

PATENT ASSIGNMENT COVER SHEET

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EPAS ID: PAT3272733

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
BIN LU	05/31/2011
QING HE	06/03/2011
MARK COVINGTON	06/03/2011
YUNHAO XU	05/31/2011
WEI TIAN	06/03/2011
RECEIVING PARTY DATA	
Name:	SEAGATE TECHNOLOGY LLC
Street Address:	10200 S. DEANZA BOULEVARD
City:	CUPERTINO
State/Country:	CALIFORNIA
Postal Code:	95014
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	14568645
CORRESPONDENCE DATA	
Fax Number:	(612)305-1228
<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.</i>	
Phone:	6123051005
Email:	dlagro@mrgiplaw.com
Correspondent Name:	ANNA M. NELSON
Address Line 1:	111 THIRD AVENUE SOUTH
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Address Line 4:	MINNEAPOLIS, MINNESOTA 55401
ATTORNEY DOCKET NUMBER:	430.16309011
NAME OF SUBMITTER:	ANNA M. NELSON
SIGNATURE:	/Anna M. Nelson/
DATE SIGNED:	03/19/2015
Total Attachments: 4	

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ASSIGNMENT

Seagate Docket No. :

STL 16309

WHEREAS, I/we Bin Lu of 1186 Bellingham Square, San Ramon, CA 94582 and Qing He of 3845 Black Oaks Lane North, Plymouth, MN 55446 and Mark Covington of 5916 Abbott Avenue South, Edina, MN 55410 and Yunhao Xu of 4737 Valpey Park Avenue, Fremont, CA 94538 and Wei Tian of 4101 West 98th Street, Apt. 202, Bloomington, MN 55437, are the inventor(s) of an invention entitled **TUNNELING MAGNETO-RESISTIVE SENSORS WITH BUFFER 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. 13/152,860 filed on June 3, 2011 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.

[Signature]

Bin Lu 5-31-2011
Date

State of CALIFORNIA

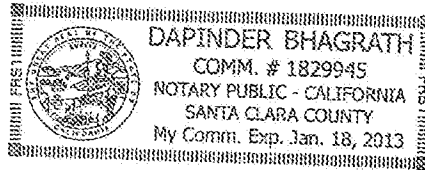
County of ALAMEDA

On MAY 31, 2011 before me, DAPINDER BHAGRATH, NOTARY PUBLIC
(insert name and title of the officer)

personally appeared BIN LU (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 CALIFORNIA that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.



Signature [Signature] (Seal)
Signature of Notary Public

[Signature]
Qing He 6/03/2011
Date

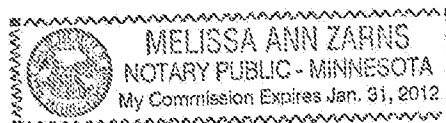
State of MN
County of Hennepin

On June 3, 2011 before me, Melissa Zarns, Notary
(insert name and title of the officer)

personally appeared QING HE (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]

Signature _____ (Seal)
Signature of Notary Public


Mark Covington
Date 6/3/11

State of MN

County of Hennepin

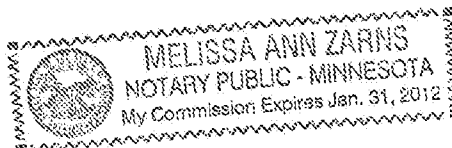
On June 3, 2011 before me, Melissa Zarns, Notary
(insert name and title of the officer)


personally appeared MARK COVINGTON (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




Yunhao Xu
Date 5/31/2011

State of CALIFORNIA

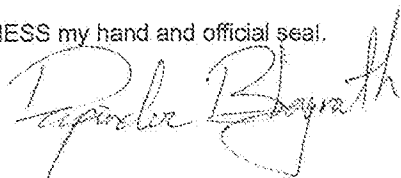
County of ALAMEDA

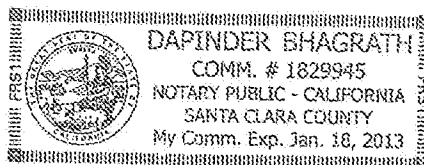
On May 31st, 2011 before me, DAPINDER BHAGRATH, Notary Public
(insert name and title of the officer)

personally appeared YUNHAO XU (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 CALIFORNIA that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.





Wei Tian
Date 06/03/2011

State of MN
County of Hennepin

On June 3, 2011 before me, Melissa Zarns, Notary
(insert name and title of the officer)

personally appeared WEI TIAN (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

