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11-12-2003

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102597671

To the Commissioner of Patents and Trademarks: Please record the attached original documents of	or copy thereof.
1. Name of conveying party(ies):	2. Name and address of receiving party(ies):
Declan Macken Jeremy Adam Thurn Mallika Kamarajugadda Michael Christopher Kautzky	Seagate Technology LLC 920 Disc Drive Scotts Valley, California 95067
Additional name(s) of conveying party(ies) attached?	Additional name(s) & address(es) attached? Yes No
Execution Date: October 14, 2003; October 13, 2003; October 8, 2003; October 9, 2003	
4. Application number(s) or patent number(s):	7
If this document is being filed together with a new application, the	he execution date of the application is:
A. Patent Application No.(s)	B. Patent No.(s)
10/607,894	he execution date of the application is: B. Patent No.(s) Ched? □ Yes ☒ No
5. Name and address of party to whom correspondence concerning	
document should be mailed: Name: John R. Wahl, Esq. Address: Merchant & Gould P.C. P.O. Box 2903 Minneapolis, MN 55402-0903	7. Total fee (37 CFR 3.41): \$40.00 Enclosed Authorized to be charged to deposit account 8. Please charge any additional fees or credit any
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9. Statement and signature: To the best of my knowledge and belief, the foregoing information original document. John J. Gresens	November 4, 2003 Total number of pages including cover sheet, attachments, and document: 5
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PATENT REEL: 014667 FRAME: 0952

ASSIGNMENT

WHEREAS, we, Declan Macken, residing at 14572 Rosewood Road N.E., Prior Lake, Minnesota 55372; Jeremy Adam Thurn, residing at 4158 Rahn Road #5, Eagan, Minnesota 55122; Mallika Kamarajugadda, residing at 5220 Lincoln Drive #327, Edina, Minnesota 55436, and Michael Christopher Kautzky, residing at 4143 Cashell Glen, Eagan, Minnesota 55122 are the inventors of an invention entitled NEGATIVE THERMAL EXPANSION DIELECTRICS FOR THERMAL POLE TIP PROTRUSION COMPENSATION 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. 60/419,924, filed October 21, 2002;
 ☑ 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. 10/607,894, filed June 27, 2003; 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.

PATENT REEL: 014667 FRAME: 0953

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.

120 121 Williams Time increasing mand this 14 CK day of	IN TESTIMONY WHEREOF,	I have hereunto	set my hand	l this <u>[</u>	4th	day of
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October, 2003.

STATE OF <u>Minnesofa</u>)
ss:
COUNTY OF <u>Hennepin</u>)

On this 14th day of October, 2003, before me personally appeared Declan Macken to me known to be the person described in, and who executed the foregoing instrument, and acknowledged to me that he/she executed the same for the uses and purposes therein set forth.

[SEAL]

DITECTO (ON WHICH FOR III. 1)				
IN TESTIMONY WHEREOF, I have hereunto set my hand this 13 day of				
October, 2003. Jereny Adam Thurn				
STATE OF Minnesofa) ss: COUNTY OF Levrepin				
COUNTY OF Lemepin)				
On this 13th day of Ottober, 2003, before me personally appeared Jeremy Adam				
Thurn to me known to be the person described in, and who executed the foregoing instrument,				
and acknowledged to me that he/she executed the same for the uses and purposes therein set				
forth.				
[SEAL] MARCELLA M. MARKUSON MOTARY PUBLIC - MINNESOTA DAKOTA COUNTY My Comm. Expires Jan. 31, 2005				
IN TESTIMONY WHEREOF, I have hereunto set my hand this day of, 2003.				
Mall				
STATE OF Mallika Kamarajugadda				
COUNTY OF HENNEP, N)				
On this GTH day of Dorosel, 2003, before me personally appeared Mallika				
Kamarajugadda to me known to be the person described in, and who executed the foregoing				
instrument, and acknowledged to me that he/she executed the same for the uses and purposes				
therein set forth.				
[SEAL] Notary Public				

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NOTARY PUBLIC - MINNESOTA
My Commission Expires Jan. 31, 2005

IN TESTIMONY WHEREOF, I ha	we hereunto set my hand this 9^{H} day of
October , 2003.	<u></u>
	Michael Christopher Kantzley Michael Christopher Kautzky
	Michael Christopher Kautzky
STATE OF MINNESOTA)	
)ss:	
STATE OF MINNES OTA) (STATE OF HENNES OTA) (STATE OF HENNES OTA)	
On this 9th day of Ocrober 2	003, before me personally appeared Michael
Christopher Kautzky to me known to be th	e person described in, and who executed the
foregoing instrument, and acknowledged to	me that he/she executed the same for the uses and
purposes therein set forth.	
• •	Notary Public Glas
[SEAL]	Notary Public / /
	• /

RECORDED: 11/07/2003