

# PATENT ASSIGNMENT

Electronic Version v1.1  
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<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT														
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT														
<b>CONVEYING PARTY DATA</b>															
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 70%;">Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>Edward Charles Gage</td> <td>03/18/2011</td> </tr> <tr> <td>Lifu Zhou</td> <td>03/21/2011</td> </tr> <tr> <td>Michael Allen Seigler</td> <td>03/21/2011</td> </tr> <tr> <td>William Albert Challener</td> <td>04/02/2011</td> </tr> <tr> <td>James Dillon Kiely</td> <td>03/18/2011</td> </tr> <tr> <td>Kaizhong Gao</td> <td>03/18/2011</td> </tr> </tbody> </table>		Name	Execution Date	Edward Charles Gage	03/18/2011	Lifu Zhou	03/21/2011	Michael Allen Seigler	03/21/2011	William Albert Challener	04/02/2011	James Dillon Kiely	03/18/2011	Kaizhong Gao	03/18/2011
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<b>RECEIVING PARTY DATA</b>															
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 20%;"><b>Name:</b></td> <td>Seagate Technology LLC</td> </tr> <tr> <td><b>Street Address:</b></td> <td>920 Disc Drive</td> </tr> <tr> <td><b>City:</b></td> <td>Scotts Valley</td> </tr> <tr> <td><b>State/Country:</b></td> <td>CALIFORNIA</td> </tr> <tr> <td><b>Postal Code:</b></td> <td>95066</td> </tr> </table>		<b>Name:</b>	Seagate Technology LLC	<b>Street Address:</b>	920 Disc Drive	<b>City:</b>	Scotts Valley	<b>State/Country:</b>	CALIFORNIA	<b>Postal Code:</b>	95066				
<b>Name:</b>	Seagate Technology LLC														
<b>Street Address:</b>	920 Disc Drive														
<b>City:</b>	Scotts Valley														
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<b>Postal Code:</b>	95066														
<b>PROPERTY NUMBERS Total: 1</b>															
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<b>CORRESPONDENCE DATA</b>															
<p>Fax Number: (412)261-0915  <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i></p> <p>Phone: 412-263-2000        Email: IPGROUP@PIETRAGALLO.COM        Correspondent Name: PIETRAGALLO GORDON ALFANO BOSICK &amp; RASPA        Address Line 1: ONE OXFORD CENTRE, 38TH FLOOR        Address Line 2: 301 GRANT STREET        Address Line 4: PITTSBURGH, PENNSYLVANIA 15219-6404</p>															
<b>ATTORNEY DOCKET NUMBER:</b>	SEAG-88913														

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**PATENT**  
**REEL: 026116 FRAME: 0269**

NAME OF SUBMITTER:

Robert P. Lenart

**Total Attachments: 5**

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## ASSIGNMENT

Seagate Docket No. : STL 16398.00  
SEAG-88913

WHEREAS, I/we, EDWARD CHARLES GAGE of 5234 167<sup>th</sup> St. West, Lakeville, MN 55044 USA; LIFU ZHOU of 9565 Geisler Road, Eden Prairie, MN 55347 USA; MICHAEL ALLEN SEIGLER of 17591 Toft Cove, Eden Prairie, MN 55347 USA; WILLIAM ALBERT CHALLENGER of 1206 Arrowhead Drive N., Glenville, NY 12302 USA; JAMES DILLON KIELY of 7204 Lanham Lane, Edina, MN 55439 USA; and KAIZHONG GAO of 12350 Jasper Lane, Eden Prairie, MN 55347 USA, are the inventor(s) of an invention entitled SLIDER FOR HEAT ASSISTED MAGNETIC RECORDING INCLUDING A THERMAL SENSOR FOR MONITORING LASER POWER 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.

Edward Charles Gage  
EDWARD CHARLES GAGE (Inventor)  
March 18, 2011  
Date

State of MN

County of Hennepin

On March 18, 2011 before me, Melissa Zarns, Notary Public  
(insert name and title of the officer)

personally appeared EDWARD CHARLES GAGE (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 a that the foregoing  
paragraph is true and correct.

