

**PATENT ASSIGNMENT**

Electronic Version v1.1  
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<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT														
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT														
<b>CONVEYING PARTY DATA</b>															
<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width:70%;">Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>Yukinobu Abe</td> <td>06/13/2007</td> </tr> <tr> <td>Andre S. Chan</td> <td>06/05/2007</td> </tr> <tr> <td>Ferdinand Hendriks</td> <td>06/06/2007</td> </tr> <tr> <td>Masato Ikegawa</td> <td>06/07/2007</td> </tr> <tr> <td>Hiroshi Mukai</td> <td>06/07/2007</td> </tr> <tr> <td>Keiichi Takemori</td> <td>06/07/2007</td> </tr> </tbody> </table>		Name	Execution Date	Yukinobu Abe	06/13/2007	Andre S. Chan	06/05/2007	Ferdinand Hendriks	06/06/2007	Masato Ikegawa	06/07/2007	Hiroshi Mukai	06/07/2007	Keiichi Takemori	06/07/2007
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Keiichi Takemori	06/07/2007														
<b>RECEIVING PARTY DATA</b>															
<b>Name:</b>	HITACHI GLOBAL STORAGE TECHNOLOGIES NETHERLANDS B.V.														
<b>Street Address:</b>	Locatellikade 1, Parnassustoren														
<b>City:</b>	Amsterdam														
<b>State/Country:</b>	NETHERLANDS														
<b>Postal Code:</b>	1076 AZ														
<b>PROPERTY NUMBERS Total: 1</b>															
<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width:30%;">Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>11824197</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	11824197										
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Application Number:	11824197														
<b>CORRESPONDENCE DATA</b>															
<b>Fax Number:</b>	(831)722-2350														
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>															
<b>Phone:</b>	408-377-0500														
<b>Email:</b>	dchavez@wagnerblecher.com														
<b>Correspondent Name:</b>	Wagner Blecher LLP														
<b>Address Line 1:</b>	123 Westridge Drive														
<b>Address Line 4:</b>	Watsonville, CALIFORNIA 95076														
<b>ATTORNEY DOCKET NUMBER:</b>	HSJ920070009US1														
<b>NAME OF SUBMITTER:</b>	Desiree Chavez														

CH \$40.00 11824197

Total Attachments: 3

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Docket: HSJ920070009081

US Department of Commerce  
Patent & Trademark Office

ASSIGNMENT

Whereas, we

INVENTOR  
AND CITY

- (1) Yukinobu ABE, Chiba/Japan
- (2) Andre S. CHAN, Milpitas/CA
- (3) Ferdinand HENDRIKS, Morgan Hill/CA
- (4) Masato Ikegawa, Ibaraki/Japan
- (5) Hiroshi MUKAI, Ibaraki/Japan
- (6) Keiichi TAKEMORI, Ibaraki/Japan

have invented certain improvements in

TITLE

AN APPARATUS AND METHOD FOR REDUCING TURBULENCE OF AIRFLOW IN A HARD DISK DRIVE

DATES THAT  
INVENTORS  
SIGNED THE

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

- (1) 6/13/07 (2) \_\_\_\_\_ (3) \_\_\_\_\_ (4) 6/1/07 (5) 6/7/07 (6) 6/7/07

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

CITY  
DATE

(1) at Hitachinaka, Ibaraki, Japan  
on June 13, 2007,

阿部 行伸  
Yukinobu ABE SIGNATURE

CITY  
DATE

(2) at \_\_\_\_\_  
on \_\_\_\_\_, 2007,

\_\_\_\_\_  
Andre S. CHAN SIGNATURE

CITY  
DATE

(3) at \_\_\_\_\_  
on \_\_\_\_\_, 2007,

\_\_\_\_\_  
Ferdinand HENDRIKS SIGNATURE

CITY  
DATE

(4) at Hitachinaka, Ibaraki, Japan  
on June 7th, 2007,

池川 正人  
Masato IKEGAWA SIGNATURE

CITY  
DATE

(5) at Hitachinaka, Ibaraki, Japan  
on June 7th, 2007,

向井 寛  
Hiroshi MUKAI SIGNATURE

CITY  
DATE

(6) at Hitachinaka, Ibaraki, Japan  
on June 17th, 2007,

竹森 恵一  
Keiichi TAKEMORI SIGNATURE

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Whereas, we

INVENTOR  
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Signed

CITY	(1) at _____	_____	SIGNATURE
DATE	on _____, 2007,	Yukinobu ABE	

CITY	(2) at <u>SAN JOSE</u>	<u>Andre S. Chan</u>	SIGNATURE
DATE	on <u>6/5</u> , 2007,	Andre S. CHAN	

CITY	(3) at _____	_____	SIGNATURE
DATE	on _____, 2007,	Ferdinand HENDRIKS	

CITY	(4) at _____	_____	SIGNATURE
DATE	on _____, 2007,	Masato IKEGAWA	

CITY	(5) at _____	_____	SIGNATURE
DATE	on _____, 2007,	Hiroshi MUKAI	

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DATE	on _____, 2007,	Andre S. CHAN

CITY	(3) at <u>San Jose</u>	_____ SIGNATURE
DATE	on <u>6-6</u> , 2007,	Ferdinand HENDRIKS

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DATE	on _____, 2007,	Masato IKEGAWA

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DATE	on _____, 2007,	Keiichi TAKEMORI