

11-29-2004

REC



K35R1769

11.17.04

102890192

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)/Execution Date(s):**

1. Yiming HUAL  
2. Jinqiu ZHANG  
3. Jing ZHANG

1. 10/19/2004  
2. 10/08/2004  
3. 10/10/2004

Execution Date(s)

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

**3. Nature of conveyance:**

- ☒ Assignment ☐ Merger  
☐ Security Agreement ☐ Change of Name  
☐ Government Interest Assignment  
☐ Executive Order 9424, Confirmatory License  
☐ Other \_\_\_\_\_

**2. Name and address of receiving party(ies)**

Name: WESTERN DIGITAL (FREMONT), INC.

Internal Address: \_\_\_\_\_

Street Address: 44100 OSGOOD ROAD

City: FREMONT

State: CALIFORNIA

Country: USA Zip: 94539

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

**4. Application or patent number(s):**

A. Patent Application No.(s)

☒ This document is being filed together with a new application.

B. Patent No.(s)

Additional numbers attached? ☐ Yes ☒ No

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

Name: WESTERN DIGITAL TECHNOLOGIES, INC.

Internal Address: INTELLECTUAL PROPERTY DEPT.  
DOCKETING E118-G

Street Address: 20511 LAKE FOREST DRIVE

City: LAKE FOREST

State: CALIFORNIA Zip: 92630

Phone Number: (949) 672-7780

Fax Number: (949) 672-6604

Email Address: sandra.genua@wdc.com

**6. Total number of applications and patents involved:**

1

**7. Total fee (37 CFR 1.21(h) & 3.41) \$ 40.00**

- ☐ Authorized to be charged by credit card  
☒ Authorized to be charged to deposit account  
☐ Enclosed  
☐ None required (government interest not affecting title)

**8. Payment Information**

a. Credit Card Last 4 Numbers \_\_\_\_\_  
Expiration Date \_\_\_\_\_

b. Deposit Account Number 23-1055

Authorized User Name Joshua C. Harrison, Esq.

**9. Signature:**

Signature

November 17, 2004

Date

Joshua C. Harrison, Esq., Reg. No. 45,686

Name of Person Signing

Total number of pages including cover sheet, attachments, and documents:

4

Documents to be recorded (including cover sheet) should be faxed to (703) 306-5995, or mailed to:  
Mail Stop Assignment Recordation Services, Director of the USPTO, P.O.Box 1450, Alexandria, V.A. 22313-1450

PATENT  
REEL: 016012 FRAME: 0473

ASSIGNMENT

Whereas, I, **Yiming HUAI**, a citizen of the **United States**, residing at **Pleasanton, California**, have invented certain new and useful improvements in **NONMAGNETIC UNDERLAYER FORMED BY TWO STAGE DEPOSITION PROCESS IN MAGNETORESISTIVE TRANSDUCER** (hereafter "Improvements") for which I have executed an application for a United States Patent filed on **HEREWITH**, Application No. **UNKNOWN** (hereafter "Application"); and

Whereas, Western Digital (Fremont), Inc. (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, I, the inventor, do hereby acknowledge that I 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 I 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.

I hereby covenant and agree that I 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.

  
\_\_\_\_\_  
**Yiming HUAI**

10/19/2004  
\_\_\_\_\_  
Date

State of California            )  
                                      ) ss.  
County of                     )

On \_\_\_\_\_, before me, \_\_\_\_\_, Notary Public, personally appeared **Yiming HUAI** and 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 executed the same in his authorized capacity, and that by his signature on the instrument the person executed the instrument.

Witness my hand and official seal.

\_\_\_\_\_  
Notary Public

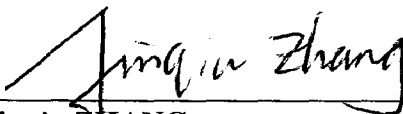
ASSIGNMENT

Whereas, I, **Jinriu ZHANG**, a citizen of **People's Republic of China**, residing at **Fremont, California**, have invented certain new and useful improvements in **NONMAGNETIC UNDERLAYER FORMED BY TWO STAGE DEPOSITION PROCESS IN MAGNETORESISTIVE TRANSDUCER** (hereafter "Improvements") for which I have executed an application for a United States Patent filed on **HEREWITH**, Application No. **UNKNOWN** (hereafter "Application"); and

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I hereby covenant and agree that I 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.

  
Jinriu ZHANG

10/08/04  
Date

State of California            )  
                                      ) ss.  
County of                     )

On \_\_\_\_\_, before me, \_\_\_\_\_, Notary Public, personally appeared **Jinriu ZHANG** and 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 executed the same in his authorized capacity, and that by his signature on the instrument the person executed the instrument.

Witness my hand and official seal.

\_\_\_\_\_  
Notary Public

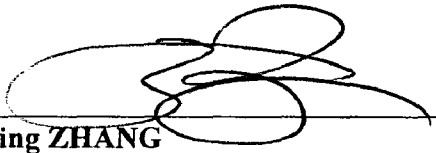
ASSIGNMENT

Whereas, I, **Jing ZHANG**, a citizen of **People's Republic of China**, residing at **San Jose, California**, have invented certain new and useful improvements in **NONMAGNETIC UNDERLAYER FORMED BY TWO STAGE DEPOSITION PROCESS IN MAGNETORESISTIVE TRANSDUCER** (hereafter "Improvements") for which I have executed an application for a United States Patent filed on **HEREWITH**, Application No. **UNKNOWN** (hereafter "Application"); and

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Jing ZHANG

10/10/2004  
Date

State of California            )  
                                      ) ss.  
County of                     )

On \_\_\_\_\_, before me, \_\_\_\_\_, Notary Public, personally appeared **Jing ZHANG** and 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 executed the same in his authorized capacity, and that by his signature on the instrument the person executed the instrument.

Witness my hand and official seal.

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Notary Public