PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT

NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
Gary J. Kunkel	11/17/2011
Jon L. Brand	11/17/2011

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:	13299082

CORRESPONDENCE DATA

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ATTORNEY DOCKET NUMBER:	STB.012.U1

NAME OF SUBMITTER:	Mark A. Hollingsworth

Total Attachments: 2
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CH $40.00 13299082

ASSIGNMENT

WHEREAS, I/we Gary J. Kunkel of 4545 Harriet Avenue South, Minneapolis, MN 55419, and John L. Brand of 700 Oak Ridge Court East, Burnsville, MN 55306, are the inventor(s) of an invention entitled <u>ASPERITY AND HEAD-MEDIA CONTACT DETECTION USING MULTI-STAGE TEMPERATURE COEFFICIENT OF RESISTANCE SENSOR</u> that is the subject 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. _____ filed on _____;

☒ 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 No. _____ filed on _____; and/or executed on even date herewith:

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 South DeAnza Boulevard, Cupertino, California, 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/we transfer to Assignee, its successors and assigns, my/our 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/we 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/We authorize the Assignee, its successors and assigns, to insert in this instrument the filing date(s) and application numbers when ascertained. I/We 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/We represent to the Assignee, its successors and assigns, that I/we have not and shall not execute any writing or do any act whatsoever conflicting with this Assignment. I/We, my/our 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.

**PATENT
REEL: 027247 FRAME: 0244**

_____
Gary J. Kunkel (Inventor)

NOV 17 2011
Date

State of Minnesota)

County of Hennepin)

On _November 17, 2011_ before me, _Diane M. Chapman_ _____
(insert name and title of the officer)

personally appeared Gary J. Kunkel (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 _Diane M. Chapman_ **(Seal)**
Signature of Notary Public

DIANE M. CHAPMAN
Notary Public
Minnesota
My Commission Expires Jan. 31, 2013

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_____
John L. Brand (Inventor)

_11/17/11_
Date

State of Minnesota)

County of Hennepin)

On _November 17, 2011_ before me, _Diane M. Chapman_ _____
(insert name and title of the officer)

personally appeared John L. Brand (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 _Diane M. Chapman_ **(Seal)**
Signature of Notary Public

DIANE M. CHAPMAN
Notary Public
Minnesota
My Commission Expires Jan. 31, 2013

- U.S. Assignment - Seagate Technology LLC   -2-   Rev: 03-07-2011

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