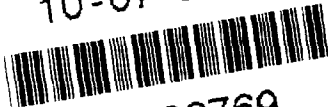


10-07-2005



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To the Director of the U.S. Patent and Trademark Office: Please record the attached documents or the new address(es) below.

9.29.05

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1. Name of conveying party(ies)

Jeffrey P. Gunder
Ian R. McFadyen
Darrick T. Smith
Scott A. Thomas
Xian Z. Wu

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

2. Name and address of receiving party(ies)

Name: Hitachi Global Storage Technologies Netherlands, B.V.

Internal Address: _____

Street Address: Locatellikade 1, Parnassustoren, 1076 AZ

City: Amsterdam

State: The Netherlands

Country: USA Zip: _____

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

3. Nature of conveyance/Execution Date(s):

Execution Date(s) 9/14/2005; 9/16/2005; 9/19/2005

- Assignment Merger
- Security Agreement Change of Name
- Joint Research Agreement
- Government Interest Assignment
- Executive Order 9424, Confirmatory License
- Other _____

4. Application or patent number(s):

This document is being filed together with a new application.

A. Patent Application No.(s)

B. Patent No.(s)

Additional numbers attached? Yes No

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

Name: David W. Lynch

Internal Address: 1000 Tallan Building

Street Address: Two Union Square

City: Chattanooga

State: TN Zip: 37402

Phone Number: 423-756-3000

Fax Number: 423-508-1264

Email Address: dlynch@cbslawfirm.com

6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 1.21(h) & 3.41) \$ 40.00

- Authorized to be charged by credit card
- Authorized to be charged to deposit account
- Enclosed
- None required (government interest not affecting title)

8. Payment Information

a. Credit Card Last 4 Numbers _____
Expiration Date _____

b. Deposit Account Number 50-2587

Authorized User Name Hitachi Global Storage

9. Signature:

David W. Lynch
Signature

September 29, 2005
Date

10/06/2005 DBYRNE 00000102 502587 11238786

David W. Lynch

Total number of pages including cover sheet, attachments, and documents:

3

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Name of Person Signing

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Mail Stop Assignment Recordation Services, Director of the USPTO, P.O.Box 1450, Alexandria, V.A. 22313-1450

ASSIGNMENT

Whereas, I/we

INVENTOR
AND CITY

- (1) Jeffrey P. Gunder of 1178 Golden Way, Los Altos, CA 94024;
- (2) Ian R. McFadyen of 996 Burlwood Drive, San Jose, CA 95120;
- (3) Darrick T. Smith of 4051 Halkins Drive, San Jose, CA 95124;
- (4) Scott A. Thomas of 122 Plymton Court, San Jose CA 95139;
- (5) Xiao Z. Wu of 1092 Micro Place, San Jose, CA 95120.

have invented certain improvements in

TITLE

LAPPING METHOD AND STATION TO ACHIEVE TIGHT DIMENSION CONTROLS FOR BOTH READ AND WRITE ELEMENTS OF MAGNETIC RECORDING HEADS AND MAGNETIC STORAGE DEVICE FORMED THEREBY

DATES THAT
INVENTORS
SIGNED THE
DECLARATION

and executed, respectively, a United States patent application therefor on

- (1) 9/14/05 (2) 9/16/05 (3) 9/16/05 (4) 9-14-05
- (5) 9/19/05

Whereas, **HITACHI GLOBAL STORAGE TECHNOLOGIES NETHERLANDS B.V.**, having a place of business at Locatellikade 1, Parnassustoren, 1076 AZ Amsterdam, The Netherlands (hereinafter called HITACHI), desires to acquire the entire right, title and interest in the said application and invention, and to any United States and foreign patents to be obtained therefore;

Now therefore, for a valuable consideration, receipt whereof is hereby acknowledged, we, the above named, hereby sell, assign, and transfer to HITACHI, its successors and assigns, the entire right, title and interest in the said application and invention therein disclosed for the United States and foreign countries, and all rights of priority resulting from the filing of said United States application, and we request the Commissioner of Patents to issue any Letters Patent granted upon the inventions set forth in said application to HITACHI, its successors and assigns; and we hereby agree that HITACHI may apply for foreign Letters Patent on said invention and we will execute all papers necessary in connection with the United States and foreign applications when called upon to do so by HITACHI.

CITY

(1) Signed at San Jose

Jeffrey P. Gunder SIGNATURE

DATE

on 9/14, 2005, **Jeffrey P. Gunder** INVENTOR

CITY

(2) Signed at San Jose

Ian R. McFadyen SIGNATURE

DATE

on 9/16, 2005, **Ian R. McFadyen** INVENTOR

CITY

(3) Signed at San Jose

Darrick T. Smith SIGNATURE

DATE on 9/16/05, 2005, **Darrick T. Smith** INVENTOR

CITY (4) Signed at San Jose
Scott A. Thomas SIGNATURE

DATE on 9-14-05, 2005, **Scott A. Thomas** INVENTOR

CITY (5) Signed at San Jose
[Signature] SIGNATURE

DATE on Sept. 19, 2005, **Xiao Z. Wu** INVENTOR