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

**1. Name of conveying party(ies)/Execution Date(s):**  
Andreas Klaus Berger  
Hoa Van Do

Execution Date(s) 01/21/2005, 01/25/2005

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

**3. Nature of conveyance:**  
 Assignment  Merger  
 Security Agreement  Change of Name  
 Government Interest Assignment  
 Executive Order 9424, Confirmatory License  
 Other

**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 Amsterdam  
The Netherlands

City: \_\_\_\_\_

State: \_\_\_\_\_

Country: \_\_\_\_\_ Zip: \_\_\_\_\_

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

**4. Application or patent number(s):**  This document is being filed together with a new application.  
A. Patent Application No.(s)  
11/044,283

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 \_\_\_\_\_  
Expiration Date \_\_\_\_\_

b. Deposit Account Number 502587

Authorized User Name Thomas R. Berthold

**9. Signature:** Robert B. Martin  
Signature

March 22, 2005  
Date

Robert B. Martin  
Name of Person Signing

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

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# ASSIGNMENT

Whereas, I/we,

(1) **Andreas Klaus Berger**  
 City of **San Jose**  
 County of **Santa Clara**  
 State of **CA**

(2) **Hoa Van Do**  
 City of **Fremont**  
 County of **Alameda**  
 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:

**PERPENDICULAR MAGNETIC RECORDING MEDIUM WITH MAGNETIC TORQUE LAYER COUPLED TO THE PERPENDICULAR RECORDING LAYER**

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

(1) 1/21/2005      (2) 1/25/2005      (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: **Andreas Klaus Berger** City/State: **San Jose, CA**

Signature Andreas Berger Date 1/21/2005

(2) Inventor: **Hoa Van Do** City/State: **San Jose, CA**

Signature Hoa Do Date 1/25/2005

(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 \_\_\_\_\_