

11-06-2006

Form PTO-1595 (Rev. 07/05)  
OMB No. 0651-0027 (exp. 6/30/2008)U.S. DEPARTMENT OF COMMERCE  
Patent and Trademark Office

103332778

A1793

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)

1. Yiduo Zhang
2. Drew B. Lawson
3. Tzong-Shii Pan
4. Darrell D. Palmer
5. Yih-Jen Chen

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

## 3. Nature of conveyance/Execution Date(s):

Execution Date(s) September 20, 2006

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

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

Name: WESTERN DIGITAL TECHNOLOGIES, INC.

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

Street Address: 20511 LAKE FOREST DRIVECity: LAKE FORESTState: CALIFORNIACountry: USA Zip: 92630Additional 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-GStreet Address: 20511 LAKE FOREST DRIVECity: LAKE FORESTState: CALIFORNIA Zip: 92630Phone Number: (949) 672-7780Fax Number: (949) 672-6604Email Address: sandra.genua@wdc.com6. Total number of applications and patents involved: One (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 23-1209Authorized User Name Milad G. Shara, Esq.

## 9. Signature:

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

Name of Person Signing

Signature

Date

10/31/2006Total number of pages including cover sheet, attachments, and documents: ☐Documents to be recorded (including cover sheet) should be faxed to (571) 273-0140, or mailed to:  
Mail Stop Assignment Recordation Services, Director of the USPTO, P.O.Box 1450, Alexandria, V.A. 22313-145011/03/2006 NJAMA1 00000029 231209 11590575  
01 FC:8021 40.00 DA112963 U.S. PTO  
11/590575

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PATENT  
REEL: 018487 FRAME: 0501

ASSIGNMENT

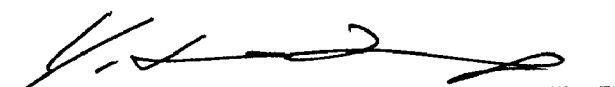
Whereas, we, **YIDUO ZHANG**, a citizen of **CHINA**, residing at **Cupertino, California**; **DREW B. LAWSON** a citizen of **USA**, residing at **Los Gatos, California**; **TZONG-SHII PAN**, a citizen of **USA**, residing at **San Jose, California**; **DARRELL D. PALMER**, a citizen of **USA**, residing at **Roseville, California**; and **YIH-JEN CHEN**, a citizen of **USA**, residing at **Fremont, California**, have invented certain new and useful improvements in **FLEXURE INCLUDING A HEAT SINK AND A DIELECTRIC LAYER UNDER TRACE TERMINATION PADS** (hereafter "Improvements") for which we have executed an application for a United States Patent filed **HEREWITH**, Application No. **UNKNOWN** (hereafter "Application"); and

Whereas, **Western Digital Technologies, 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, 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.

Title of Invention: **FLEXURE INCLUDING A HEAT SINK AND A DIELECTRIC LAYER UNDER TRACE TERMINATION PADS**

  
YIDUO ZHANG

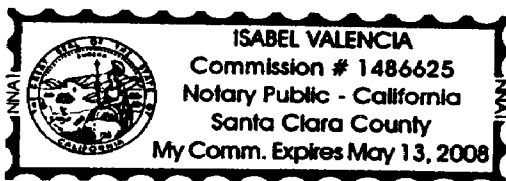
Sept 20, 2006  
Date

State of California )  
County of Santa Clara ) ss.

On September 20, 2006 before me, Isabel Valencia, Notary Public, personally appeared **YIDUO 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~~<sup>she</sup> executed the same in ~~his~~<sup>her</sup> authorized capacity, and that by ~~his~~<sup>her</sup> signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

WITNESS my hand and official seal.

  
Notary Public



Title of Invention: **FLEXURE INCLUDING A HEAT SINK AND A DIELECTRIC LAYER UNDER TRACE TERMINATION PADS**

Drew B. Lawson  
DREW B. LAWSON

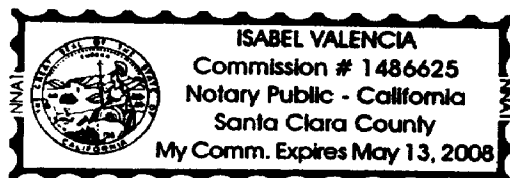
20 Sep 06  
Date

State of California )  
County of Santa Clara ) ss.

On September 20, 2006, before me, Isabel Valencia, Notary Public, personally appeared **DREW B. LAWSON** 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/~~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.

WITNESS my hand and official seal.

Isabel Valencia  
Notary Public



Title of Invention: **FLEXURE INCLUDING A HEAT SINK AND A DIELECTRIC LAYER UNDER TRACE TERMINATION PADS**

  
\_\_\_\_\_  
TZONG-SHII PAN

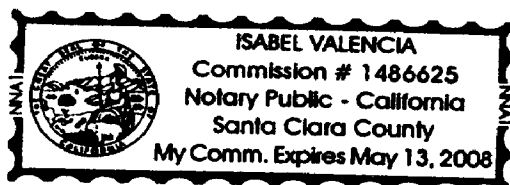
9/20/06  
Date

State of California )  
County of Santa Clara ) ss.

On September 29, 2006, before me, Isabel Valencia \_\_\_\_\_, Notary Public, personally appeared **TZONG-SHII PAN** 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~~ 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.

WITNESS my hand and official seal.

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



Title of Invention: **FLEXURE INCLUDING A HEAT SINK AND A DIELECTRIC LAYER UNDER TRACE TERMINATION PADS**

Darrell D. Palmer  
**DARRELL D. PALMER**

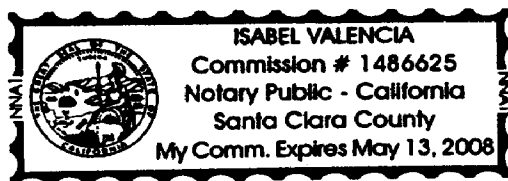
Sept 20, 2006  
Date

State of California )  
County of Santa Clara ) ss.

On September 20, 2006 before me, Isabel Valencia, Notary Public, personally appeared **DARRELL D. PALMER** 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, or the entity upon behalf of which the person acted, executed the instrument.

WITNESS my hand and official seal.

[Signature]  
Notary Public



Title of Invention: **FLEXURE INCLUDING A HEAT SINK AND A DIELECTRIC LAYER UNDER TRACE TERMINATION PADS**

*Yih-Jen D. Chen*  
and YIH-JEN CHEN

9/20/2006  
Date

State of California )  
County of Santa Clara ) ss.

On September 20, 2006 before me, Isabel Valencia, Notary Public, personally appeared and **YIH-JEN CHEN** 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, or the entity upon behalf of which the person acted, executed the instrument.

WITNESS my hand and official seal.

*Isabel Valencia*  
Notary Public

