, its successors and assigns, to insert in this instrument the filing date(s) and serial numbers of the application when ascertained. We further authorize the Assignee, its successors and assigns, or anyone it may properly designate, to apply for Letters Patent or similar legal protection, in its own name if desired, in any and all foreign countries and appoint Assignee the common representative in the above-identified international application and any international application for the invention.

We represent to the Assignee, its successors and assigns, that we have not and shall not execute any writing or do any act whatsoever conflicting with this Assignment. We and our executors or administrators will at any time upon request, without additional consideration, but at the expense of the Assignee, its successors and assigns, execute and deliver to Assignee or its legal representatives such additional writings and do such additional acts as the Assignee, its successors and assigns, may deem desirable to perfect its enjoyment of this grant, and render all assistance in making application for and obtaining, maintaining, and enforcing the letters Patent or similar legal protection on the invention in any and all countries, including without limitation providing testimony in any related interference litigation or proceeding.

	IN TESTIMONY W	VHEREOF, I ha	ve hereunto set r	ny hand this 26	day of	
March	, 20 % 3.					
			Shao	ping h	1	
		Sh	aoping Li			
STATE OF M	LINNESOTA)				
COUNTY OF	DAKOTA) ss.)				
					s. C	
	On this 26 day	of MARCH	, 20 <u>03,</u> befo	ore me personally	appeared Ladislav	,
Pust to me kno	own and known to me	to be the person	described in an	d who executed th	he foregoing	
instrument, an	d he duly acknowledg	ed to me that he	executed the sa	me for the uses at	nd purposes therein	
set forth.					.	

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[SEAL]

EAT THE LA A. THAMTHUN STATE OF THE PROPERTY O

Marcia a. Ramshuw

IN TESTIMONY WHEREOF, I have hereunto set my hand this 26th day of
March , 2003.
38
Wenzhong Zhu
STATE OF MINNESOTA)) ss. COUNTY OF DAKOTA)
COUNTY OF DAKOTA)
w. zhu On this 26 day of MALCH, 20 03 before me personally appeared Declan
Marken to me known and known to me to be the person described in and who executed the foregoing
instrument, and he duly acknowledged to me that he executed the same for the uses and purposes therein
set forth.
$O \rightarrow O$
[SEAL] WARREST TO STAND TO STAND TO STAND THE STAND TO STAND THE STAND TO STAND TO STAND THE STAND TO STAND THE STAND TO STAND THE STAND TO STAND THE STAND
IN TESTIMONY WHEREOF, I have hereunto set my hand this 76+4 day of
March, 2003.
Lei Wang
STATE OF MINNESOTA)
STATE OF MINNESO 74)) ss. COUNTY OF DAKO 74)
On this <u>26</u> day of <u>MARCH</u> , 2003, before me personally appeared Mark T.
Kief to me known and known to me to be the person described in and who executed the foregoing
instrument, and he duly acknowledged to me that he executed the same for the uses and purposes therein
set forth.
Boat in a Rangelland
[SEAL] Motary Public Notary Public
Service of the BANTIMAN &

IN TESTIMONY WHEREOF,	I have hereunto set my hand this 24 day of
March, 2003.	Rick Michel
STATE OF <u>MINNESOTA</u>) COUNTY OF <u>DAKOTA</u>)	Richard P Michel
On this <u>26</u> day of MAR	., 2003, before me personally appeared Yifan
Zhang to me known and known to me to be the	person described in and who executed the foregoing
instrument, and he duly acknowledged to me the set forth.	at he executed the same for the uses and purposes therein
[SEAL]	Marcis a Ram Hur Notary Public
March in Testimony whereof, 20 03.	I have hereunto set my hand this day of
	David Kaiser
	David Kaiser
STATE OF MINNESOTA) ss.	
COUNTY OF DAKOTA)	
On this 27 day of MAA	LCH, 2003, before me personally appeared
Venkateswara Inturi to me known and known to	me to be the person described in and who executed the
foregoing instrument, and he duly acknowledge	d to me that he executed the same for the uses and
purposes therein set forth.	
[SEAL]	Marcia a. Ramkhua Notary Public
A. RAMTHUN (BLIC-MINNESOTA IN EXP.RES 1-31-2005	

IN TESTIMONY WHEREOF, I have hereunto set my hand this 26 day of March, 2003.
Dean C. Palmer
STATE OF MINNESOTA)) ss. COUNTY OF DAKOTA)
On this _ 26 day of MARCH, 2003, before me personally appeared Richard
Paul Larson to me known and known to me to be the person described in and who executed the foregoing
instrument, and he duly acknowledged to me that he executed the same for the uses and purposes therein
set forth.
[SEAL] AND ANTHON OF THE STATE
IN TESTIMONY WHEREOF, I have hereunto set my hand this 26 day of March, 2003.
Taras O. Pokhil STATE OF M. NNESTA) COUNTY OF HENNEPIN)
On this 26 H day of 1/1 RCH, 2003, before me personally appeared Richard TO
Paul Larson to me known and known to me to be the person described in and who executed the foregoing
instrument, and he duly acknowledged to me that he executed the same for the uses and purposes therein
set forth.
TEDDY COPLEY NOTARY PUBLIC - MINNESOTA Ny Commission Expires Jan 31 2009

My Commission Expires Jan. 31, 2005

IN TESTIMONY WHEREOF, I have hereunto set my hand this day of
STATE OF MINNESOTA) ss.
COUNTY OF DAKOTA)
On this 26 day of MARCH, 2003 before me personally appeared Richard
Paul Larson to me known and known to me to be the person described in and who executed the foregoing
instrument, and he duly acknowledged to me that he executed the same for the uses and purposes therein
set forth.
[SEAL] Marcie a. Ramthun Notary Public
MARCIA A RAMTHUN SALESTA SALES