

PATENT ASSIGNMENT

Electronic Version v1.1
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| SUBMISSION TYPE: | NEW ASSIGNMENT | | | | | | | | | | |
|--|-------------------------------|---------------|----------------|---------------------|------------|---------------|------------|----------|------------|--------|------------|
| NATURE OF CONVEYANCE: | ASSIGNMENT | | | | | | | | | | |
| CONVEYING PARTY DATA | | | | | | | | | | | |
| <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>Craig Smith</td> <td>06/20/2007</td> </tr> <tr> <td>Stan Shepherd</td> <td>08/03/2007</td> </tr> <tr> <td>Xin Yang</td> <td>08/14/2007</td> </tr> <tr> <td>Yu Sun</td> <td>09/03/2007</td> </tr> </tbody> </table> | | Name | Execution Date | Craig Smith | 06/20/2007 | Stan Shepherd | 08/03/2007 | Xin Yang | 08/14/2007 | Yu Sun | 09/03/2007 |
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| Xin Yang | 08/14/2007 | | | | | | | | | | |
| Yu Sun | 09/03/2007 | | | | | | | | | | |
| RECEIVING PARTY DATA | | | | | | | | | | | |
| Name: | Seagate Technology LLC | | | | | | | | | | |
| Street Address: | 920 Disc Drive | | | | | | | | | | |
| City: | Scotts Valley | | | | | | | | | | |
| State/Country: | CALIFORNIA | | | | | | | | | | |
| Postal Code: | 95066 | | | | | | | | | | |
| PROPERTY NUMBERS Total: 1 | | | | | | | | | | | |
| <table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width:30%;">Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>11750839</td> </tr> </tbody> </table> | | Property Type | Number | Application Number: | 11750839 | | | | | | |
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| Application Number: | 11750839 | | | | | | | | | | |
| CORRESPONDENCE DATA | | | | | | | | | | | |
| Fax Number: | (310)557-8475 | | | | | | | | | | |
| <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i> | | | | | | | | | | | |
| Phone: | (310) 975-7965 | | | | | | | | | | |
| Email: | PTOMailLosAngeles@Foley.com | | | | | | | | | | |
| Correspondent Name: | Justin M. Sobaje | | | | | | | | | | |
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| Address Line 2: | Suite 3500 | | | | | | | | | | |
| Address Line 4: | Los Angeles, CALIFORNIA 90067 | | | | | | | | | | |
| ATTORNEY DOCKET NUMBER: | 07987.00 US (043886-0264) | | | | | | | | | | |
| NAME OF SUBMITTER: | Justin M. Sobaje | | | | | | | | | | |
| Total Attachments: 9 | | | | | | | | | | | |

OP \$40.00 11750839

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ASSIGNMENT

Seagate Docket No. :07987.00 US (043886-0264)

WHEREAS, I/we Craig Smith of 3089 Alexander Avenue, Santa Clara, California 95051, Stan Shepherd of 17020 Holiday Drive, Morgan Hill, California 95037, Xin Yang of 3545 Braxton Common, Fremont, California 94538, and Yu Sun of 3416 Stacey Way, Pleasanton, California 94588 are the inventor(s) of an invention entitled METHODS AND APPARATUSES FOR MEASURING VCM BEMF AT A VCM CONTROL UPDATE RATE that is the subject matter of: (check all that apply)

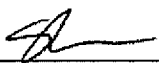
- a provisional application for Letters Patent which is identifiable in the United States Patent and Trademark Office by Application No. _____ filed on _____;
- an application for Letters Patent which is identifiable in the United States Patent and Trademark Office by Application No. 11/750,839 filed on May 18, 2007 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.

 6/20/2007
Craig Smith (Inventor)

Subscribed and sworn to before me at _____, a Notary Public, this ____ day
of _____, 2007.

(SEAL)

Notary Public

Stan Shepherd (Inventor)

Subscribed and sworn to before me at _____, a Notary Public, this ____ day
of _____, 2007.

(SEAL)

Notary Public

Xin Yang (Inventor)

Subscribed and sworn to before me at _____, a Notary Public, this ____ day
of _____, 2007.

(SEAL)

Notary Public

Yu Sun (Inventor)

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Craig Smith (Inventor)

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of _____, 2007.

