

PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT																
NATURE OF CONVEYANCE:	ASSIGNMENT																
CONVEYING PARTY DATA																	
<table border="1"><thead><tr><th>Name</th><th>Execution Date</th></tr></thead><tbody><tr><td>Kang Hai Lim</td><td>05/03/2011</td></tr><tr><td>Chi Zhang</td><td>05/02/2011</td></tr><tr><td>Bi Qiang</td><td>05/04/2011</td></tr><tr><td>Yuheng Wang</td><td>05/04/2011</td></tr><tr><td>Choon W. Ng</td><td>05/04/2011</td></tr><tr><td>Mingzhong Ding</td><td>05/04/2011</td></tr><tr><td>KianKeong Ooi</td><td>05/04/2011</td></tr></tbody></table>		Name	Execution Date	Kang Hai Lim	05/03/2011	Chi Zhang	05/02/2011	Bi Qiang	05/04/2011	Yuheng Wang	05/04/2011	Choon W. Ng	05/04/2011	Mingzhong Ding	05/04/2011	KianKeong Ooi	05/04/2011
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<table border="1"><tr><td>Name:</td><td>Seagate Technology LLC</td></tr><tr><td>Street Address:</td><td>920 Disc Drive</td></tr><tr><td>City:</td><td>Scotts Valley</td></tr><tr><td>State/Country:</td><td>CALIFORNIA</td></tr><tr><td>Postal Code:</td><td>95066</td></tr></table>		Name:	Seagate Technology LLC	Street Address:	920 Disc Drive	City:	Scotts Valley	State/Country:	CALIFORNIA	Postal Code:	95066						
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PROPERTY NUMBERS Total: 1																	
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CORRESPONDENCE DATA																	
Fax Number: (952)854-2722 <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>																	
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Address Line 4: Minneapolis, MINNESOTA 55437																	
ATTORNEY DOCKET NUMBER:	STX.038.A1																

501523512

PATENT
REEL: 026239 FRAME: 0111

CH \$40.00 13102691

NAME OF SUBMITTER:

William B. Ashley

Total Attachments: 10

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PATENT

REEL: 026239 FRAME: 0112

ASSIGNMENT

Attorney Docket No.: STX.038.A1
Seagate Docket No.: STL16679.00US

WHEREAS, I/we Kang Hai Lim of Block 109A, Depot Road #08-85, Singapore 101109; Chi Zhang of Block 98, #11-293, Toa Payong, Lorong 1, Singapore 310098; Bi Qiang of 23 West Coast Crescent, #19-12, Singapore 128046; Yuheng Wang of Blk 687B, Woodlands Drive 75, #13-47, Singapore 732687; Choon W. Ng of 24, Canberra Drive, #13-10, Yishun Emerald, Singapore 768427; Mingzhong Ding of Blk 539, Bukit Batok St. 52, #12-581, Singapore 650539; KianKeong Ooi of Blk 55, Tampines Ave 1, #03-01, Singapore 529773, are the inventor(s) of an invention entitled DETERMINING MICROACTUATOR FAILURE IN A MULTI-STAGE TRACKING SYSTEM 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;

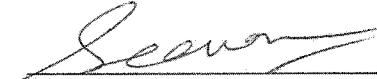
NOW, THEREFORE, for good and valuable consideration, the receipt and adequacy of which is hereby acknowledged, I/we transfer to Assignee, its successors and assigns, my/our entire right, title and interest in and to the invention, the above-identified applications, all provisional applications from which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


Kang Hai Lim

Subscribed and sworn to before me at Stephen Kuan, a witness, this 3rd day of May, 2011.


Witness

Chi Zhang


Subscribed and sworn to before me at _____, a witness, this ____ day of _____, 2011.

Witness


Bi Qiang


Subscribed and sworn to before me at _____, a witness, this ____ day of _____, 2011.

Witness

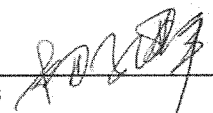

Yuheng Wang

Subscribed and sworn to before me at Lin Jian Yong, a witness, this 4th day of May, 2011.


Witness


Choon W. Ng

Subscribed and sworn to before me at YANG KONGRUX, a witness, this 4th day of May, 2011.


Witness

Mingzhong Ding

Subscribed and sworn to before me at _____, a witness, this ____ day of _____, 2011.

