

**PATENT R
CC**

06-19-2003



Attorney Docket No.: I69.12-0575 -- eav

17399 U.S. PTO
10/459820
06/12/03

To the Commissioner for: 102478042

document or copy thereof.

1. Name of conveying party(ies):
- (1) Sining Mao
 - (2) William P. Vavra
 - (3) Eric S. Linville

6.12.03

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) of conveying party(ies) attached? Yes No

Additional name(s) & address(es) attached? Yes No

3. Nature of Conveyance:

- Assignment Merger Security Agreement
 Change of Name Other _____

Execution Date: June 9, 2003

4A. Application No.(s)

10459820

If this document is being filed together with a new application, the execution date(s) of the application is: June 9, 2003

Additional numbers attached? Yes No

4B. Patent No.(s)

Additional numbers attached? Yes No

5. Name and address of party to whom correspondence concerning document should be mailed:

Name: David R. Fairbairn
 Street Address: Kinney & Lange, P.A.,
312 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.

David R. Fairbairn

6/12/03

Date

Total number of pages including cover sheet, attachments and document: [3]

06/18/2003 ECOOPER 00000112 10459820

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ASSIGNMENT

Attorney Docket No. : I69.12-0575
Seagate Docket No. : SEA 11179.00

WHEREAS, we Sining Mao, 13927 Aquila Avenue, Savage, Minnesota 55378, U.S.A., William P. Vavra, 2636 Geggen-Tina Road, Maple Plain, Minnesota 55359, U.S.A. and Eric S. Linville, 280 Hidden Lane, Chanhassan, Minnesota 55317, U.S.A. are the inventor(s) of an invention entitled MAGNETORESISTIVE SENSOR WITH REDUCED OPERATING TEMPERATURE that is the subject matter of: (Check all that apply)

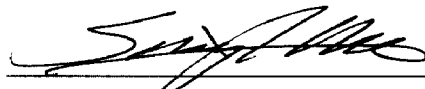
- a provisional application for Letters Patent which is identifiable in the United States Patent and Trademark Office by Application No. _ filed on _;
- an application for Letters Patent which has been executed on even date herewith and/or is identifiable in the United States Patent and Trademark Office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

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, we transfer to Assignee, its successors and assigns, 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 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.


We authorize the Assignee, its successors and assigns, to insert in this instrument the filing date(s) and application numbers when ascertained. 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.

We represent to the Assignee, its successors and assigns, that we have not and shall not execute any writing or do any act whatsoever conflicting with this Assignment. We, 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.



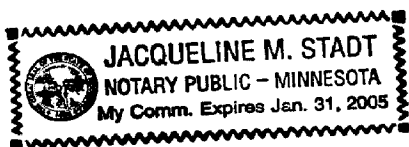
Sining Mao (Inventor)

Subscribed and sworn to before me in the County of Hennepin, a Notary Public, this 9 day of June, 2003.



Notary Public

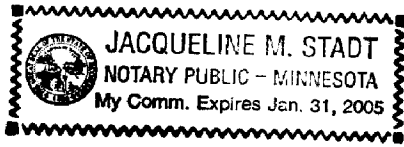
(SEAL)



William P Vavra
William P. Vavra (Inventor)

Subscribed and sworn to before me in the County of Hennepin, a Notary Public, this 9th day of June, 2003.

(SEAL)

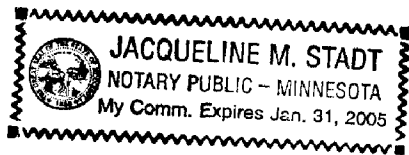


Jacqueline M. Stadt
Notary Public

Eric S. Linville
Eric S. Linville (Inventor)

Subscribed and sworn to before me in the County of Hennepin, a Notary Public, this 9th day of June, 2003.

(SEAL)



Jacqueline M. Stadt
Notary Public