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Matthew J. Carey
Bruce A. Gurney

Execution Date(s) 3/31/05, 3/31/05
Additional name(s) of conveying party(ies) attached? Yes No

3. Nature of conveyance:
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2. Name and address of receiving party(ies)
Name: HITACHI GLOBAL STORAGE TECHNOLOGIES NETHERLANDS B.V.
Internal Address: _____

Street Address: Locatellikade 1
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1076 AZ Amsterdam
The Netherlands

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State: _____
Country: _____ Zip: _____

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

4. Application or patent number(s):
A. Patent Application No.(s)
11/131,737

This document is being filed together with a new application.
B. Patent No.(s)

Additional numbers attached? Yes No

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

Name: Hitachi Global Storage Technologies
Internal Address: Intellectual Property Law
Mail Stop NHGB/014-2
Street Address: 5600 Cottle Road

City: San Jose
State: CA Zip: 95193
Phone Number: _____
Fax Number: _____
Email Address: _____

6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 1.21(h) & 3.41) \$ 40
 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 _____
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b. Deposit Account Number 502587
Authorized User Name Thomas R. Berthold

9. Signature: [Signature]
Signature

3/7/06
Date

Matthew Zises
Name of Person Signing

Total number of pages including cover sheet, attachments, and documents: **3**

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CH \$40.00 502587 11131737

ASSIGNMENT

Whereas, Ilwe,

(1) **Matthew J. Carey**
City of **San Jose**

County of **Santa Clara**

State of **CA**

(2) **Bruce A. Gurney**
City of **San Rafael**

County of **Marin**

State of **CA**

(3)
City of

County of

State of

(4)
City of

County of

State of

(5)
City of

County of

State of

(6)
City of

County of

State of

have invented certain Improvements in:

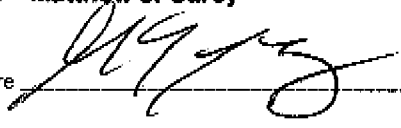
MAGNETORESISTIVE SENSOR BASED ON SPIN ACCUMULATION EFFECT WITH TERMINAL CONNECTION AT BACK END OF SENSOR

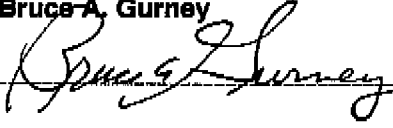
and executed a Declaration and Power of Attorney for a United States patent application therefor on

(1) March 31, 2005 (2) MARCH 31, 2005 (3) _____
(4) _____ (5) _____ (6) _____

Whereas, HITACHI GLOBAL STORAGE TECHNOLOGIES NETHERLANDS B.V., having a place of business at Locatellikade 1, Parnassustoren, 1076 AZ Amsterdam, The Netherlands (hereafter 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 therefor;

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.

(1) Inventor: **Matthew J. Carey** City/State: **San Jose, CA**
 Signature  Date March 31, 2005

(2) Inventor: **Bruce A. Gurney** City/State: **San Jose, CA**
 Signature  Date MARCH 31, 2005

(3) Inventor: City/State: **San Jose, CA**
 Signature _____ Date _____

(4) Inventor: City/State: **San Jose, CA**
 Signature _____ Date _____

(5) Inventor: City/State: **San Jose, CA**
 Signature _____ Date _____

(6) Inventor: City/State: **San Jose, CA**
 Signature _____ Date _____