Witness

KianKeong Ooi

Subscribed and sworn to before me at Jessica Kuang, a witness, this 4 day of May, 2011.

Witness

ASSIGNMENT

Attorney Docket No.: STX.038.A1
Seagate Docket No. : STL16679.00US

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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.

Kang Hai Lim

Subscribed and sworn to before me at _____, a witness, this ____ day of _____, 2011.

Witness

~~~~~  
\_\_\_\_\_  
Chi Zhang

Subscribed and sworn to before me at Lingong Li, a witness, this 2nd day of May, 2011.

\_\_\_\_\_  
Lingong Li  
Witness

~~~~~  

Qiang Bi

Subscribed and sworn to before me at _____, a witness, this ____ day of _____, 2011.

Witness

~~~~~  
\_\_\_\_\_  
Yuheng Wang

Subscribed and sworn to before me at \_\_\_\_\_, a witness, this \_\_\_\_ day of \_\_\_\_\_, 2011.

\_\_\_\_\_  
Witness

~~~~~  

Choon Wei Ng

Subscribed and sworn to before me at _____, a witness, this ____ day of _____, 2011.

Witness

Mingzhong Ding

Subscribed and sworn to before me at _____, a witness, this ____ day of _____, 2011.

Witness

~~~~~

\_\_\_\_\_  
KianKeong Ooi

Subscribed and sworn to before me at \_\_\_\_\_, a witness, this \_\_\_\_ day of \_\_\_\_\_, 2011.

\_\_\_\_\_  
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## ASSIGNMENT

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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.

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Yuheng Wang

Subscribed and sworn to before me at \_\_\_\_\_, a witness, this \_\_\_\_ day of \_\_\_\_\_, 2011.

Witness

Choon W. Ng

Subscribed and sworn to before me at \_\_\_\_\_, a witness, this \_\_\_\_ day of \_\_\_\_\_, 2011.

Witness

Bi Qiang  
Bi Qiang (Inventor) MAY 04, 2011  
Date

State of MN

County of Scott

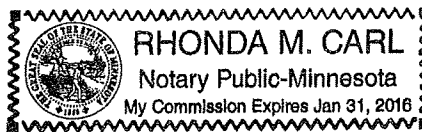
On May 4 - 2011 before me, Rhonda Carl  
(insert name and title of the officer)

personally appeared Bi Qiang (Inventor), who proved to me on the basis of satisfactory evidence to be the person whose name is subscribed to the within instrument and acknowledged to me that he/she executed the same in his/her authorized capacity, and that by his/her signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of MN that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

Signature Rhonda Carl (Seal)  
Signature of Notary Public



KianKeong Ooi

Subscribed and sworn to before me at \_\_\_\_\_, a witness, this \_\_\_\_ day of \_\_\_\_\_, 2011.

Kang Hai Lim

Subscribed and sworn to before me at \_\_\_\_\_, a witness, this \_\_\_\_ day of \_\_\_\_\_, 2011.

Witness

Chi Zhang

Subscribed and sworn to before me at \_\_\_\_\_, a witness, this \_\_\_\_ day of \_\_\_\_\_, 2011.

Witness

Mingzhong Ding (Inventor)

Date

May 24, 2011

State of MN

County of Scott

On May 4 - 2011 before me, Rhonda Carl  
(insert name and title of the officer)

personally appeared Mingzhong Ding (Inventor), who proved to me on the basis of satisfactory evidence to be the person whose name is subscribed to the within instrument and acknowledged to me that he/she executed the same in his/her authorized capacity, and that by his/her signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

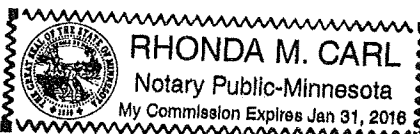
I certify under PENALTY OF PERJURY under the laws of the State of MN that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

Signature

Rhonda Carl  
Signature of Notary Public

(Seal)



\_\_\_\_\_  
Mingzhong Ding

Subscribed and sworn to before me at \_\_\_\_\_, a witness, this \_\_\_\_ day of \_\_\_\_\_, 2011.

\_\_\_\_\_  
Witness

~~~~~

KianKeong Ooi

Subscribed and sworn to before me at _____, a witness, this ____ day of _____, 2011.

Witness