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PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT	
NATURE OF CONVEYANCE:	ASSIGNMENT	

CONVEYING PARTY DATA

Name	Execution Date
KENJI TASAKA	05/21/2018
YUICHIRO SANO	05/21/2018
EHSAN RISMANIYAZDI	05/29/2018
BARRY STIPE	05/23/2018
NOBUYUKI OKUNAGA	05/21/2018
ERHARD SCHRECK	05/22/2018
OSCAR RUIZ	05/22/2018
QING DAI	05/22/2018
SRIPATHI V. CANCHI	05/22/2018
WEIDONG HUANG	05/22/2018
YONG HU	05/22/2018
KENJI KUROKI	05/21/2018

RECEIVING PARTY DATA

Name:	WESTERN DIGITAL TECHNOLOGIES, INC.	
Street Address: 3355 MICHELSON DRIVE, SUITE 100		
City:	IRVINE	
State/Country:	CALIFORNIA	
Postal Code:	92612	

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	15996092

CORRESPONDENCE DATA

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PATENT -

REEL: 045966 FRAME: 0302 504941847

ATTORNEY DOCKET NUMBER:	WDA-3749-US
NAME OF SUBMITTER:	BRYAN J. MASSEY
SIGNATURE:	/Bryan J. Massey/
DATE SIGNED:	06/01/2018

Total Attachments: 3

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> PATENT REEL: 045966 FRAME: 0303

ASSIGNMENT FOR PATENT APPLICATION

Whereas, I/we the undersigned inventor(s) have invented certain improvements as set forth in the patent application entitled:

MAGNETIC STORAGE DEVICE WITH HEAT-ASSISTED MAGNETIC STORAGE HEAD AND ASSOCIATED METHOD OF MANUFACTURE

Whereas, Western Digital Technologies, Inc., having a place of business at, 3355 Michelson Drive, Suite 100, Irvine, California 92612, (hereinafter referred to as "WDT"), desires to acquire the entire right, title and interest in the said application and invention, and to any United States and foreign patents to be obtained therefore;

Now therefore, for a valuable consideration, receipt whereof is hereby acknowledged, I/we, the above named, hereby sell, assign, and transfer to WDT, its successors and assigns, the entire right, title and interest in the said application and invention therein disclosed for the United States and foreign countries, and all rights of priority resulting from the filling of said United States application, and we request the Commissioner of Patents to issue any Letters Patent granted upon the inventions set forth in said application to WDT, its successors and assigns; and we hereby agree that WDT may apply for foreign Letters Patent on said invention and we will execute all papers necessary in connection with the United States and foreign applications when called upon to do so by WDT.

Signed on the date(s) indicated beside my (our) signature(s).

-US

1)	Signature: <u>Yunh Jor Me G</u> Typed Name: Kenji Tasaka	Date: May 2/, 2018
2)	Signature: <u>Juichive Sane</u> Typed Name: Yuichiro Sano	Date: May 21, 2018
3)	Signature: Typed Name: Ehsan Rismaniyazdi	Date:
4)	Signature: <u>Barry Stipe</u> Typed Name: Barry Stipe	Date: <u>MAY 23, 20</u> 18
5)	Signature: <u>Julyuki Okunaga</u> Typed Name: Nobuyuki Okunaga	Date: <u>May 2/, 20/8</u>
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PATENT REEL: 045966 FRAME: 0304

Page 1 of 2

ASSIGNMENT FOR PATENT APPLICATION

Whereas, I/we the undersigned inventor(s) have invented certain improvements as set forth in the patent application entitled:

MAGNETIC STORAGE DEVICE WITH HEAT-ASSISTED MAGNETIC STORAGE HEAD AND ASSOCIATED METHOD OF MANUFACTURE

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Now therefore, for a valuable consideration, receipt whereof is hereby acknowledged, I/we, the above named, hereby sell, assign, and transfer to WDT, its successors and assigns, the entire right, title and interest in the said application and invention therein disclosed for the United States and foreign countries, and all rights of priority resulting from the filing of said United States application, and we request the Commissioner of Patents to issue any Letters Patent granted upon the inventions set forth in said application to WDT, its successors and assigns; and we hereby agree that WDT may apply for foreign Letters Patent on said invention and we will execute all papers necessary in connection with the United States and foreign applications when called upon to do so by WDT.

Signed on the date(s) indicated beside my (our) signature(s).

1)	Signature:	Date:
	Typed Name: Kenji Tasaka	
2)	Signature:	Date:
	Typed Name: Yuichiro Sano	
3)	Signature:	Date: <u>05/29/2018</u>
- <i>7</i>	Typed Name: Ehsan Rismaniyazdi	Date VIII EUI D
4)	Signature:	Date:
	Typed Name: Barry Stipe	
5)	Signature:	Date:
5000 % 00	Typed Name: Nobuyuki Okunaga	***************************************

WDT Docket Number: WDA-3749

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PATENT REEL: 045966 FRAME: 0305

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Signature: Maryi Mored Typed Name: Konji Kuroki	Signature: Yong Hu	Signature: Weidowg Huang	Signature: John N. Canchi	Signature: Charles Typed Name: Qing Dai	Signature: Signature: Oscar Ruiz	Signature Comments Signature Com
Date	Date	Mr. Date:	Date:	Date:		accommend of the second of the
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May 21, 20/8	5/26/201	722/2	8/02/22/2	May 22 :	5/22/18	8/1/20/5
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