

PATENT ASSIGNMENT

Electronic Version v1.1

Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT										
NATURE OF CONVEYANCE:	ASSIGNMENT										
CONVEYING PARTY DATA											
<table border="1"><thead><tr><th>Name</th><th>Execution Date</th></tr></thead><tbody><tr><td>Aravind Raghunathan</td><td>01/31/2008</td></tr><tr><td>Kevin Dean Freundt</td><td>02/07/2008</td></tr></tbody></table>		Name	Execution Date	Aravind Raghunathan	01/31/2008	Kevin Dean Freundt	02/07/2008				
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RECEIVING PARTY DATA											
<table border="1"><tr><td>Name:</td><td>Seagate Technology LLC</td></tr><tr><td>Street Address:</td><td>920 Disc Drive</td></tr><tr><td>City:</td><td>Scotts Valley</td></tr><tr><td>State/Country:</td><td>CALIFORNIA</td></tr><tr><td>Postal Code:</td><td>95066</td></tr></table>		Name:	Seagate Technology LLC	Street Address:	920 Disc Drive	City:	Scotts Valley	State/Country:	CALIFORNIA	Postal Code:	95066
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PROPERTY NUMBERS Total: 1											
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Application Number:	12028131										
CORRESPONDENCE DATA											
Fax Number: (617)951-3927 <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>											
Phone: 617-951-2500											
Email: jmb@c-m.com, elaine@c-m.com											
Correspondent Name: CESARI AND MCKENNA, LLP											
Address Line 1: 88 BLACK FALCON AVENUE											
Address Line 4: BOSTON, MASSACHUSETTS 02210											
ATTORNEY DOCKET NUMBER:	108047-0110										
NAME OF SUBMITTER:	James M. Behmke										
Total Attachments: 6 source=0110_Assignment#page1.tif source=0110_Assignment#page2.tif source=0110_Assignment#page3.tif											

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PATENT
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ASSIGNMENT

Whereas We, Aravind Raghunathan, whose residence address is 2836 18th Avenue, E. Shakopee, MN 55379, and Kevin Dean Fruendt, whose residence address is 9204 SW 21st Street, Oklahoma City, OK 73128, have made certain inventions or discoveries (or both) set forth in an application for Letters Patent of the United States of America entitled LONG-TERM ASYMMETRY TRACKING IN MAGNETIC RECORDING DEVICES, identified by Cesari and McKenna File No. 108047-0110 / STL14251, which application was enclosed on even date herewith; and

Whereas Seagate Technology LLC, whose address is 920 Disc Drive, Scotts Valley, CA 95066, and which, together with its successors and assigns, is hereinafter called "Assignee," is desirous of acquiring the title, rights, benefits, and privileges hereinafter recited;

Now, Therefore, for valuable consideration furnished by Assignee to us, receipt and sufficiency of which we hereby acknowledge, we hereby, without reservation:

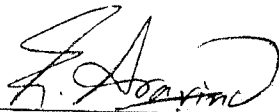
1. Assign, transfer, and convey to Assignee our entire right, title, and interest in and to said inventions and discoveries, said application for Letters Patent of the United States of America, any and all other applications for Letters Patent on said inventions and discoveries in whatsoever countries, including all divisional, renewal, substitute, continuation, continuation-in-part, and Convention applications based in whole or in part upon said inventions or discoveries, or upon said applications, and any and all Letters Patent, reissues, reexaminations, and extensions of Letters Patent granted for said inventions and discoveries or upon said applications, and every priority right that is or may be predicated upon or arise from said inventions, said discoveries, said applications, and said Letters Patent;
2. Authorize Assignee to file patent applications in any or all countries on any or all of said inventions and discoveries in our names or in the name of Assignee or otherwise as Assignee may deem advisable, under the International Convention or otherwise;
3. Authorize and request the Commissioner of Patents and Trademarks of the United States of America and the empowered officials of all other governments to issue or transfer all said Letters Patent to Assignee, as assignee of the entire right, title, and interest therein or otherwise as Assignee may direct;
4. Warrant that we have not knowingly conveyed to others any right in said inventions, discoveries, applications, or patents or any license to use the same or to make, use, or sell anything embodying or utilizing any of said inventions or discoveries; and that we have good right to assign the same to Assignee without encumbrance;
5. Bind our heirs, legal representatives and assigns, as well as ourselves, to do, upon Assignee's request and at Assignee's expense, but without additional consideration to us or them, all acts reasonably serving to assure that the said inventions and discoveries, the said patent applications, and the said Letters Patent shall be held and enjoyed by Assignee as fully and entirely as the same could have been held and enjoyed by us, our heirs, legal representatives, and assigns if this assignment had not been made; and particularly to execute and deliver to Assignee all lawful application documents

including petitions, specifications, and oaths, and all assignments, disclaimers, and lawful affidavits in form and substance as may be requested by Assignee; to communicate to Assignee all facts known to us relating to said inventions and discoveries or the history thereof; and to furnish Assignee with any and all documents, photographs, models, samples, and other physical exhibits in our control or in the control of our heirs, legal representatives or assigns which may be useful for establishing the facts of our conceptions, disclosures, and reduction to practice of said inventions and discoveries.

