PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
KEVIN ARTHUR GOMEZ	09/29/2014
FRANK DROPPS	09/29/2014
RYAN JAMES GOSS	09/29/2014
JON TRANTHAM	09/30/2014
ANTOINE KHOUEIR	09/29/2014

RECEIVING PARTY DATA

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

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	14506972

CORRESPONDENCE DATA

Fax Number: (952)854-2722

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.

Phone: 952-854-2700

Email: tdotter@hdpatlaw.com

Correspondent Name: HOLLINGSWORTH DAVIS

Address Line 1: 8500 NORMANDALE LAKE BLVD.

Address Line 2: SUITE 320

Address Line 4: MINNEAPOLIS, MINNESOTA 55437

ATTORNEY DOCKET NUMBER:	STX.133.A1
NAME OF SUBMITTER:	WILLIAM B. ASHLEY
SIGNATURE:	/William B. Ashley/
DATE SIGNED:	10/07/2014
This document serves as an Oath/Declaration (37 CFR 1.63).	

Total Attachments: 4

PATENT

EPAS ID: PAT3054359

503007759 REEL: 033898 FRAME: 0697

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PATENT REEL: 033898 FRAME: 0698

Attorney Docket No.: STX.133.A1 Seagate Docket No.: STL18449.00US

COMBINED ASSIGNMENT AND DECLARATION

WHEREAS, Kevin Arthur Gomez of 8719 Bentwood Drive, Eden Prairie, MN 55344; Frank Dropps of 17222 81st Avenue North, Mapie Grove, MN 55311; Ryan James Goss of 5088 Pondsedge Lane, Prior Lake, MN 55372; Jon Trantham of 7465 Fawn Hill Road, Chanhassen, MN 55317; and Antoine Khoueir of 5232 Hollywood Road, Edina, MN 55436, are the inventors of an invention entitled <a href="https://doi.org/10.1016/journal.com/doi.org/10.1

	a provisional application for Letters Patent which is identifiable in the United States Patent and Trademark Office
	by Application Nofiled on
\boxtimes	an application for Letters Patent which is identifiable in the United States Patent and Trademark Office by
	Application No filed on 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 Nofiled on
	; and/or executed on even date herewith:
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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;

NOVV, 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.: STX.133.A1 Seagate Docket No.:STL18449.00US

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Kevin Arthur Gomez (Inventor)				
9/29/2014				
Date Date				
State of Minnesota)				
County of				
on 9-99-14 before me Physida Carl				
(insert name and title of the officer)				
personally appeared Kevin Arthur Gomez (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 of Notary Public Si				
\$				
Frank Dropps (Inveytor)				
<u>01/21/201</u> 4 Date				
State of Minnesota)				
County of <u>Justo</u>				
On 9-3-9-14 before me, Hunda Cul. (insert name and title of the officer)				
personally appeared Frank Dropps (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.				
WiTNFSS my hand and official seal.				

U.S. Assignment - Seagate Technology LLC - Confidential

Signature of Notary Public

RHONDA M. CARL.

Notary Public-Minnesota

My Commission Expires Jan 31, 2016

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Attorney Docket No.: STX.133.A1 Seagate Docket No.:STL18449.00US

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Ryan	James Goss (Inventor)		
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State of Minnesota)			
County of Alatto			
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(insert na	me and little of the officer)		
personally appeared Ryan James Goss (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 paragraph is true and correct.	Minnesota that the foregoing		
WITNESS my hand and official seal.	AMANAMANAMANAMANAMANAMANAMANAMANAMANAMA		
Signature of Notary Public (Seal)	My Commission Expires Jen 31, 2016		
Zn	ranifram (Inventor)		
	9/30/14		
State of Minnesota)	Date /		
1 11-1-1			
County of $\sqrt{200}$ On $9-30-14$ before me, $\sqrt{2000}$ (insert name and title of the officer)			
personally appeared Jon Trantham (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 of Notary Public	PHONDA M. CAPL Notary Public Minnesota My Commission Explires Jan 31, 2018		

Attorney Docket No.: STX.133.A1 Seagate Docket No.: STL18449.00US

personally appeared Antoine Khoueir (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.

ignature / Nanda Carl (Seal)

PHONDA M. CARL

Notary Public-Minnesote

My Commission Expires Jan 31, 2018