

# PATENT ASSIGNMENT

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<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
CHEE WAI MAK	06/02/2011
CHEE WAI LAU	06/02/2011
SUTTISAK NILCHIM	06/03/2011
BURIN JINDASUAY	06/02/2011
PRAMOOK TOWORACHOT	06/02/2011
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	WESTERN DIGITAL TECHNOLOGIES, INC.
<b>Street Address:</b>	3355 MICHELSON DRIVE, SUITE 100
<b>City:</b>	IRVINE
<b>State/Country:</b>	CALIFORNIA
<b>Postal Code:</b>	92612
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	13115866
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(949)672-6604
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>	
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<b>Correspondent Name:</b>	WESTERN DIGITAL
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<b>Address Line 2:</b>	3355 MICHELSON DRIVE, SUITE 100
<b>Address Line 4:</b>	IRVINE, CALIFORNIA 92612
<b>ATTORNEY DOCKET NUMBER:</b>	T4615
<b>NAME OF SUBMITTER:</b>	Renee M. Quick

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**PATENT**  
**REEL: 026636 FRAME: 0970**

**Total Attachments: 6**

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ASSIGNMENT

Whereas, we, **CHEE WAI MAK**, a citizen of **SINGAPORE**, residing at **KIM TIAN PLACE, SINGAPORE**; **CHEE WAI LAU** a citizen of **MALAYSIA**, residing at **KLONGLUANG, THAILAND**; **SUTTISAK NILCHIM**, a citizen of **THAILAND**, residing at **TAKUAPA, THAILAND**; **BURIN JINDASUAY**, a citizen of **THAILAND**, residing at **MAHARAJ, THAILAND**; and **PRAMOOK TOWORACHOT**, a citizen of **THAILAND**, residing at **HUAY KWANG, THAILAND**, have invented certain new and useful improvements in **DISK DRIVE QUALIFYING HEAD/DISK INTERFACE USING JITTER SEEK EXCITATION** (hereafter "Improvements") for which we have executed an application for a United States Patent filed **May 25, 2011**, Application No. **13/115,866** (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.: T4615


Title of Invention: **DISK DRIVE QUALIFYING HEAD/DISK INTERFACE USING JITTER  
SEEK EXCITATION**

  
\_\_\_\_\_  
CHEE WAI MAK

2 JUNE 2011  
\_\_\_\_\_  
Date

Witnessed by:

KHSIM.   
\_\_\_\_\_  
Type/Print 1<sup>st</sup> Witness Name

  
\_\_\_\_\_  
1<sup>st</sup> Witness Signature

2 JUNE 2011  
\_\_\_\_\_  
Date

WARAPORN TEPIN  
\_\_\_\_\_  
Type/Print 2<sup>nd</sup> Witness Name

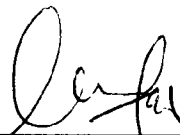
  
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2<sup>nd</sup> Witness Signature

2 JUNE 2011  
\_\_\_\_\_  
Date

ASSIGNMENT


PATENT  
Atty. Docket No.: T4615

Title of Invention: DISK DRIVE QUALIFYING HEAD/DISK INTERFACE USING JITTER  
SEEK EXCITATION

  
\_\_\_\_\_  
CHEE WAI LAU

2 JUNE 2011  
\_\_\_\_\_  
Date

Witnessed by:

  
\_\_\_\_\_  
Type/Print 1<sup>st</sup> Witness Name

  
\_\_\_\_\_  
1<sup>st</sup> Witness Signature

2-JUN-2011  
\_\_\_\_\_  
Date

  
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Type/Print 2<sup>nd</sup> Witness Name

  
\_\_\_\_\_  
2<sup>nd</sup> Witness Signature

2 JUNE 2011  
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Date

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PATENT  
Atty. Docket No.: T4615

Title of Invention: DISK DRIVE QUALIFYING HEAD/DISK INTERFACE USING JITTER  
SEEK EXCITATION

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สุตติสак นิลchim  
SUTTISAK NILCHIM

June 3, 2011  
Date

Witnessed by:

SUNISA PROMNOL  
สุนิสา พรหมนอล  
Type/Print 1<sup>st</sup> Witness Name

สุนิสา พรหมนอล  
1<sup>st</sup> Witness Signature

June 3, 2011  
Date

Pramook Toworachot  
Type/Print 2<sup>nd</sup> Witness Name

Pramook Toworachot  
2<sup>nd</sup> Witness Signature


June 3, 2011  
Date

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PATENT  
Atty. Docket No.: T4615

Title of Invention: **DISK DRIVE QUALIFYING HEAD/DISK INTERFACE USING JITTER  
SEEK EXCITATION**

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\_\_\_\_\_  
BURIN JINDASUAY

June 2<sup>nd</sup> 2011  
\_\_\_\_\_  
Date

Witnessed by:

PRAPHAN INJA  
\_\_\_\_\_  
Type/Print 1<sup>st</sup> Witness Name

  
\_\_\_\_\_  
1<sup>st</sup> Witness Signature

2 JUN. 2011  
\_\_\_\_\_  
Date

Attaphol Mahattano  
\_\_\_\_\_  
Type/Print 2<sup>nd</sup> Witness Name

  
\_\_\_\_\_  
2<sup>nd</sup> Witness Signature

2 June 2011  
\_\_\_\_\_  
Date

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PATENT  
Atty. Docket No.: T4615

Title of Invention: DISK DRIVE QUALIFYING HEAD/DISK INTERFACE USING JITTER  
SEEK EXCITATION

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Pramook Toworachot  
PRAMOOK TOWORACHOT

June 2, 2011  
Date

Witnessed by:

Charin Thongjantana  
Type/Print 1<sup>st</sup> Witness Name

[Signature]  
1<sup>st</sup> Witness Signature

June 2, 2011  
Date

SUTTISAK NILCHIM  
Type/Print 2<sup>nd</sup> Witness Name

[Signature]  
2<sup>nd</sup> Witness Signature

June 2, 2011  
Date