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

1. Name of conveying party(ies):

Toshiki HIRANO

Ullal Vasant NAYAK

Qinghua ZENG

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

3. Nature of conveyance:

☒ Assignment☐ Merger☐ Security Agreement☐ Change of Name☐ Other _____

Execution Date: 09/12/2003 09/12/2003 09/12/2003

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

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)

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: 1

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

☐ Enclosed☒ Authorized to be charged to deposit account

8. Deposit account number:

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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.

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

Name of Person Signing

Signature

09/17/2003

Date

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

Mail documents to be recorded with required cover sheet information to:

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PATENT
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09/17/03

ASSIGNMENT

Whereas, /I/we,

(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:

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) 9/12/2003 (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 9/12/2003

(3) Inventor: **Qinghua ZENG**

City/State: **SAN JOSE, CA**

Signature Qinghua Zeng Date 09/12/03

(4) Inventor:

City/State:

Signature _____ Date _____

(5) Inventor:

City/State:

Signature _____ Date _____

(6) Inventor:

City/State:

Signature _____ Date _____