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FORM

Attorney Docket No.  
169.12-0417

101910422

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

## 1. Name of conveying party(ies):

- (1) Alexander M. Shukh  
(2) Edward S. Murdock  
(3) Anthony M. Mack

09/02/99

Additional name(s) of conveying party(ies) attached? ☐ Yes ☒ No

## 2. Name and address of receiving party(ies):

Name: Seagate Technology, Inc.

Internal Address: \_\_\_\_\_

Street Address: 920 Disc DriveCity: Scotts Valley, State: California ZIP 95066

## 3. Nature of Conveyance:

- ☒ Assignment ☐ Merger ☐ Security Agreement  
☐ Change of Name ☐ Other \_\_\_\_\_

Execution Date: August 26, 1999Additional name(s) & address(es) attached? ☐ Yes ☒ No

## 4A. Application No.(s)

If this document is being filed together with a new application, the execution date(s) of the application is: August 26, 1999Additional 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. FairbairnStreet Address: Kinney & Lange, P.A.,312 South Third StreetCity: Minneapolis State: MN ZIP 55415-1002

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

7. Total fee (37 C.F.R. 3.41):.....\$ 40.0009/02/1999 DELAYING 000000004 09200457  
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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.

Jeff A. Hahn  
Jeff A. Hahn

9/2/99

Date

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

# ASSIGNMENT (INTERNATIONAL APPLICATION)

Attorney Docket No.

169.13-196

First Named Inventor : Alexander M. Shukh, et al.

Title : SPIN VALVE SENSOR WITH SPECULAR ELECTRON SCATTERING IN FREE LAYER

WHEREAS, I, Alexander M. Shukh, of Savage, Minnesota, U.S.A., Edward S. Murdock, of Edina, Minnesota, U.S.A., and Anthony M. Mack, of Minneapolis, Minnesota, U.S.A., have invented certain new and useful improvements as described in an international application entitled SPIN VALVE SENSOR WITH SPECULAR ELECTRON SCATTERING IN FREE LAYER for Letters Patent filed or to be filed pursuant to the Patent Cooperation Treaty and designating the United States, the application having been executed on even date herewith, and/or being identifiable in the United States Receiving Office by Application No. \_\_\_\_\_, filed \_\_\_\_\_, the United States Declaration having been executed on even date herewith; and

WHEREAS, Seagate Technology, Inc., a corporation organized and existing under the laws of the State of Delaware, and having offices at 920 Disc Drive, Scotts Valley, California 95066, ("Assignee") is desirous of acquiring the entire right, title and interest in and to the invention, the application, and any and all Letters Patent or similar legal protection, foreign or domestic, to be obtained therefor;

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 application, corresponding domestic and foreign applications, all Letters Patent or similar legal protection issuing thereon, and all rights and benefits under any applicable treaty or convention; and I authorize the Commissioner of Patents and Trademarks of the United States or foreign equivalent thereof 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 and application number of the application when ascertained.


I 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 countries foreign to the United States.

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 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.

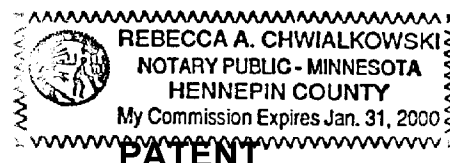
  
Alexander M. Shukh

STATE OF Minnesota )  
                                  ) ss.  
COUNTY OF Hennepin )

Subscribed and sworn to before me, a Notary Public, this 26<sup>th</sup> day of August, 1999

  
Notary Public

(SEAL)



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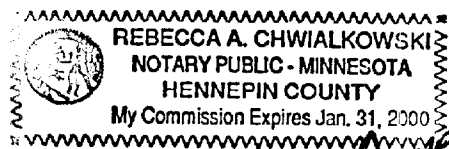
Edward S. Murdoch  
Edward S. Murdoch

STATE OF Minnesota )  
 ) ss.  
COUNTY OF Hennepin )

Subscribed and sworn to before me, a Notary Public, this 26<sup>th</sup> day of August, 19 99

Rebecca A. Chwialkowski  
Notary Public

(SEAL)



Anthony M. Mack  
Anthony M. Mack

STATE OF Minnesota )  
 ) ss.  
COUNTY OF Hennepin )

Subscribed and sworn to before me, a Notary Public, this 26<sup>th</sup> day of August, 19 99

Rebecca A. Chwialkowski  
Notary Public

(SEAL)

