

PATENT ASSIGNMENT

Electronic Version v1.1

Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT						
NATURE OF CONVEYANCE:	ASSIGNMENT						
CONVEYING PARTY DATA							
<table border="1"><thead><tr><th>Name</th><th>Execution Date</th></tr></thead><tbody><tr><td>Toshiki HIRANO</td><td>04/13/2006</td></tr><tr><td>Ullal V. NAYAK</td><td>04/21/2006</td></tr></tbody></table>	Name	Execution Date	Toshiki HIRANO	04/13/2006	Ullal V. NAYAK	04/21/2006	
Name	Execution Date						
Toshiki HIRANO	04/13/2006						
Ullal V. NAYAK	04/21/2006						
RECEIVING PARTY DATA							
Name:	HITACHI GLOBAL STORAGE TECHNOLOGIES NETHERLANDS B.V.						
Street Address:	Locatellikade 1, Parnassustoren						
City:	Amsterdam						
State/Country:	NETHERLANDS						
Postal Code:	1076 AZ						
PROPERTY NUMBERS Total: 1							
<table border="1"><thead><tr><th>Property Type</th><th>Number</th></tr></thead><tbody><tr><td>Application Number:</td><td>11412594</td></tr></tbody></table>	Property Type	Number	Application Number:	11412594			
Property Type	Number						
Application Number:	11412594						
CORRESPONDENCE DATA							
Fax Number:	(831)763-2895						
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>							
Phone:	408-938-9060						
Email:	klang@wmhpatents.com						
Correspondent Name:	Wagner Murabito & Hao LLP						
Address Line 1:	123 Westridge Drive						
Address Line 4:	Watsonville, CALIFORNIA 95076						
ATTORNEY DOCKET NUMBER:	HSJ920040392US1						
NAME OF SUBMITTER:	Kristel Lang						
Total Attachments: 1 source=HSJ920040392 ASSN#page1.tif							

CH \$40.00 11412594

ASSIGNMENTINVENTOR
AND CITY

Whereas, we

- (1) **Toshiki HIRANO** of San Jose, CA
(2) **Ullal V. NAYAK** of San Jose, CA

have invented certain improvements in

TITLE

**METHOD AND APPARATUS FOR DETECTING SLIDER/DISK FLY-HEIGHT MODULATION IN A
HARD DISK DRIVE**DATES THAT
INVENTORS
SIGNED

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

(1) 4/13/2006 (2) 4/21/2006

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 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

CITY
DATE(1) at San Jose
on Apr. 13, 2006,Toshiki Hirano SIGNATURE
Toshiki HIRANOCITY
DATE(2) at SAN JOSE
on Apr. 21, 2006,U. Vasanth Nayak SIGNATURE
Ullal V. NAYAK