

07-06-2005

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

RE

103034659  
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)

Robert Billings Church  
Sumit ChandraAdditional name(s) of conveying party(ies) attached? ☒ Yes ☐ No

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

Execution Date(s) 06/24/2005, 06/27/2005

- ☒ Assignment ☐ Merger  
☐ Security Agreement ☐ Change of Name  
☐ Joint Research Agreement  
☐ Government Interest Assignment  
☐ Executive Order 9424, Confirmatory License  
☐ Other \_\_\_\_\_

## 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: US Zip: 95066

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

## 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: Derek J. Berger, Seagate Technology LLC

Internal Address: \_\_\_\_\_

Street Address: Intellectual Property - COL2LGL  
389 Disc Drive

City: Longmont

State: CO Zip: 80503

Phone Number: 720 684-2265

Fax Number: 720 684-2588

Email Address: Derek.J.Berger@seagate.com

## 6. Total number of applications and patents involved: 1

## 7. Total fee (37 CFR 1.21(h) &amp; 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)

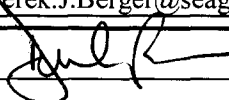
## 8. Payment Information

a. Credit Card Last 4 Numbers \_\_\_\_\_  
Expiration Date \_\_\_\_\_

b. Deposit Account Number 19-1038

Authorized User Name \_\_\_\_\_

## 9. Signature:



Signature

June 28, 2005  
Date

Derek J. Berger

Name of Person Signing

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

9

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

07/05/2005 EICOPER 00000239 191038 11168816

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PATENT  
REEL: 016736 FRAME: 0729

**ATTACHMENT FOR RECORDATION FORM COVER SHEET  
PATENTS ONLY (Form PTO-1595)**

**1. Name of conveying party(ies):**

Rory Stephan Goodman  
Serene JooKiang Low  
\_\_\_\_\_

MuChong Lim  
Ishak Sugeng Iskandar  
\_\_\_\_\_

Additional name(s) of conveying party(ies) attached?

☐ Yes ☒ No

**2. Name and address of receiving party(ies)**

Name: \_\_\_\_\_  
Internal Address: \_\_\_\_\_  
Street Address: \_\_\_\_\_  
City: \_\_\_\_\_ State: \_\_\_\_\_ ZIP: \_\_\_\_\_

**Name and address of receiving party(ies)**

Name: \_\_\_\_\_  
Internal Address: \_\_\_\_\_  
Street Address: \_\_\_\_\_  
City: \_\_\_\_\_ State: \_\_\_\_\_ ZIP: \_\_\_\_\_

Additional name(s) & address(es) attached?

☐ Yes ☒ No

**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: 06/28/05

**A. Patent Application No.(s)**

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**B. Patent No.(s)**

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Additional numbers attached?

☐ Yes ☒ No

# ASSIGNMENT

Seagate Docket No. :

STL12390

WHEREAS, I/we Robert Billings Church of 4639 Burgundy Ln., Boulder, CO 80301, Sumit Chandra of 3629 Sunflower Circle, Longmont, CO 80503, Rory Stephan Goodman of 5875 N. Orchard Creek Circle, Boulder, CO 80301, MuChong Lim, Blk 975, Hougang St 91 #11-236, Singapore, Serene JooKiang Low of Blk 861 Yishun Ave 4 #11-117, Singapore 760861, and Ishak Sugeng Iskandar of Blk 415 Ang Mo Kio Ave 10, #05-941, Singapore are the inventor(s) of an invention entitled Adaptive Control Of Head Velocity During Data Storage Device Startup that is the subject matter of: (check all that apply)

- ☐ a provisional application for Letters Patent which is identifiable in the United States Patent and Trademark Office by Application No. \_\_\_\_\_ filed on \_\_\_\_\_;
- ☒ an application for Letters Patent which is identifiable in the United States Patent and Trademark Office by Application No. \_\_\_\_\_ filed on \_\_\_\_\_ and/or executed on even date herewith: 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/or executed on even date herewith:

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;

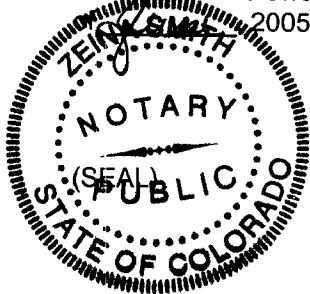
NOW, THEREFORE, for good and valuable consideration, the receipt and adequacy of which is hereby acknowledged, I/we transfer to Assignee, its successors and assigns, my/our entire right, title and interest in and to the invention, the above-identified applications, all provisional applications from which 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.

