PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT6183248

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
XIAOYONG LIU	06/08/2020
JI LI	06/20/2020
CHANGHE SHANG	06/08/2020
DANIELE MAURI	06/12/2020
YUKIMASA OKADA	06/08/2020

RECEIVING PARTY DATA

Name:	WESTERN DIGITAL TECHNOLOGIES, INC.
Street Address:	5601 GREAT OAKS PARKWAY
City:	SAN JOSE
State/Country:	CALIFORNIA
Postal Code:	95119

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	16918848

CORRESPONDENCE DATA

Fax Number: (713)623-4846

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Phone: 7136234844

Email: psdocketing@pattersonsheridan.com,

hwong@pattersonsheridan.com

Correspondent Name: PATTERSON + SHERIDAN, LLP

Address Line 1: 24 GREENWAY PLAZA, SUITE 1600

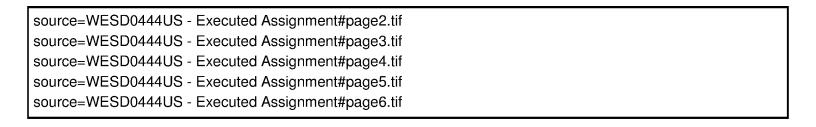
Address Line 4: HOUSTON, TEXAS 77046

ATTORNEY DOCKET NUMBER: WESD/0444US (WDA-5001-US)	
NAME OF SUBMITTER:	STEVEN H. VERSTEEG
SIGNATURE:	/STEVEN H. VERSTEEG/
DATE SIGNED:	07/02/2020

Total Attachments: 6

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PATENT REEL: 053108 FRAME: 0872



PATENT REEL: 053108 FRAME: 0873

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

MAGNETIC READ SENSORS AND RELATED METHODS HAVING A REAR HARD BIAS AND NO AFM LAYER

Whereas, Western Digital Technologies, Inc., having a place of business at, 5601 Great Oaks Parkway, San Jose, California 95119, (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 filing of said United States application; I/we agree that electronic signatures, whether digital or encrypted, of this Assignment have the same force and effect as manual or wet signatures; I/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; I/we hereby agree that WDT may apply for foreign Letters Patent on said invention; and I/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:	6/8/2020
	Typed Name: Xiaoyong LIU		
2)	Signature:	Date:	
	Typed Name: Jerry LI		
3)	Signature:	Date:	
	Typed Name: Changhe SHANG		
4)	Signature:	Date:	
	Typed Name: Daniele MAURI		
5)	Signature:	Dates	<u> </u>
	Typed Name: Yukimasa OKADA		

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1)	Signature:	Date:
	Typed Name: Xiaoyong LIU	
2)	Signature:	Date: 2520.6.20
	Typed Name: Ji LI	
3)	Signature:	Date:
	Typed Name: Changhe SHANG	
4)	Signature:	Date:
	Typed Name: Daniele MAURI	
5)	Signature:	Date:
	Typed Name: Yukimasa OKADA	

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1)	Signature:	Date:
	Typed Name: Xiaoyong LIU	
2)	Signature:	Date:
	Typed Name: Jerry LI	
3)	Signature: an S Typed Name: Changhe SHANG	Date: 06/08/2020
4)	Signature: Typed Name: Daniele MAURI	Date:
5)	Signature: Typed Name: Yukimasa OKADA	Date:

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	Typed Name: Jerry LI	
3)	Signature:	Date:
	Typed Name: Changhe SHANG	
4)	Signature: Fruiele Hauri	Date: 06 / 12 / 2020
	Typed Name: Daniele MAURI	
5)	Signature:	Date:
	Typed Name: Yukimasa OKADA	

WDT Docket Number WDA-5001-US

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3)	Typed Name: Jerry LI Signature:	Date:
4)	Typed Name: Changhe SHANG Signature:	Date:
5)	Typed Name: Daniele MAURI Signature: 4. Okada Typed Name: Yukimasa OKADA	Date: <u>06/08/2020</u>

WDT Docket Number WDA-5001-US

RECORDED: 07/02/2020

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PATENT REEL: 053108 FRAME: 0879