

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>Mark D. Moravec</td><td>10/29/2011</td></tr><tr><td>Lei Wang</td><td>10/19/2011</td></tr><tr><td>Wentao Yan</td><td>10/19/2011</td></tr></tbody></table>		Name	Execution Date	Mark D. Moravec	10/29/2011	Lei Wang	10/19/2011	Wentao Yan	10/19/2011		
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RECEIVING PARTY DATA											
<table border="1"><tr><td>Name:</td><td>WESTERN DIGITAL (FREMONT), LLC</td></tr><tr><td>Street Address:</td><td>44100 OSGOOD ROAD</td></tr><tr><td>City:</td><td>FREMONT</td></tr><tr><td>State/Country:</td><td>CALIFORNIA</td></tr><tr><td>Postal Code:</td><td>94539</td></tr></table>		Name:	WESTERN DIGITAL (FREMONT), LLC	Street Address:	44100 OSGOOD ROAD	City:	FREMONT	State/Country:	CALIFORNIA	Postal Code:	94539
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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>13277993</td></tr></tbody></table>		Property Type	Number	Application Number:	13277993						
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Application Number:	13277993										
CORRESPONDENCE DATA											
Fax Number: (949)672-6604											
Phone: (949) 672-7871											
Email: susan.mcfarlane@wdc.com											
<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US Mail.</i>											
Correspondent Name: WESTERN DIGITAL											
Address Line 1: ATTN: IP LAW DEPARTMENT											
Address Line 2: 3355 MICHELSON DRIVE, SUITE 100											
Address Line 4: IRVINE, CALIFORNIA 92612											
ATTORNEY DOCKET NUMBER:	F4357										
NAME OF SUBMITTER:	Susan McFarlane										
Total Attachments: 4 source=F4357_asgn_EFS#page1.tif source=F4357_asgn_EFS#page2.tif source=F4357_asgn_EFS#page3.tif source=F4357_asgn_EFS#page4.tif											

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PATENT
REEL: 027291 FRAME: 0501

ASSIGNMENT

Whereas, we, **MARK D. MORAVEC**, a citizen of **the United States of America**, residing at **Gilroy, California**; **LEI WANG** a citizen of **the United States of America**, residing at **Fremont, California**; and **WENTAO YAN**, a citizen of **the United States of America**, residing at **Fremont, California**, have invented certain new and useful improvements in **LOCALIZED HEATING FOR FLIP CHIP BONDING** (hereafter "Improvements") for which we have executed an application for a United States Patent filed **October 20, 2011**, Application No. **13/277,993** (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.

PATENT
Atty. Docket No.: F4357


MARK D. MORAVEC

29-Oct-2011
Date

State of California)
County of) ss.
City of)

On _____, before me, _____, Notary Public, personally appeared **MARK D. MORAVEC** who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) 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.

Signature: _____
Signature of Notary Public

ASSIGNMENT

PATENT

Atty. Docket No.: F4357

Title of Invention: **LOCALIZED HEATING FOR FLIP CHIP BONDING**



LEI WANG

10/19/11

Date

State of California)
) ss.
County of ALAMEDA)

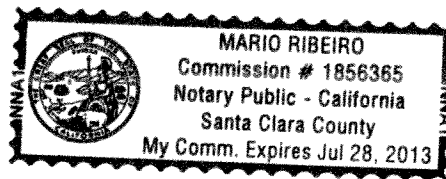
On 10/19/11, before me, MARIO RIBEIRO, Notary Public, personally appeared **LEI WANG** who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) 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.

Signature: 

Signature of Notary Public



ASSIGNMENT

PATENT

Atty. Docket No.: F4357

Title of Invention: **LOCALIZED HEATING FOR FLIP CHIP BONDING**


WENTAO YAN

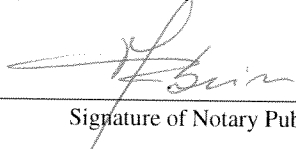
10/19/2011
Date

State of California)
) ss.
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On 10/19/11, before me, MARIO RIBEIRO, Notary Public, personally appeared **WENTAO YAN** who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

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