## PATENT ASSIGNMENT

# Electronic Version v1.1 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

#### **CONVEYING PARTY DATA**

Name	Execution Date
Mourad Benakli	08/09/2013
Kirill Aleksandrovich Rivkin	09/03/2013
Zhe Shen	09/04/2013
Jiaoming Qui	08/19/2013
Huaqing Yin	09/03/2013

#### **RECEIVING PARTY DATA**

Name:	Seagate Technology LLC	
Street Address:	10200 South DeAnza Boulevard	
City:	Cupertino	
State/Country:	ate/Country: CALIFORNIA	
Postal Code:	95014	

## PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	13961672

### **CORRESPONDENCE DATA**

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ATTORNEY DOCKET NUMBER:	STB.112.I1
NAME OF SUBMITTER:	William B. Ashley
	PATENT

REEL: 031216 FRAME: 0423

Signature:	/William B. Ashley/
Date:	09/16/2013
	This document serves as an Oath/Declaration (37 CFR 1.63).
Total Attachments: 4 source=DEC-STB112I1#page1.tif source=DEC-STB112I1#page2.tif source=DEC-STB112I1#page3.tif source=DEC-STB112I1#page4.tif	

PATENT REEL: 031216 FRAME: 0424

Attorney Docket No.: STB.112.I1 Seagate Docket No.: STL17936.00US

#### COMBINED DECLARATION AND ASSIGNMENT

WHEREAS, Mourad Benakli of 15224 Buchanan Court, Eden Prairie, MN 55344; Kirill Aleksandrovich Rivkin of

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 S. De Anza Blvd, Cupertino, CA 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 transfer to Assignee, its successors and assigns, my 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 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 authorize the Assignee, its successors and assigns, to insert in this instrument the filing date(s) and application numbers when ascertained. I 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 represent to the Assignee, its successors and assigns, that I have not and shall not execute any writing or do any act whatsoever conflicting with this Assignment. I, my 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.

The above-identified application was made or authorized to be made by me. I believe that I am the original inventor or an original joint inventor of a claimed invention in the application. I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine or imprisonment of not more than five (5) years, or both. I hereby state that I have reviewed and understand the contents of the above identified application, including the claims, as amended by any amendment specifically referred to above. I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR 1.56, including for continuation-in-part applications, material information which became available between the filing date of the prior application and the national or PCT international filing date of the continuation-in-part application.

Attorney Docket No.: STB.112.I1 Seagate Docket No.: STL17936.00US

Mourad Benakli (Inventor)

Date 0/ // 2013
State of Minnesota)
County of Hennepin
on Avg. 9 2013 before me, Melissa Zavas Notary (insert name and title of the officer)
personally appeared Mourad Benakli (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 MELISSA ANN ZARNS NOTARY PUBLIC - MINNESOTA MY COMMISSION EXPIRES 01/31/17
***************************************
Kirill Aleksandrovich Rivkin (Inventor)
<u> </u>
State of Minnesota)
County of Hennepin  On Sept. 3, 2013 before me, Melissa Zauns, Notary  (insert name and title of the officer)
personally appeared Kirill Aleksandrovich Rivkin (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.
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.
MELISSA ANN ZARNS NOTARY PUBLIC - MINNESOTA MY COMMISSION EXPIRES 01/31/17

Signature of Notary Public

Attorney Docket No.: STB.112.I1 Seagate Docket No.: STL17936.00US

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Spanne
Zhe Shen (Inventor)
<u>Sept 4 2013</u> Date
State of Minnesota)
County of Hennepin
On-Sept 4, 2013 before me, Ruth C. Zibble, Wotary (insert name and title of the officer)
personally appeared Zhe Shen (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.  RUTH C. ZIBBLE  Notary Public-Minnesota
Signature (Seal) Notary Public Notary Public
Jaoming Qiu (Inventor)
D8/19/2013 Date / 9/2013
State of Minnesota)
County of Hennepin
On August 19, 2013 before me, Kuth Zibble, Wotary (insert name and title of the officery)
personally appeared Jiaoming Qiu (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.  RUTH C. ZIBBLE Notary Public-Minnesota My Commission Expires Jan 31, 2015

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PATENT REEL: 031216 FRAME: 0427

Signature of Notary Public

Signature

Attorney Docket No.: STB.112.I1 Seagate Docket No. :STL17936.00US

State of Minnesota)

personally appeared Huaqing Yin (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.

U.S. Assignment - Seagate Technology LLC - Confidential