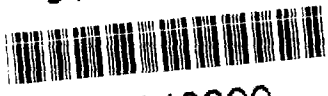


01-28-2003

PATENT



102349990

Attorney Docket No.: I69.12-0563 -- mep

10/348398
01/21/03

To the Commissioner for Patents: Please record the attached original document or copy thereof.

1. Name of conveying party(ies):
(1) Eric L. Granstrom
(2)
(3)
01/21/03
Additional name(s) of conveying party(ies) attached? [] Yes [X] No

2. Name and address of receiving party(ies):
Name: Seagate Technology LLC
Internal Address: _____
Street Address: 920 Disc Drive
City: Scotts Valley, State: CA ZIP 95066
Additional name(s) & address(es) attached? [] Yes [X] No

3. Nature of Conveyance:
 Assignment Merger Security Agreement
 Change of Name Other _____
Execution Date: January 17, 2003

4A. Application No.(s)

If this document is being filed together with a new application, the execution date(s) of the application is: January 17, 2003
Additional numbers attached? [] Yes [X] No

4B. Patent No.(s)

Additional numbers attached? [] Yes [X] No

5. Name and address of party to whom correspondence concerning document should be mailed:
Name: Alan M. Koenck
Street Address: Kinney & Lange, P.A.,
317 South Third Street
City: Minneapolis State: MN ZIP 55415-1002

6. Total number of applications and patents involved: [1]

7. Total fee (37 C.F.R. 3.41):.....\$ 40.00

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9. Statement and signature.
To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.
Alan M. Koenck *1/21/03*
Alan M. Koenck Date
Total number of pages including cover sheet, attachments and document: [2]

01/27/2003 6TON11 00000214 10348398
01 FC:8021 40.00 DP

PATENT
REEL: 013689 FRAME: 0327

ASSIGNMENT

Attorney Docket No. : 169.12-0563

Seagate Docket No. : STL 10711.00

WHEREAS, I Eric Leroy Granstrom of Golden Valley, MN am the inventor(s) of an invention entitled MEMS-BASED ESD PROTECTION OF MAGNETIC RECORDING HEADS 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 has been executed on even date herewith and/or is identifiable in the United States Patent and Trademark Office by Application No. filed on ;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

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 920 Disc Drive, Scotts Valley, California, 95066 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.



Eric Leroy Granstrom (Inventor)

Subscribed and sworn to before me in the County of Hennepin, State of Minnesota, a Notary Public, this 17 day of January, 2003.



Notary Public

ASSIGNMENT

Attorney Docket No. : I69.12-0563

Seagate Docket No. : STL 10711.00

WHEREAS, I Eric Leroy Granstrom of Golden Valley, MN am the inventor(s) of an invention entitled MEMS-BASED ESD PROTECTION OF MAGNETIC RECORDING HEADS that is the subject matter of: (Check all that apply)

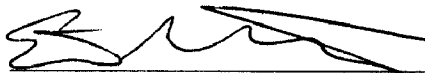
- a provisional application for Letters Patent which is identifiable in the United States Patent and Trademark Office by Application No. _ filed on _;
- an application for Letters Patent which has been executed on even date herewith and/or is identifiable in the United States Patent and Trademark Office by Application No. filed on ;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

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 920 Disc Drive, Scotts Valley, California, 95066 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.



Eric Leroy Granstrom (Inventor)

Subscribed and sworn to before me in the County of Hennepin, State of Minnesota, a Notary Public, this 17 day of January, 2003.



Notary Public

