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To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.

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Toshiki HIRANO
Ullal Vasant NAYAK
Qinghua ZENG

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
1076 AZ Amsterdam
P.O. Box 75215
1070 AE Amsterdam
The Netherlands**

City: _____ State: _____ Zip: _____

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

3. Nature of conveyance:

- Assignment Merger
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Execution Date: 09/12/2003 09/12/2003 09/12/2003

4. Application number(s) or patent number(s):

09/12/2003

If this document is being filed together with a new application, the execution date of the application is: 09/12/2003

A. Patent Application No.(s)

10464296

B. Patent No.(s)

09/12/2003

Additional numbers attached? Yes No

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

Name:
Joseph P. Curtin
Internal Address:

Street Address: **1469 N.W. Morgan Lane**

City: **Portland** State: **OR** Zip: **97229**

6. Total number of applications and patents involved:

7. Total fee (37 CFR 3.41).....\$ 40

- Enclosed
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50-2587

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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.

Joseph P. Curtin, Reg. No. 34,571

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Signature

09/17/2003

Date

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09/17/03

ASSIGNMENT

Whereas, *llwe*,

(1) **Toshiki HIRANO**
 City of **San Jose**
 County of **Santa Clara**
 State of **California**

(2) **Ullal Vasant NAYAK**
 City of **San Jose**
 County of **Santa Clara**
 State of **California**

(3) **Qinghua ZENG**
 City of **San Jose**
 County of **Santa Clara**
 State of **California**

(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:

DISK DRIVE WITH HEAD-DISK INTERACTION SENSOR INTEGRATED WITH SUSPENSION

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

(1) 9/12/03 (2) 09/12/2003 (3) 09/12/03
 (4) _____ (5) _____ (6) _____

Whereas, **HITACHI GLOBAL STORAGE TECHNOLOGIES NETHERLANDS B.V.**, having a place of business at **Locatellikade 1, 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: **Toshiki HIRANO** City/State: **San Jose, California**
Signature Toshiki Hirano Date 9/12/03

(2) Inventor: **Ullal Vasant NAYAK** City/State: **San Jose, California**
Signature Ullal Vasant Nayak Date 9/14/2003

(3) Inventor: **Qinghua ZENG** City/State: **San Jose, California**
Signature Qinghua Zeng Date 09/12/03

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

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

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