



04-22-2004



Institute Form PTO -1595		102727889 PATENTS ONLY	T	Patent Docket No. HSJ920030132US2			
To The Honorable Commissioner of Patents and trademarks: Please record the attached original documents or copy thereof.							
1. Name of conveying party(ies):  Ta-Chang Fu Stanley Yen Wong Tisha Jefferson		Execution date:  <u>March 29, 2004</u> <u>March 17, 2004</u> <u>February 10, 2004</u>					
2. Name and address of receiving party(ies): <b>Hitachi Global Storage Technologies Netherlands B.V.</b> <b>Locatellikade 1</b> <b>Parnassustoren</b> <b>1070 AZ Amsterdam</b> <b>The Netherlands</b>		3. Nature of conveyance:  <input checked="" type="checkbox"/> Assignment <input type="checkbox"/> Merger <input type="checkbox"/> Security Agreement <input type="checkbox"/> Change of Name <input type="checkbox"/> Other					
4. Application number(s) or patent number(s):  <input type="checkbox"/> New Patent Application, execution date of application <input checked="" type="checkbox"/> Patent Application Number: <u>10/650,881</u> <input type="checkbox"/> Patent Number: _____		Execution/Filing/Issue Date <u>March 29, 2004,</u> <u>March 17, 2004 and February 10, 2004</u> Execution Date <u>08/28/03</u> Filing Date _____ Issue Date _____					
5. Name and address of party to whom correspondence concerning document should be mailed:  <b>Customer Number 35975</b>  <b>Bracewell &amp; Patterson, L.L.P.</b> <b>P.O. Box 61389</b> <b>Houston, Texas 77208-1389</b>		6. Total number of applications and patents involved: <b>1</b>  7. Total fee (37 CFR 3.41). . . . . \$ <u>40.00</u> <input type="checkbox"/> Enclosed Check <input checked="" type="checkbox"/> Authorized to be charged to deposit account <input checked="" type="checkbox"/> Authorized to charge any deficiency to deposit account  8. Deposit account number:  <u>50-2587</u> (Attach duplicate copy of this page if paying by deposit account)					
<b>DO NOT USE THIS SPACE</b>							
9. Statement and signature <i>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.</i>  <table border="0" style="width: 100%;"><tr><td style="width: 35%;"><u>Michael E. Noe</u> Name of Person Signing</td><td style="width: 35%; text-align: center;"> Signature</td><td style="width: 30%; text-align: right;"><u>April 14, 2004</u> Date</td></tr></table> Total number of pages including cover sheet, attachments, and documents: 3					<u>Michael E. Noe</u> Name of Person Signing	 Signature	<u>April 14, 2004</u> Date
<u>Michael E. Noe</u> Name of Person Signing	 Signature	<u>April 14, 2004</u> Date					

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Mail documents to be recorded with required cover sheet information to:  
Commissioner of Patents & Trademarks, Box Assignments  
Washington, D.C. 20231

**PATENT**  
**REEL: 015230 FRAME: 0267**



ASSIGNMENT

- (1) Ta-Chang Fu of San Jose, Santa Clara County, California,
- (2) Stanley Yen Wong of San Jose, Santa Clara County, California; and
- (3) Tisha Jefferson of Greensboro, Guilford County, North Carolina,

have invented certain improvements in

**METHOD OF REDUCING FRICTION DURING BALANCE CLIP ADJUSTMENT IN  
HARD DISK DRIVE AND SPINDLE MOTOR BALANCE PROCESS**

and executed, respectively, a United States patent application therefor on (Date Inventor Signed Declaration) (1) 3/29, 2004, (2) 3/17, 2004, and  
(3) 2/10, 2004.

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 therefor;

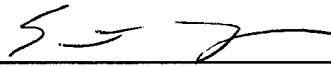
Now therefore, for a valuable consideration, receipt whereof is hereby acknowledged, we, the above named, hereby sell, assign, and transfer to **HITACHI**, its successors and assigns, the entire right, title and interest in the said application and invention therein disclosed for the United States and 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 invention 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) Signed at San Jose on March 29, 2004.

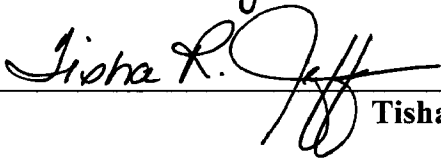
Ta-Chang Fu

**Ta-Chang Fu**

(2) Signed at SAN JOSE on MARCH 17, 2004.

  
\_\_\_\_\_  
Stanley Yen Wong

(3) Signed at Greensboro, NC on February 10, 2004.

  
\_\_\_\_\_  
Tisha Jefferson