Robert B. Church  
Robert Billings Church (Inventor)

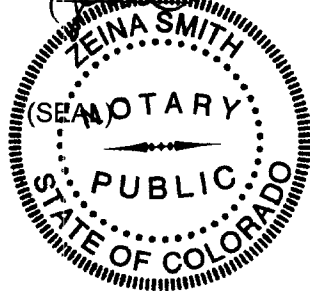
Subscribed and sworn to before me at Longmont, Colorado, a Notary Public, this 24<sup>th</sup> day of June, 2005.



Zeina Smith  
Notary Public

Sumit Chandra  
Sumit Chandra (Inventor)

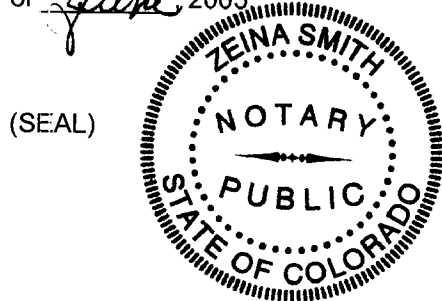
Subscribed and sworn to before me at Longmont, Colorado, a Notary Public, this 24<sup>th</sup> day of June, 2005.



Zeina Smith  
Notary Public

Rory Stephan Goodman  
Rory Stephan Goodman (Inventor)

Subscribed and sworn to before me at Longmont, Colorado, a Notary Public, this 24<sup>th</sup> day of June, 2005.



Zeina Smith  
Notary Public

\_\_\_\_\_  
MuChong Lim(Inventor)

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

\_\_\_\_\_  
Witness

\_\_\_\_\_  
Serene JooKiang Low (Inventor)

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

\_\_\_\_\_  
Witness

\_\_\_\_\_  
Ishak Sugeneg Iskandar (Inventor)

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

\_\_\_\_\_  
Witness

**ASSIGNMENT**

Seagate Docket No. :

STL12390

WHEREAS, I/we Robert Billings Church of 4639 Burgundy Ln., Boulder, CO 80301, Sumit Chandra of 3629 Sunflower Circle, Longmont, CO 80503, Rory Stephan Goodman of 5875 N. Orchard Creek Circle, Boulder, CO 80301, MuChong Lim, Blk 975, Hougang St 91 #11-236, Singapore, Serene JooKiang Low of Blk 861 Yishun Ave 4 #11-117, Singapore 760861, and Ishak Sugeng Iskandar of Blk 415 Ang Mo Kio Ave 10, #05-941, Singapore are the inventor(s) of an invention entitled Adaptive Control Of Head Velocity During Data Storage Device Startup that is the subject matter of: (check all that apply)

- ☐ a provisional application for Letters Patent which is identifiable in the United States Patent and Trademark Office by Application No. \_\_\_\_\_ filed on \_\_\_\_\_;
- ☒ an application for Letters Patent which is identifiable in the United States Patent and Trademark Office by Application No. \_\_\_\_\_ filed on \_\_\_\_\_ and/or executed on even date herewith: 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/or executed on even date herewith:

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.

*Cancelled a notary Public**Ishak S. Ishander*Robert Billings Church (Inventor)

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

Notary Public

(SEAL)

Sumit Chandra (Inventor)

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

Notary Public

(SEAL)

Rory Stephan Goodman (Inventor)

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

Notary Public

(SEAL)

MuChong Lim (Inventor)

Subscribed and sworn to before me at Seagate Technology (S'PORE), a ~~Notary Public~~, this 27 day  
of June, 2005.

WitnessCHEN TR H SINSerene Jookiang Low (Inventor)

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

Witness

U.S. Assignment Seagate Technology LLC

-2-

Rev. January 10, 2001

Robert Billings Church (Inventor)

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

Notary Public

(SEAL)

Sumit Chandra (Inventor)

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

Notary Public

(SEAL)

Rory Stephan Goodman (Inventor)

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of \_\_\_\_\_, 2005.

Notary Public

(SEAL)

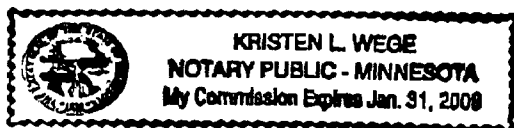
MuChong Lim(Inventor)

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

Witness

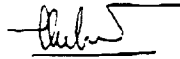
*Serene Low*  
Serene JooKiang Low (Inventor)

Subscribed and sworn to before me at *Seagate Technology*, a Notary Public, this *27* day  
of *June*, 2005.



*[Signature]*  
Witness

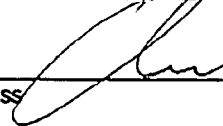




Ishak Sugeng Iskandar (Inventor)

Subscribed and sworn to before me at Seagate Technology - Singapore, a Notary Public, this 27<sup>th</sup> day  
of June, 2005.

Witness



CHEN TA HSIEN

U.S. Assignment Seagate Technology LLC

-3-

Rev. January 10, 2001

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RECORDED: 06/28/2005

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TOTAL P.02

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