

PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
Zheng Gao	02/03/2006
Brian W. Karr	02/06/2006
Song Xue	02/08/2006
Eric L. Granstrom	02/07/2006
Khuong T. Tran	02/07/2006
Yi X. Li	02/07/2006
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	
Property Type	Number
Application Number:	12816967
CORRESPONDENCE DATA	
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<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>	
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Address Line 4:	Minneapolis, MINNESOTA 55415
ATTORNEY DOCKET NUMBER:	S895.12-123

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**PATENT
 REEL: 024546 FRAME: 0061**

NAME OF SUBMITTER:

David R. Fairbairn

Total Attachments: 4

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ASSIGNMENT

Attorney Docket No. : S895.12-0019

Seagate Docket No. : STL 13005.00

WHEREAS, we Zheng Gao, of Savage, Minnesota, U.S.A., Brian W. Karr, of Savage, Minnesota, U.S.A., Song Xue, of Edina, Minnesota, U.S.A., Eric L. Granstrom, of Golden Valley, Minnesota, U.S.A., Khuong T. Tran, of Fridley, Minnesota, U.S.A., and Yi X. Li of Savage, Minnesota, U.S.A., are the inventor(s) of an invention entitled MAGNETIC SENSING DEVICE INCLUDING A SENSE ENHANCING LAYER 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 has been executed on even date herewith and/or is identifiable in the United States Patent and Trademark Office by Application No. 11/305,778 filed on December 16, 2005; 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

WHEREAS, Seagate Technology LLC, a Delaware limited liability corporation 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, we transfer to Assignee, its successors and assigns, 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 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.

We authorize the Assignee, its successors and assigns, to insert in this instrument the filing date(s) and application numbers when ascertained. 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.

We represent to the Assignee, its successors and assigns, that we have not and shall not execute any writing or do any act whatsoever conflicting with this Assignment. We, 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.

IN TESTIMONY WHEREOF, I have hereunto set my hand this 3 day of Feb, 2006

Zheng Gao
Zheng Gao

STATE OF MINNESOTA)
)ss.
COUNTY OF DAKOTA)

On this 3 day of FEBRUARY, 2006, before me personally appeared ZHENG GAO to me known to be identified herein, and who executed the foregoing instrument, and acknowledged to me that he/she executed the same for the uses and purposes herein set forth.

Marcia A. Ramthun
Notary Public



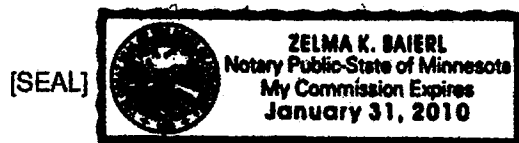
IN TESTIMONY WHEREOF, I have hereunto set my hand this 6 day of Feb, 2006.

Brian W. Karr
Brian W. Karr

STATE OF Minnesota)
)ss.
COUNTY OF Hennepin)

On this 6th day of February, 2006 before me personally appeared Brian Karr to me known to be identified herein, and who executed the foregoing instrument, and acknowledged to me that he/she executed the same for the uses and purposes herein set forth.

Zelma K. Baiert
Notary Public

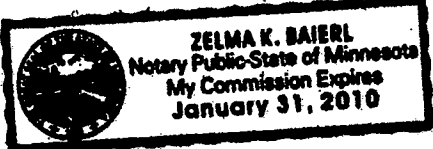


IN TESTIMONY WHEREOF, I have hereunto set my hand this 8th day of February, 2006.

[Signature]
Song Xue

STATE OF Minnesota)
)ss.
COUNTY OF Hennepin)

On this 8th day of February, 2006 before me personally appeared Song Xue to me known to be identified herein, and who executed the foregoing instrument, and acknowledged to me that he/she executed the same for the uses and purposes herein set forth.

[SEAL]  ZELMA K. BAIERT
Notary Public-State of Minnesota
My Commission Expires
January 31, 2010


Zelma K Baiert
Notary Public

IN TESTIMONY WHEREOF, I have hereunto set my hand this 7th day of February, 2006

[Signature]
Eric L. Granstrom

STATE OF Minnesota)
)ss.
COUNTY OF Hennepin)

On this 7th day of February, 2006 before me personally appeared Eric Granstrom to me known to be identified herein, and who executed the foregoing instrument, and acknowledged to me that he/she executed the same for the uses and purposes herein set forth.

[SEAL]  ZELMA K. BAIERT
Notary Public-State of Minnesota
My Commission Expires
January 31, 2010

Zelma K Baiert
Notary Public

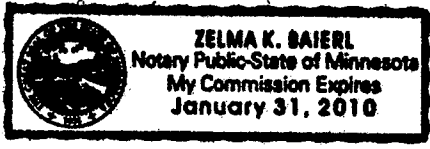
IN TESTIMONY WHEREOF, I have hereunto set my hand this 7th day of February, 2006

[Signature]
Khuong T. Tran

STATE OF Minnesota)
)ss.
COUNTY OF Hennepin)

On this 7th day of February, 2006 before me personally appeared Khuong Tran to me known to be identified herein, and who executed the foregoing instrument, and acknowledged to me that he/she executed the same for the uses and purposes herein set forth.

[SEAL]



Zelma K Baiert
Notary Public

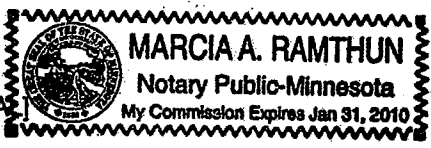
IN TESTIMONY WHEREOF, I have hereunto set my hand this 7th day of Feb, 2006

[Signature]
YI X. LI

STATE OF MINNE SOTA)
)ss.
COUNTY OF DAKOTA)

On this 7th day of FEBRUARY, 2006, before me personally appeared YI X. LI to me known to be identified herein, and who executed the foregoing instrument, and acknowledged to me that he/she executed the same for the uses and purposes herein set forth.

[SEAL]



Marcia A. Ramthun
Notary Public