502340410 05/08/2013

PATENT ASSIGNMENT

Electronic Version v1.1 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
Bernard W. Bell	05/08/2013
Chubing Peng	05/08/2013

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:	13890121

CORRESPONDENCE DATA

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ATTORNEY DOCKET NUMBER:	STL 17616.00US
NAME OF SUBMITTER:	Shawn Markham
Signature:	/Shawn Markham/
Date:	05/08/2013

PATENT REEL: 030378 FRAME: 0042 OP \$40.00 138901

This document serves as an Oath/Declaration (37 CFR 1.63).

Total Attachments: 3

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PATENT REEL: 030378 FRAME: 0043

ASSIGNMENT - OATH

Seagate Docket No.:

17616

	and the second s	ELIVERY APPARATUS that is the subj	ect matter of: (check all that apply)
	a provisional application fo	or Letters Patent which is identifiable in t	the United States Patent and Trademark Office
	by Application No	filed 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			Patent Cooperation Treaty which is
	identifiable in the United S	tates Receiving Office by Application No	o filed on
	;	and/or executed on even date herewith	1:

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.

PATENT Rev: 10/18/2012

REEL: 030378 FRAME: 0044

	Semand W. Club Bernard W. Bell (Inventor)		
	penara w. per (mventor)		
	5 8 1 2-0 3 Date		
State of NIN			
County of HEMMED (No. 1)	\$		
On <u>May 8, 2013</u> before me, <u>MCLTS</u>	<u>isa Zarns Notang</u>		
(in	sert name and title of the officer)		
personally appeared <u>BUVAN W R</u>			
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 sparagraph is true and correct.	State of that the foregoing		
WITNESS my hand and official seal.			
	MELISSA ANN ZARNS		
	NOTARY PUBLIC - MINNESUTA § MY COMMISSION EXPIRES 01/31/17 §		
Signature Signature of Notary Public (Seal)			
and the state of t			

Chubing Peng (Inventor)

personally appeared basis of satisfactory evidence to be the person whose game 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 ___ paragraph is true and correct.

WITNESS my hand and official seal.