

PATENT ASSIGNMENT

Electronic Version v1.1

Stylesheet Version v1.1

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>Eric Walter Singleton</td> <td>06/19/2013</td> </tr> <tr> <td>Antonia Tsoukatos</td> <td>06/19/2013</td> </tr> <tr> <td>Liwen Tan</td> <td>06/24/2013</td> </tr> <tr> <td>Jae-Young Yi</td> <td>07/15/2013</td> </tr> </tbody> </table>		Name	Execution Date	Eric Walter Singleton	06/19/2013	Antonia Tsoukatos	06/19/2013	Liwen Tan	06/24/2013	Jae-Young Yi	07/15/2013
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Eric Walter Singleton	06/19/2013										
Antonia Tsoukatos	06/19/2013										
Liwen Tan	06/24/2013										
Jae-Young Yi	07/15/2013										
RECEIVING PARTY DATA											
Name:	Seagate Technology LLC										
Street Address:	10200 South DeAnza Boulevard										
City:	Cupertino										
State/Country:	CALIFORNIA										
Postal Code:	95014										
PROPERTY NUMBERS Total: 1											
<table border="1"> <thead> <tr> <th>Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>13993166</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13993166						
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Application Number:	13993166										
CORRESPONDENCE DATA											
Fax Number:	9528542722										
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>											
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ATTORNEY DOCKET NUMBER:	STC.041.WUS										
NAME OF SUBMITTER:	Mark A. Hollingsworth										
Signature:	/Mark A. Hollingsworth/										

PATENT

Date:

07/29/2013

Total Attachments: 4

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J-Y: 6/19/13 ASSIGNMENT
2731 Cougar Path MN
Prior Lake 55372

WHEREAS, we, Eric Walter Singleton of 3780 Marsh Point West, Maple Plain, MN 55359; Antonia Tsoukatos of 17626 67th Avenue North, Maple Grove, MN 55311; Liwen Tan of 1039 29th Avenue SE, Minneapolis, MN 55414; and Jae-Young Yi of ~~1802 Cardinal Drive, Shakopee, MN 55379~~, are the inventors of an invention entitled MAGNETIC SENSOR SEED LAYER WITH MAGNETIC AND NONMAGNETIC LAYERS 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. 131993166 filed on 6/11/2013 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 10200 South DeAnza Boulevard, Cupertino, California, 95014 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.

E-W Singleton

Eric Walter Singleton(Inventor)

6-19-2013

Date

State of MN)

County of Hennepin)

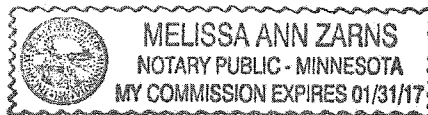
On June 19, 2013 before me, Melissa Zarns, Notary
(insert name and title of the officer)

personally appeared Eric Walter Singleton (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 Melissa Zarns (Seal)
Signature of Notary Public



Antonia Tsoukatos (Inventor)

Date

State of _____)

County of _____)

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

personally appeared Antonia Tsoukatos (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 _____ that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

Signature _____ (Seal)
Signature of Notary Public

Eric Walter Singleton(Inventor)

Date

State of _____)

County of _____)

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

personally appeared Eric Walter Singleton (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 _____ that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

Signature _____ (Seal)
Signature of Notary Public

Antonia Tsoukatos
Antonia Tsoukatos (Inventor) 6/19/13
Date

State of mn)

County of Scott)

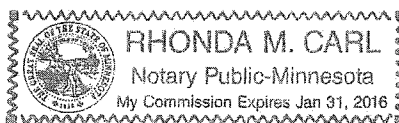
On 6-19-13 before me, Rhonda Carl
(insert name and title of the officer)

personally appeared Antonia Tsoukatos (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



Liwen Tan
Liwen Tan (Inventor) 06/24/2013
Date

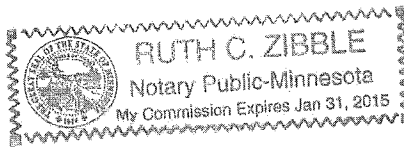
State of Minnesota
County of Hennepin
On June 24, 2013 before me, Ruth C. Zibble Notary
(insert name and title of the officer)

personally appeared Liwen Tan (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 Minnesota that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

Signature Ruth C. Zibble (Seal)
Signature of Notary Public



Jae-Young Yi
Jae-Young Yi (Inventor) 07-15-2013
Date

State of MN
County of Hennepin
On July 15, 2013 before me, Melissa Zarns Notary
(insert name and title of the officer)

personally appeared Jae-Young Yi (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 Melissa Zarns (Seal)
Signature of Notary Public