In testimony of which we have executed this Assignment as an instrument under seal on the dates indicated next to our names.

01/31/08

Date



Aravind Raghunathan, Inventor

State of Minnesota

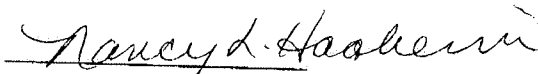
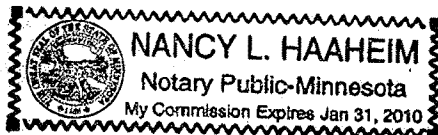
)

County of Scott

)ss.

)

On this 31st day of January, 2008, before me appeared Aravind Raghunathan, to me known and known to me to be the person described in and who executed the foregoing instrument, and he acknowledged the same to be his free act and deed.



Notary Public

[seal]

Date

Kevin Dean Fruendt, Inventor

State of Oklahoma

)

)ss.

County of _____

)

On this _____ day of _____, 2008, before me appeared Kevin Dean Fruendt, to me known and known to me to be the person described in and who executed the foregoing instrument, and he acknowledged the same to be his free act and deed.

Notary Public

[seal]

ASSIGNMENT

Whereas We, Aravind Raghunathan, whose residence address is 2836 18th Avenue, E. Shakopee, MN 55379, and Kevin Dean Fruendt, whose residence address is 9204 SW 21st Street, Oklahoma City, OK 73128, have made certain inventions or discoveries (or both) set forth in an application for Letters Patent of the United States of America entitled LONG-TERM ASYMMETRY TRACKING IN MAGNETIC RECORDING DEVICES, identified by Cesari and McKenna File No. 108047-0110 / STL14251, which application was enclosed on even date herewith; and

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Now, Therefore, for valuable consideration furnished by Assignee to us, receipt and sufficiency of which we hereby acknowledge, we hereby, without reservation:

1. Assign, transfer, and convey to Assignee our entire right, title, and interest in and to said inventions and discoveries, said application for Letters Patent of the United States of America, any and all other applications for Letters Patent on said inventions and discoveries in whatsoever countries, including all divisional, renewal, substitute, continuation, continuation-in-part, and Convention applications based in whole or in part upon said inventions or discoveries, or upon said applications, and any and all Letters Patent, reissues, reexaminations, and extensions of Letters Patent granted for said inventions and discoveries or upon said applications, and every priority right that is or may be predicated upon or arise from said inventions, said discoveries, said applications, and said Letters Patent;

2. Authorize Assignee to file patent applications in any or all countries on any or all of said inventions and discoveries in our names or in the name of Assignee or otherwise as Assignee may deem advisable, under the International Convention or otherwise;

3. Authorize and request the Commissioner of Patents and Trademarks of the United States of America and the empowered officials of all other governments to issue or transfer all said Letters Patent to Assignee, as assignee of the entire right, title, and interest therein or otherwise as Assignee may direct;

4. Warrant that we have not knowingly conveyed to others any right in said inventions, discoveries, applications, or patents or any license to use the same or to make, use, or sell anything embodying or utilizing any of said inventions or discoveries; and that we have good right to assign the same to Assignee without encumbrance;

5. Bind our heirs, legal representatives and assigns, as well as ourselves, to do, upon Assignee's request and at Assignee's expense, but without additional consideration to us or them, all acts reasonably serving to assure that the said inventions and discoveries, the said patent applications, and the said Letters Patent shall be held and enjoyed by Assignee as fully and entirely as the same could have been held and enjoyed by us, our heirs, legal representatives, and assigns if this assignment had not been made; and particularly to execute and deliver to Assignee all lawful application documents

including petitions, specifications, and oaths, and all assignments, disclaimers, and lawful affidavits in form and substance as may be requested by Assignee; to communicate to Assignee all facts known to us relating to said inventions and discoveries or the history thereof; and to furnish Assignee with any and all documents, photographs, models, samples, and other physical exhibits in our control or in the control of our heirs, legal representatives or assigns which may be useful for establishing the facts of our conceptions, disclosures, and reduction to practice of said inventions and discoveries.

In testimony of which we have executed this Assignment as an instrument under seal on the dates indicated next to our names.

Date Aravind Raghunathan, Inventor

State of Minnesota)
)ss.
County of _____)

On this _____ day of _____, 2008, before me appeared Aravind Raghunathan, to me known and known to me to be the person described in and who executed the foregoing instrument, and he acknowledged the same to be his free act and deed.

Notary Public

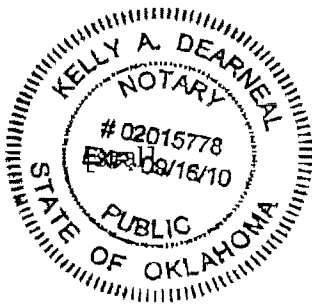
[seal]

2/7/08
Date

Kevin Dean Fruendt
Kevin Dean Fruendt, Inventor

State of Oklahoma)
County of Canadian)ss.

On this 7 day of Feb., 2008, before me appeared Kevin Dean Fruendt, to me known and known to me to be the person described in and who executed the foregoing instrument, and he acknowledged the same to be his free act and deed.



Kelly A. Dearneal
Notary Public

