PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
TIMOTHY EDWARD LANGLAIS	03/28/2014
DANIEL DENNIS DITTMER	03/24/2014
TROY M. HERNDON	02/18/2015

RECEIVING PARTY DATA

Name:	SEAGATE TECHNOLOGY LLC
Street Address:	10200 S. DE ANZA BLVD.
City:	CUPERTINO
State/Country:	CALIFORNIA
Postal Code:	95014

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	14281544

CORRESPONDENCE DATA

Fax Number: (612)334-3312

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.

Email: dedminster@wck.com DAVID D. BRUSH Correspondent Name:

Address Line 1: 900 SECOND AVENUE SOUTH

Address Line 2: **SUITE 1400**

Address Line 4: MINNEAPOLIS, MINNESOTA 55402

ATTORNEY DOCKET NUMBER:	S01.12-1532 / STL 17892	
NAME OF SUBMITTER:	DAVID D. BRUSH	
SIGNATURE:	/David D. Brush/	
DATE SIGNED:	03/02/2015	

Total Attachments: 5

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> **PATENT REEL: 035069 FRAME: 0516** 503200939

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PATENT REEL: 035069 FRAME: 0517

COMBINED ASSIGNMENT & DECLARATION

Seagate Docket No.:

STL 17892.00

Min	inesota, is/are the inventor(s) of an invention entitled <u>FLUID SEAL FOR A ROTATING ASSEMBLY</u> that is the ject 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
\boxtimes	an application for Letters Patent which is identifiable in the United States Patent and Trademark Office by
	Application No. 14/281,544 filed on May 19, 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:

WHEREAS Timothy Edward Langlais of Minneapolis Minnesota, and Daniel Dennis Dittmer of Shakonee

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.

Rev: 10/18/2012

Ti/mothy	Edward Langlais (Inventor)
	Date
State of MU	
County of <u>Scatto</u>	
On 3-28-14 before me, Phonda	e and title of the officer)
personally appeared <u>Sem E Langhaus</u> basis of satisfactory evidence to be the person whose name is subscrib that he/she executed the same in his/her authorized capacity, and that I the entity upon behalf of which the person acted, executed the instrume	by his/her signature on the instrument the person, or ent.
I certify under PENALTY OF PERJURY under the laws of the State of _ paragraph is true and correct.	that the foregoing
WITNESS my hand and official seal.	
Signature of Notary Public (Seal)	Notary Public-Minnesota My Commission Expires Jan 31, 2016

Daniel Dennis Dittmer (Inventor)
3/24/14 Deta
State of
County of Scatt
On 3-24-14 before me, Phinda Carl (insert name and title of the officer)
personally appeared Dentel Dutture (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 that the foregoing paragraph is true and correct.
WITNESS my hand and official seal.

Signature of Notary Public (Seal)



Rev: 10/18/2012

REEL: 035069 FRAME: 0520

COMBINED ASSIGNMENT & DECLARATION

Seagate Docket No.:

STL 17892.00

	Herndon of San Jose <mark>[ING ASSEMBLY</mark> th			ntor(s) of an invention entitled <u>FLU:</u> (all that apply)	<u>ID</u>
by Application No an application for	o. r Letters Patent whic	filed or h is identifiable	i in the United Sta	United States Patent and Trademar :: les Patent and Trademark Office by	/
Application No herewith: and	14/281,544	filed on	May 19, 2014	and/or executed on even dat	е
	United States Rece	ving Office by		ent Cooperation Treaty which is filed on	

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.

Rev: 10/18/2012

Troy M. Herndon (Inventor)
Date

State of California)

County of Sounta Cruz

8(2015) before me,

insert name and title of the office

personally appeared VOL W. HOVE (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 COUNTY that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

gnature of Notary Public (Seal)

CYNTHIA ROGERS
Commission # 2090228
Notary Public - California
Sarita Clara County
Ny Comm. Expires Nov 16, 2018

Rev: 10/18/2012