PATENT ASSIGNMENT

Electronic Version v1.1 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
Lin Zhou	05/09/2011
Huazhou Lou	05/13/2011
Dongming Liu	05/13/2011
Vincent B. Engelkes	05/13/2011

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:	13117969

CORRESPONDENCE DATA

Fax Number: (405)232-9659

Correspondence will be sent via US Mail when the fax attempt is unsuccessful.

Phone: 405 232 0621

Email: rmccarthy@fellerssnider.com

Correspondent Name: Fellers, Snider, et al.

Address Line 1: 100 North Broadway, Suite 1700

Address Line 4: Oklahoma City, OKLAHOMA 73102-8820

ATTORNEY DOCKET NUMBER: STL16747

NAME OF SUBMITTER: Randall K. McCarthy

Total Attachments: 3

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> PATENT REEL: 026355 FRAME: 0601

OF \$40.00 1311/963

ASSIGNMENT

Seagate Docket No.: STL16747

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.

Rev: 03-07-2011

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	Lin Zhou (Inventor) 5/9/2011
State of $\mathcal{M}_{\mathcal{N}}$	Date
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personally appeared	
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WITNESS my hand and official seal.	MICHELLE KOLLASCH NOTARY PUBLIC - MINNESOTA My Commission Expires Jan. 31, 2016
Signature Of Notary Public (Seal)	
~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	Huazhou Lou (Inventor) 5/13/11
State of MN	Date
county of Hennepin  On May 13, 2011 before me, (ir	ne M. Chapman sert name and title of the officer)
	(Inventor), who proved to me on the subscribed to the within instrument and acknowledged to me and that by his/her signature on the instrument the person, or
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Signature M. Magnau (Seal) Signature of Notary Public	DIANE M. CHAPMAN Notary Public Minnesota My Commission Expires Jan. 31, 2013

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- U.S. Assignment - Seagate Technology LLC

Rev: 03-07-2011

	Kyrymy Tra-
	Dongring Liu (Inventor)
State of)	Date Date
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Signature of Notary Public	
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'	/incent B. Engelkes (Inventor)
	/incent B. Engelkes (Inventor)
State of)	Vincent B. Engelkes (Inventor) Date
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PATENT REEL: 026355 FRAME: 0604

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RECORDED: 05/27/2011

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