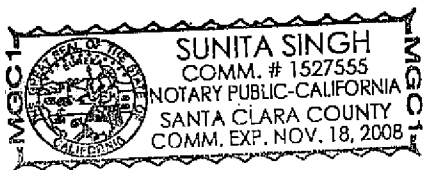
(SEAL)

Notary Public

Stan Shepherd (Stanley H Shepherd)
Stan Shepherd (Inventor)

Subscribed and sworn to before me at SANTA CLARA, CALIFORNIA, a Notary Public, this 3rd day
of Aug, 2007.

(SEAL)



[Signature]
Notary Public See below

Xin Yang (Inventor)

Subscribed and sworn to before me at _____, a Notary Public, this ____ day
of _____, 2007.

(SEAL)

Notary Public

Yu Sun (Inventor)

Subscribed and sworn to before me at _____, a Notary Public, this ____ day
of _____, 2007.

(SEAL)

Notary Public

State of California County of
SANTA CLARA

Subscribed and sworn to (or affirmed)
Before me on this 3rd day of Aug, 2007, by
STANLEY SHEPHERD
personally known to me or proved to me on
the basis of satisfactory evidence to be the
person(s) who appeared before me.

Signature [Signature]

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(SEAL)

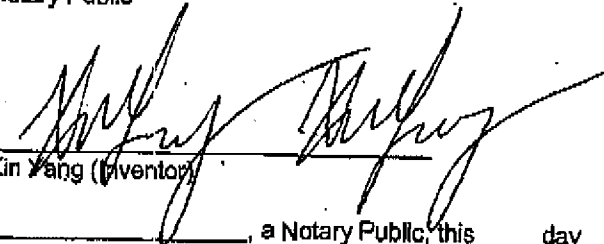
Notary Public

Stan Shepherd (Inventor)

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Xin Yang (Inventor)

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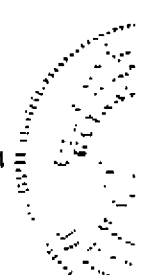
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CALIFORNIA JURAT WITH AFFIANT STATEMENT

- See Attached Document (Notary to cross out lines 1-6 below)
- See Statement Below (Lines 1-5 to be completed only by document signer[s], *not* Notary)

1 _____

2 _____

3 _____

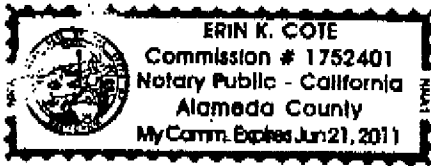
4 _____

5 _____

6 _____

Signature of Document Signer No. 1
Signature of Document Signer No. 2 (if any)

State of California }
 County of Alameda } ss.



Subscribed and sworn to (or affirmed) before me on this
14 day of August, 2007, by

(1) Xin Hua Yang
Date Month Year Name of Signer

- Personally known to me
- Proved to me on the basis of satisfactory evidence to be the person who appeared before me (.) X
(and

(2) _____
Name of Signer

- Personally known to me
- Proved to me on the basis of satisfactory evidence to be the person who appeared before me.)

[Signature]
Signature of Notary Public

Place Notary Seal Above

OPTIONAL

Though the information below is not required by law, it may prove valuable to persons relying on the document and could prevent fraudulent removal and reattachment of this form to another document.

Further Description of Any Attached Document

Title or Type of Document: Assignment

Document Date: N/A Number of Pages: 2

Signer(s) Other Than Named Above: Craig Smith, Stan Shepherd, Yu Sun

RIGHT THUMBPRINT OF SIGNER #1
 Top of thumb here

RIGHT THUMBPRINT OF SIGNER #2
 Top of thumb here

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Craig Smith (Inventor)

Subscribed and sworn to before me at _____, a Notary Public, this ____ day
of _____, 2007.

(SEAL)

Notary Public

Stan Shepherd (Inventor)

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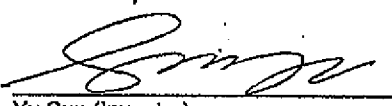
Xin Yang (Inventor)

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of Sept, 2007.

(SEAL)



Notary Public



Yu Sun (Inventor)

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of _____, 2007.

(SEAL)

Notary Public