

PATENT ASSIGNMENT

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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>GREGORY TRAN</td><td>04/22/2010</td></tr><tr><td>YANNING LIU</td><td>04/22/2010</td></tr><tr><td>SIVABALAN GANISEN</td><td>04/22/2010</td></tr><tr><td>MUKESH PATEL</td><td>04/22/2010</td></tr></tbody></table>		Name	Execution Date	GREGORY TRAN	04/22/2010	YANNING LIU	04/22/2010	SIVABALAN GANISEN	04/22/2010	MUKESH PATEL	04/22/2010
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GREGORY TRAN	04/22/2010										
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SIVABALAN GANISEN	04/22/2010										
MUKESH PATEL	04/22/2010										
RECEIVING PARTY DATA											
Name:	WESTERN DIGITAL TECHNOLOGIES, INC.										
Street Address:	20511 LAKE FOREST DRIVE										
City:	LAKE FOREST										
State/Country:	CALIFORNIA										
Postal Code:	92630										
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>12764800</td></tr></tbody></table>		Property Type	Number	Application Number:	12764800						
Property Type	Number										
Application Number:	12764800										
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										
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Address Line 2:	20511 LAKE FOREST DRIVE										
Address Line 4:	LAKE FOREST, CALIFORNIA 92630										
ATTORNEY DOCKET NUMBER:	T4178										
NAME OF SUBMITTER:	Renee M. Quick										
Total Attachments: 5											

CH \$40.00 12764800

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PATENT
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ASSIGNMENT

Whereas, we, **Gregory Tran**, a citizen of the **United States of America**, residing at **Santa Clara, California**; **Yanning Liu** a citizen of **People's Republic of China**, residing at **San Ramon, California**; **Sivabalan Ganisen**, a citizen of **Malaysia**, residing at **San Jose, California**; and **Mukesh Patel**, a citizen of the **United States of America**, residing at **San Jose, California**, have invented certain new and useful improvements in **TEST RAMP FOR TESTING MICROACTUATORS USED IN A MULTI-HEAD DISK DRIVE** (hereafter "Improvements") for which we have executed an application for a United States Patent filed **April 21, 2010**, Application No. **12/764,800** (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.

ASSIGNMENT

PATENT
Atty. Docket No.: T4178

Title of Invention: TEST RAMP FOR TESTING MICROACTUATORS USED IN A MULTI-HEAD DISK DRIVE



Gregory Tran

4/22/10

Date

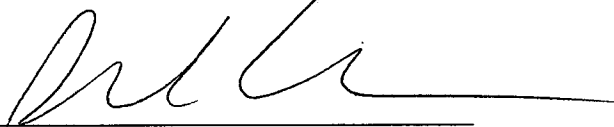
State of California)

County of Santa Clara) ss.

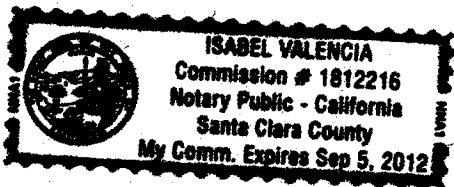
On April 22, 2010, before me, Isabel Valencia, Notary Public, personally appeared **Gregory Tran** who proved to me on the basis of satisfactory evidence to be the person whose name is subscribed to the within instrument and acknowledged to me that ~~he/she~~ executed the same in ~~his/her~~ authorized 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.



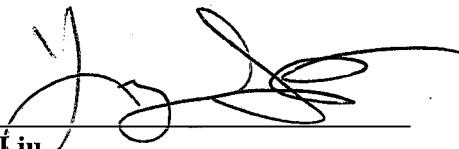
Notary Public



ASSIGNMENT

PATENT
Atty. Docket No.: T4178

Title of Invention: TEST RAMP FOR TESTING MICROACTUATORS USED IN A MULTI-HEAD DISK DRIVE



Yanning Liu

4/22/10

Date

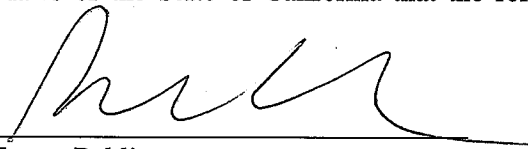
State of California)

County of Santa Clara) ss.

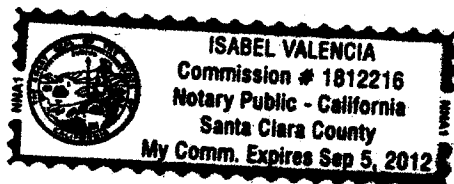
On April 22, 2010, before me, Isabel Valencia, Notary Public, personally appeared Yanning Liu who proved to me on the basis of satisfactory evidence to be the person whose name is subscribed to the within instrument and acknowledged to me that he/she executed the same in his/her authorized capacity, 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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WITNESS my hand and official seal.



Notary Public



ASSIGNMENT

PATENT
Atty. Docket No. T4178

Title of Invention: TEST RAMP FOR TESTING MICROACTUATORS USED IN A MULTI-
HEAD DISK DRIVE


Sivabalan Ganisen

4/22/2010
Date

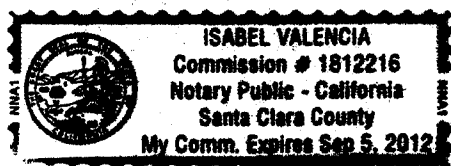
State of California)
County of Santa Clara) ss.

On April, 22, 2010, before me, Isabel Valencia, Notary Public, personally appeared Sivabalan Ganisen 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.: T4178

Title of Invention: TEST RAMP FOR TESTING MICROACTUATORS USED IN A MULTI-HEAD DISK DRIVE

Mukesh Patel
Mukesh Patel

4/22/2010
Date

State of California)
County of Santa Clara) ss.

On April 22, 2010, before me, Isabel Valencia, Notary Public, personally appeared Mukesh Patel 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.

Isabel Valencia
Notary Public

