

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>SHAOPING LI</td><td>03/11/2009</td></tr><tr><td>JINSHAN LI</td><td>03/18/2009</td></tr><tr><td>FENG LIU</td><td>03/11/2009</td></tr><tr><td>KUOK SAN HO</td><td>03/13/2009</td></tr></tbody></table> | | Name | Execution Date | SHAOPING LI | 03/11/2009 | JINSHAN LI | 03/18/2009 | FENG LIU | 03/11/2009 | KUOK SAN HO | 03/13/2009 |
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| SHAOPING LI | 03/11/2009 | | | | | | | | | | |
| JINSHAN LI | 03/18/2009 | | | | | | | | | | |
| FENG LIU | 03/11/2009 | | | | | | | | | | |
| KUOK SAN HO | 03/13/2009 | | | | | | | | | | |
| RECEIVING PARTY DATA | | | | | | | | | | | |
| Name: | WESTERN DIGITAL (FREMONT), LLC | | | | | | | | | | |
| Street Address: | 44100 OSGOOD ROAD | | | | | | | | | | |
| City: | FREMONT | | | | | | | | | | |
| State/Country: | CALIFORNIA | | | | | | | | | | |
| Postal Code: | 94539 | | | | | | | | | | |
| 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>12398837</td></tr></tbody></table> | | Property Type | Number | Application Number: | 12398837 | | | | | | |
| Property Type | Number | | | | | | | | | | |
| Application Number: | 12398837 | | | | | | | | | | |
| CORRESPONDENCE DATA | | | | | | | | | | | |
| Fax Number: | (949)672-6604 | | | | | | | | | | |
| <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i> | | | | | | | | | | | |
| Phone: | (949) 672-7871 | | | | | | | | | | |
| Email: | renee.quick@wdc.com | | | | | | | | | | |
| Correspondent Name: | WESTERN DIGITAL | | | | | | | | | | |
| Address Line 1: | ATTN: INTELLECTUAL PROPERTY DEPT. | | | | | | | | | | |
| Address Line 2: | 20511 LAKE FOREST DRIVE | | | | | | | | | | |
| Address Line 4: | LAKE FOREST, CALIFORNIA 92630 | | | | | | | | | | |
| ATTORNEY DOCKET NUMBER: | F3685 | | | | | | | | | | |
| NAME OF SUBMITTER: | Renee M. Quick | | | | | | | | | | |

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PATENT
REEL: 022658 FRAME: 0141

Total Attachments: 5

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ASSIGNMENT

Whereas, we, **SHAOPING LI**, a citizen of the **United States of America**, residing at **San Ramon, California**; **JINSHAN LI** a citizen of the **United States of America**, residing at **San Jose, California**; **FENG LIU**, a citizen of the **United States of America**, residing at **San Ramon, California**; and **KUOK SAN HO**, a citizen of the **United States of America**, residing at **Redwood City, California**, have invented certain new and useful improvements in **IMPROVED SERVO DESIGN IN DATA STORAGE MEDIA** (hereafter "Improvements") for which we have executed an application for a United States Patent filed **March 5, 2009**, Application No. **12/398,837** (hereafter "Application"); and

Whereas, **Western Digital (Fremont), LLC** (hereafter "Assignee"), a Delaware Corporation, desires to acquire the entire right, title, and interest in and to the Improvements and the Application.

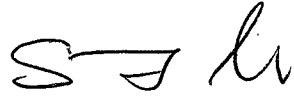
Now, therefore, that for good and valuable consideration, the receipt of which is hereby acknowledged, we hereby acknowledge that we have sold, assigned, transferred and set over, and by these presents do hereby sell, assign, transfer and set over, unto the Assignee, its successors, legal representatives and assignees, the entire right, title, and interest throughout the world in, to and under the Improvements, and the Application and all divisions, renewals and continuations thereof, and all Letters Patent of the United States which may be granted thereof and all reissues and extensions thereof, and all rights of priority under International Conventions and applications for Letters Patent which may hereafter be filed for the Improvements in any country or countries foreign to the United States and all extensions, renewals and reissues thereof; and we hereby authorize and request the Commissioner of Patents of the United States, and any Official of any country or countries foreign to the United States, whose duty it is to issue patents on applications as aforesaid, to issue all Letters Patents for the Improvements to the Assignee, its successors, legal representatives and assigns, in accordance with the terms of this instrument.

We hereby covenant and agree that we will communicate to the Assignee, its successors, legal representatives and assigns, any facts known to me respecting the Improvements, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuing and reissue applications, make all rightful oaths and aid the Assignee, its successors, legal representatives and assigns, to obtain and enforce proper patent protection for the Improvements in all countries.

ASSIGNMENT

PATENT
Atty. Docket No.: F3685

Title of Invention: **IMPROVED SERVO DESIGN IN DATA STORAGE MEDIA**



SHAOPING LI

03-11-09

Date

State of California)
) ss.
County of ALAMEDA)

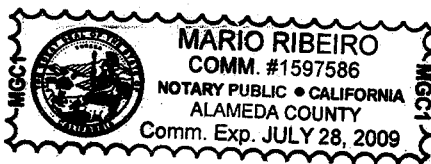
On 03/11/2009, before me, MARIO RIBEIRO, Notary Public, personally appeared **SHAOPING LI** who proved to me on the basis of satisfactory evidence to be the person whose name is subscribed to the within instrument and acknowledged to me that he/she executed the same in his/her authorized capacity, and that by his/her signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.




Notary Public



ASSIGNMENT

PATENT
Atty. Docket No.: F3685

Title of Invention: **IMPROVED SERVO DESIGN IN DATA STORAGE MEDIA**



JINSHAN LI

3/18/2009


Date

State of California)
) ss.
County of ALAMEDA)

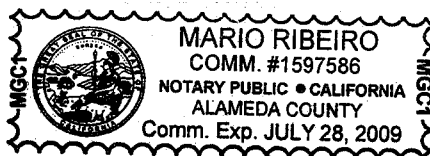
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Notary Public



ASSIGNMENT

PATENT
Atty. Docket No.: F3685

Title of Invention: **IMPROVED SERVO DESIGN IN DATA STORAGE MEDIA**



FENG LIU

March 11, 2009


Date

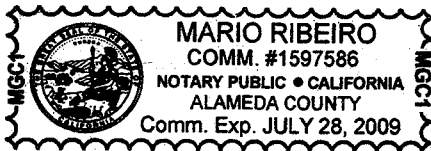
State of California)
) ss.
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Title of Invention: **IMPROVED SERVO DESIGN IN DATA STORAGE MEDIA**



KUOK SAN HO

03/13/09


Date

State of California)
) ss.
County of ALAMEDA)

On 03/18/2009, before me, MARIO RIBEIRO, Notary Public, personally appeared **KUOK SAN HO** who proved to me on the basis of satisfactory evidence to be the person whose name is subscribed to the within instrument and acknowledged to me that he/she executed the same in his/her authorized capacity, and that by his/her signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

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Notary Public