WITNESS my hand and official seal.

Signature

Melissa Zarns

Signature of Notary Public

(Seal)



LIFU ZHOU (Inventor)

Date

03/21/2011

State of MN

County of Hennepin

On March 21, 2011 before me, Melissa Zarns, Notary Public  
(insert name and title of the officer)

personally appeared LIFU ZHOU (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  
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paragraph is true and correct.

WITNESS my hand and official seal.

Signature

Melissa Zarns

Signature of Notary Public

(Seal)



Michael Allen Seigler  
MICHAEL ALLEN SEIGLER (Inventor)  
3-21-2011  
Date

State of MN

County of Hennepin

On March 21, 2011 before me, Melissa Zarns, Notary Public  
(insert name and title of the officer)

personally appeared MICHAEL ALLEN SEIGLER (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  
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WITNESS my hand and official seal.

Signature Melissa Zarns  
Signature of Notary Public

(Seal)



William Albert Challenger  
WILLIAM ALBERT CHALLENGER (Inventor)

Date

State of \_\_\_\_\_

County of \_\_\_\_\_

On \_\_\_\_\_ before me, \_\_\_\_\_  
(insert name and title of the officer)

personally appeared WILLIAM ALBERT CHALLENGER (Inventor),  
who proved to me on the basis of satisfactory evidence to be the person whose name is subscribed to the within  
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I certify under PENALTY OF PERJURY under the laws of the State of \_\_\_\_\_ a that the foregoing  
paragraph is true and correct.

WITNESS my hand and official seal.

Signature \_\_\_\_\_ (Seal)  
Signature of Notary Public

MICHAEL ALLEN SEIGLER (Inventor)

Date

State of \_\_\_\_\_

County of \_\_\_\_\_

On \_\_\_\_\_ before me, \_\_\_\_\_  
(insert name and title of the officer)

personally appeared MICHAEL ALLEN SEIGLER (Inventor),  
who proved to me on the basis of satisfactory evidence to be the person whose name is subscribed to the within  
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I certify under PENALTY OF PERJURY under the laws of the State of \_\_\_\_\_ a that the foregoing  
paragraph is true and correct.

WITNESS my hand and official seal.

Signature \_\_\_\_\_ (Seal)  
Signature of Notary Public

William A. Challenger  
WILLIAM ALBERT CHALLENGER (Inventor)  
Date April 2, 2011

State of New York  
County of Schenectady

On 2 April 2011 before me, William A. Challenger  
(insert name and title of the officer)

personally appeared WILLIAM ALBERT CHALLENGER (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 New York a that the foregoing  
paragraph is true and correct.

WITNESS my hand and official seal.

Signature Jamie L. Varrallo (Seal)  
Signature of Notary Public

Jamie L. Varrallo  
Notary Public, State of New York  
Qualified in Saratoga County  
No. 01VA6138395  
Commission Expires 12/19/13

4-DIC  
JAMES DILLON KIELY (Inventor)  
Date 3/18/11

State of MN

County of Hennepin

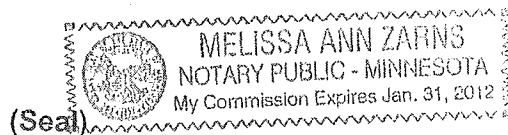
On March 18, 2011 before me, Melissa Zarns Notary Public  
(insert name and title of the officer)

personally appeared JAMES DILLON KIELY (Inventor),  
who proved to me on the basis of satisfactory evidence to be the person whose name is subscribed to the within  
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I certify under PENALTY OF PERJURY under the laws of the State of MN a that the foregoing  
paragraph is true and correct.

WITNESS my hand and official seal.

Signature Melissa Zarns  
Signature of Notary Public



KAIZHONG GAO (Inventor)  
Date 03/18/11

State of MN

County of Hennepin

On March 18, 2011 before me, Melissa Zarns, Notary Public  
(insert name and title of the officer)

personally appeared KAIZHONG GAO (Inventor),  
who proved to me on the basis of satisfactory evidence to be the person whose name is subscribed to the within  
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Signature Melissa Zarns  
Signature of Notary Public

