

06-23-2005

Form PTO-1595 (Rev. 03/05)  
OMB No. 0651-0027 (exp. 6/30/2005)



U.S. DEPARTMENT OF COMMERCE  
United States Patent and Trademark Office

6/16/05

103026952  
PATENTS ONLY

To the Director of the U.S. Patent and Trademark Office: Please record the attached documents or the new address(es) below.

1. Name of conveying party(ies)

Wilson Massey Fish  
Bang Cong Nguyen  
Jack Allen Mobley

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. Zip: 95066

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

113211 U.S. PTO  
11/154307

061605

3. Nature of conveyance/Execution Date(s):

Execution Date(s) 6/15/05, 6/01/05, 6/15/05

- Assignment  Merger
- Security Agreement  Change of Name
- Joint Research Agreement
- 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: Robert P. Lenart

Internal Address: Pietragallo, Bosick & Gordon

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

City: Pittsburgh

State: PA Zip: 15219

Phone Number: 412-263-4399

Fax Number: 412-261-0915

Email Address: RPL@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 Robert P. Lenart

9. Signature:

*Robert P Lenart*  
Signature

06/16/2005

Date

Robert P. Lenart  
Name of Person Signing

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

Documents to be recorded (including cover sheet) should be faxed to (703) 306-5995, or mailed to:

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

06/22/2005 ECOOPER 00000220 500859 11154307

01 FC:8021

(40.00 DA)

PATENT  
REEL: 016704 FRAME: 0963

ASSIGNMENT

Attorney Docket No. : SEAG 69269  
Seagate Docket No. : STL 12382.00

WHEREAS, we, WILSON MASSEY FISH of 605 Coyote Court, Yukon, OK 73099 U.S.A., a citizen of the United States of America, BANG CONG NGUYEN of 5508 N.W., 106<sup>th</sup> Street, Oklahoma City, OK 73162 U.S.A., a citizen of the United States of America, and JACK ALLEN MOBLEY of 11301 Randwick Drive, Oklahoma City, OK 73162 U.S.A., a citizen of the United States of America, are the inventors of an invention entitled OSD DETERMINISTIC OBJECT FRAGMENTATION OPTIMIZATION IN A DISC DRIVE 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 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, 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.

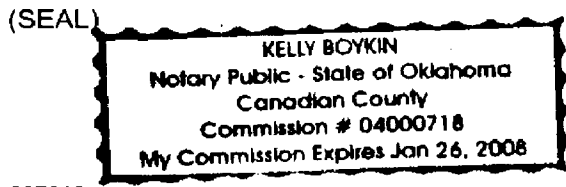
I/We authorize the Assignee, its successors and assigns, to insert in this instrument the filing date(s) and application numbers when ascertained. I/We further authorize the Assignee, its successors and assigns, or anyone it may properly designate, to apply for Letters Patent or similar legal protection, 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.

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.

*Wilson Massey Fish*  
WILSON MASSEY FISH

Subscribed and sworn to before me at Canadian County, a Notary Public, this 15 day of June, 2005.

*Kelly Boykin*  
Notary Public



**ASSIGNMENT**

Attorney Docket No. : SEAG 69269

Seagate Docket No. : STL 12382.00

WHEREAS, we, WILSON MASSEY FISH of 605 Coyote Court, Yukon, OK 73099 U.S.A., a citizen of the United States of America, BANG CONG NGUYEN of 955 East Riverbend Street, Superior, CO 80027 U.S.A., a citizen of the United States of America, and JACK ALLEN MOBLEY of 11301 Randwick Drive, Oklahoma City, OK 73162 U.S.A., a citizen of the United States of America, are the inventors of an invention entitled OSD DETERMINISTIC OBJECT FRAGMENTATION OPTIMIZATION IN A DISC DRIVE for which we have this day executed an application for Letters Patent; and

BN

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 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, 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, to insert in this instrument the filing date(s) and application numbers when ascertained. I/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.

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.

\_\_\_\_\_  
WILSON MASSEY FISH

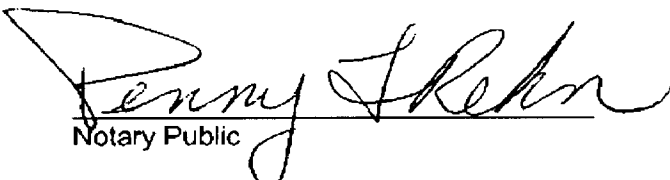
Subscribed and sworn to before me at \_\_\_\_\_, a Notary Public, this \_\_\_\_ day of \_\_\_\_\_, 2005.

\_\_\_\_\_  
Notary Public

(SEAL)

  
\_\_\_\_\_  
BANG CONG NGUYEN

Subscribed and sworn to before me at Boulder County, a Notary Public, this 1<sup>st</sup> day of June, 2005.

  
\_\_\_\_\_  
Notary Public  
My Commission Expires  
2/24/09

(SEAL)

\_\_\_\_\_  
JACK ALLEN MOBLEY

Subscribed and sworn to before me at \_\_\_\_\_, a Notary Public, this \_\_\_\_ day of \_\_\_\_\_, 2005.

\_\_\_\_\_  
Notary Public

(SEAL)

\_\_\_\_\_  
BANG CONG NGUYEN

Subscribed and sworn to before me at \_\_\_\_\_, a Notary Public, this \_\_\_\_ day of \_\_\_\_\_, 2005.

\_\_\_\_\_  
Notary Public

(SEAL)

*Jack Allen Mobley*  
\_\_\_\_\_  
JACK ALLEN MOBLEY

Subscribed and sworn to before me at Canadian County, a Notary Public, this 15 day of June, 2005.

*Kelly Boykin*  
\_\_\_\_\_  
Notary Public

(SEAL)

