PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
TIMOTHY R FELDMAN	02/24/2014
JAMES PRESCOTT HUGHES	02/19/2014
MARTIN R FURUHJELM	02/10/2014

RECEIVING PARTY DATA

Name:	SEAGATE TECHNOLOGY LLC	
Street Address:	10200 SOUTH DEANZA BOULEVARD	
City:	CUPERTINO	
State/Country:	CALIFORNIA	
Postal Code:	95014	

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	14254202

CORRESPONDENCE DATA

Fax Number:

Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US Mail.

Phone: 512-921-9069

Email: usptomail@cesari-reed.com

Correspondent Name: CESARI & REED, LLP - SEAGATE TECHNOLOGY

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Address Line 2: SUITE 430

Address Line 4: AUSTIN, TEXAS 78746

ATTORNEY DOCKET NUMBER:	1000-STL17868.30
NAME OF SUBMITTER:	KIRK A CESARI
SIGNATURE:	/Kirk A. Cesari/
DATE SIGNED:	04/16/2014

Total Attachments: 8

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> PATENT REEL: 032686 FRAME: 0115

DECLARATION AND ASSIGNMENT

Seagate Docket No.: 1000-STL17868

Mide	checks, filmothly R Feldman of 1029 Grant Avenue, Louisville, CO 60027, James Plescott Hughes of 719 defield Rd, Palo Alto, CA, 94301 and Martin R Furuhjelm of 42 Ricketts Rd,Hamilton, MT 59840 is/are the ntor(s) of an invention entitled <u>COMMAND SETS AND FUNCTIONS</u> that is the subject matter of: (check all that ly)
	a provisional application for Letters Patent which is identifiable in the United States Patent and Trademark Office by Application No;
\boxtimes	an application for Letters Patent which is identifiable in the United States Patent and Trademark Office by
	Application No. 14175495 filed on 02/07/2014 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:

MILETERA C. Time the C. Telderan of 4000 Cornel Avenue & aviently CO 00007 James Decorate Uvales of 740

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 wiliful 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.

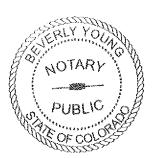
Timothy R Feldman (Inventor) 24, 2014

Date

State of (blocado)	Date
County of Boulder	To an and a later of the second
On 24, 2014 before me, _	Beverly young
and the state of t	(insert name and tille of the officer)
personally appeared TimoHug I	E. Feldman (Inventor), who proved to me on the
basis of satisfactory evidence to be the person wi	hose name is subscribed to the within instrument and acknowledged to me
	red capacity, and that by his/her signature on the instrument the person, or
the entity upon behalf of which the person acted,	
I certify under PENALTY OF PERJURY under the paragraph is true and correct.	1.1

WITNESS my hand and official seal.

Signature Structure for Natary Public (Seal



1/24/	
James Prescot/Hughes (Inventor)	
Date Policy of The State of the	
State of California	
county of Santa Clava	
on Feb. 19, 2014 before me, Cynthia Kooks, Way Lublic (insert name and title of the officer)	
·	
personally appeared James Presoft Hughes (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.	
Calle Care	
I certify under PENALTY OF PERJURY under the laws of the State of LON YOU that the foregoing	
paragraph is true and correct.	
ANTENNA A A A A A A A A A A A A A A A A A A	

WITNESS my hand and official seal.

Signature——

(Seal)

CYNTHIA ROBERS
Commission # 1905205
Notary Public - California
Santa Cruz County
My Comm. Expires Sep 24, 2014

		Martin R Furuhjelm (Inventor)
State of)	Date
County of)	
On	before me,	
		(insert name and title of the officer)
that he/she executed the the entity upon behalf of	ence to be the person whose same in his/her authorized co which the person acted, exect OF PERJURY under the law.	(Inventor), who proved to me on the name is subscribed to the within instrument and acknowledged to me apacity, and that by his/her signature on the instrument the person, or suted the instrument. s of the State of that the foregoing
WITNESS my hand and o	official seal.	
SignatureSignatu	(Se	eal)

U.S. Assignment - Seagate Technology LLC - Confidential

DECLARATION AND ASSIGNMENT

Seagate Docket No.: 1000-STL17868

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.

		Timothy R Feldman (Inventor)
State of)	Date
County of		
On	before me,	
		(insert name and title of the officer)
that he/she executed the the entity upon behalf of t	same in his/her authorized ca which the person acted, exect OF PERJURY under the laws	(Inventor), who proved to me on the name is subscribed to the within instrument and acknowledged to me apacity, and that by his/her signature on the instrument the person, or uted the instrument. s of the State of that the foregoing
WITNESS my hand and o	official seal.	
SignatureSignatu	(Se	al)

		James Prescott Hughes (Inventor)
	,	Date
State of)	
County of)	
On	before me,	(insert name and title of the officer)
		(insert name and title of the officer)
that he/she executed the the entity upon behalf of	same in his/her authorized cap which the person acted, execu OF PERJURY under the laws	(Inventor), who proved to me on the ame is subscribed to the within instrument and acknowledged to me eacity, and that by his/her signature on the instrument the person, or ed the instrument. of the State of that the foregoing
WITNESS my hand and	official seal.	
SignatureSignatu	(Sea ire of Notary Public	1)

Martin R Furuhjelm (Inventor)7/10/201 Date State of County of before me, On (insert name and title of the officer) personally appeared IVIII AND NEW (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 (inventor), who proved to me on the 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 that the foregoing paragraph is true and correct. WITNESS my hand and official (Seal) Signature Signature of Notary Public