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11275 U.S. PTO
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1. Name of conveying party(ies)/Execution Date(s):

William A. Challener
Edward C. Gage
Tim Rausch
Christophe Mihalcea
Keith Mountfield
12/14/04; 12/17/04; 12/21/04;

Execution Date(s) 01/10/05; & 12/15/04

Additional name(s) of conveying party(ies) attached? Yes No

2. Name and address of receiving party(ies)

Name: Seagate Technology LLC

Internal Address: _____

Street Address: 920 Disc Drive

City: Scotts Valley

State: CA

Country: U.S.A. Zip: 95066

Additional name(s) & address(es) attached? Yes No

3. Nature of conveyance:

- Assignment Merger
- Security Agreement Change of Name
- Government Interest Assignment
- Executive Order 9424, Confirmatory License
- Other _____

4. Application or patent number(s):

This document is being filed together with a new application.

A. Patent Application No.(s)

B. Patent No.(s)

Additional numbers attached? Yes No

5. Name and address to whom correspondence concerning document should be mailed:

Name: Benjamin T. Queen, II

Internal Address: Pietragallo, Bosick & Gordon

Street Address: One Oxford Centre, 38th Floor
301 Grant Street

City: Pittsburgh

State: PA Zip: 15219

Phone Number: 412 - 263-4360

Fax Number: 412 - 261-0915

Email Address: IPGROU@PBandG.com

6. Total number of applications and patents involved:

1

7. Total fee (37 CFR 1.21(h) & 3.41) \$ 40.00

- Authorized to be charged by credit card
- Authorized to be charged to deposit account
- Enclosed
- None required (government interest not affecting title)

8. Payment Information

a. Credit Card Last 4 Numbers _____
Expiration Date _____

b. Deposit Account Number 500859

Authorized User Name Benjamin T. Queen, II

9. Signature:

01/10/2005

Date

Benjamin T. Queen, II

Name of Person Signing

Total number of pages including cover sheet, attachments, and documents: 4

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Mail Stop Assignment Recordation Services, Director of the USPTO, P.O.Box 1450, Alexandria, V.A. 22313-1450

01/26/2005 6T0N11 0000139 500859 11032277
01 FC:8021 40.00 DA

PATENT
REEL: 016179 FRAME: 0284

ASSIGNMENT

Attorney Docket No. : SEAG 65492
Seagate Docket No. : STL 12034

WHEREAS, we, WILLIAM A. CHALLENGER of 104 Witherow Road, Sewickley, PA 15143 U.S.A., a citizen of the United States of America; EDWARD C. GAGE of 405 Wild Cherry Ct., Mars, PA 16046 U.S.A., a citizen of the United States of America; TIM RAUSCH of 2467 Lakemont Road, Gibsonia, PA 15044 U.S.A., a citizen of Canada; CHRISTOPHE MIHALCEA of 129 St. Joseph Way, Pittsburgh, PA 15203 U.S.A., a citizen of Germany; and KEITH MOUNTFIELD of 4901 Cypress St., #3, Pittsburgh, PA 15224 U.S.A., a citizen of Canada, are the co-inventors of an invention entitled DIFFRACTION GRATING for which we have this day executed an application for Letters Patent; and

WHEREAS, Seagate Technology LLC, a limited liability company organized and existing under the laws of the State of Delaware and the United States of America, and having offices at 920 Disc Drive, Scotts Valley, California, 95066 USA, ("Assignee") is desirous of acquiring our 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, I/we transfer to Assignee, its successors and assigns, my/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 I/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.

I/We 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.

I/We represent to the Assignee, its successors and assigns, that I/we have not and shall not execute any writing or do any act whatsoever conflicting with this Assignment. I/We, my/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.

1.

William A. Challenger
WILLIAM A. CHALLENGER

Subscribed and sworn to before me at Allegheny County, a Notary Public, this 14th day of December, 2004.

Paula J. Watson
Notary Public

Notarial Seal
Paula J. Watson, Notary Public
City Of Pittsburgh, Allegheny County
My Commission Expires Feb. 22, 2006
Member, Pennsylvania Association Of Notaries

(SEAL)

2.

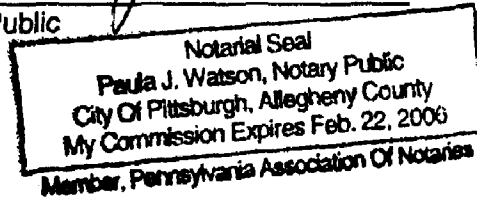
Edward C. Gage

EDWARD C. GAGE

Subscribed and sworn to before me at Allegheny County, a Notary Public, this 11th day of December, 2004.

Paula J. Watson

Notary Public



(SEAL)

Tim Rausch

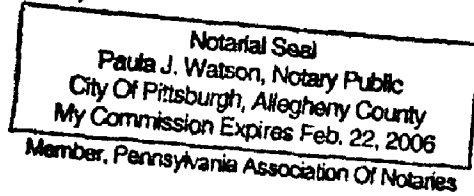
TIM RAUSCH

3.

Subscribed and sworn to before me at Allegheny County, a Notary Public, this 21st day of December, 2004.

Paula J. Watson

Notary Public



(SEAL)

4.

Christopher Mihalcea
CHRISTOPHE MIHALCEA

Subscribed and sworn to before me at Allegheny County, a Notary Public, this 10th day of January,
2004. 2005 (P)

(SEAL)

Paula J. Watson
Notary Public

Notarial Seal
Paula J. Watson, Notary Public
City Of Pittsburgh, Allegheny County
My Commission Expires Feb. 22, 2006
Member, Pennsylvania Association Of Notaries

5.

Keith Mountfield
KEITH MOUNTFIELD

Subscribed and sworn to before me at Allegheny County, a Notary Public, this 15th day of December,
2004.

(SEAL)

Paula J. Watson
Notary Public

Notarial Seal
Paula J. Watson, Notary Public
City Of Pittsburgh, Allegheny County
My Commission Expires Feb. 22, 2006
Member, Pennsylvania Association Of Notaries