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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.

1. Name of conveying party(ies)

- 1. Jacey Robert Beaucage
- 2. Linden J. Crawforth
- 3. Xiao Z. Wu

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

2. Name and address of receiving party(ies)

Hitachi Global Storage Technologies

Name: Netherlands, B.V.

Internal Address: _____

Street Address: 5600 Cottle Road (NHGB/0142)

City: San Jose

State: California

Country: U.S.A.

Zip: 95193

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

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

Execution Date(s) 02/23/04, 02/24/04, 02/23/04

- 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)

Hitachi ID. No: HSJ9-2003-0128US2
 U. S. Attorney Docket No.: 0107-0084
 USPTO Application No.: 11/881,613

B. Patent No.(s)

Additional numbers attached? Yes No

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

Name: John J. Oskorep, Esq. LLC

Internal Address: _____

Street Address: One Magnificent Mile Center
980 North Michigan Avenue, Suite 1400

City: Chicago

State: Illinois Zip: 60611

Phone Number: 312-222-1860

Fax Number: 312-475-1850

Email Address: _____

6. Total number of applications and patents involved: 1

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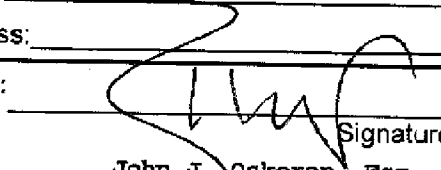
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Docket: HSI9-2003-0128US1

ASSIGNMENT

INVENTOR AND CITY

Whereas, we, Jacey Robert Beaucage, of San Jose, County of Santa Clara, State of California, Linden J. Crawford, of San Jose, County of Santa Clara, State of California, and Xiao Z. Wu, of San Jose, County of Santa Clara, State of California,

TITLE

METHODS AND APPARATUS FOR CONTROLLING THE LAPPING OF A SLIDER BASED ON AN AMPLITUDE OF A READBACK SIGNAL PRODUCED FROM AN EXTERNALLY APPLIED MAGNETIC FIELD

DATES THAT INVENTORS SIGNED THE

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

- (1) 2/23/04 (2) 2/24/04 (3) Feb 23, 04 (4) (5) (6) (7) (8)

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.

Signed and sealed

CITY DATE CITY DATE CITY DATE CITY DATE CITY DATE
(1) at San Jose on 2/23, 2004
(2) at San Jose on 2/24, 2004
(3) at San Jose on Feb 23, 2004
(4) at
(5) at

Jacey Robert Beaucage SIGNATURE INVENTOR
Linden J. Crawford SIGNATURE INVENTOR
Xiao Z. Wu SIGNATURE INVENTOR

JOHN J. OSKOREP, ESQ. LLC

ATTORNEY AT LAW

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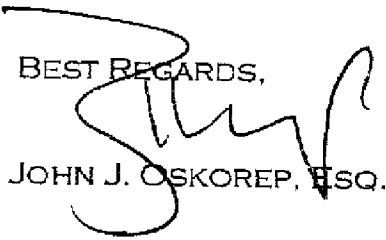
FROM:
JOHN J. OSKOREP, ESQ.

RE: RECORDATION OF ASSIGNMENT FOR PATENT APPLICATION TITLED:
**METHODS AND APPARATUS FOR CONTROLLING THE LAPPING OF A
SLIDER BASED ON AMPLITUDE OF A READBACK SIGNAL PRODUCED FROM
AN EXTERNALLY APPLIED MAGNETIC FIELD**
INVENTOR (S): **BEACAUGE ET AL.**
HITACHI DOCKET No.: **HSJ9-2003-0128US2**
U.S. ATTORNEY DOCKET No.: **0107-0084**
USPTO APPLICATION No.: **11/881,613**
FILING DATE.: **27 JULY 2007**

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OTHER:
DEAR ASSIGNMENT RECORDATION SERVICES:

PLEASE RECORD THE FOLLOWING ASSIGNMENT FOR THE ABOVE-IDENTIFIED PATENT APPLICATION. ATTACHED PLEASE FIND A COPY OF THE ASSIGNMENT AND A RECORDATION FORM COVER SHEET FOR THE SAME. THANK YOU.

BEST REGARDS,

JOHN J. OSKOREP, ESQ.

DATE: 3 March 2008