506285057 10/01/2020

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT6331805

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
SUPING SONG	09/17/2019
ZHANJIE LI	09/20/2020
TERENCE LAM	09/17/2019
LIJIE GUAN	09/17/2019

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:	17039840

CORRESPONDENCE DATA

Fax Number:

Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.

Email: csingleton@pattersonsheridan.com

Correspondent Name: STEVEN H. VERSTEEG
Address Line 1: 24 GREENWAY PLAZA

Address Line 2: SUITE 1600

Address Line 4: HOUSTON, TEXAS 77046

ATTORNEY DOCKET NUMBER: WESD/0332D1(WDA-4448-I-US	
NAME OF SUBMITTER:	STEVEN H. VERSTEEG
SIGNATURE:	/Steven H. VerSteeg/
DATE SIGNED:	10/01/2020

Total Attachments: 2

source=WESD0332USD01_ASSIGNMENT#page1.tif source=WESD0332USD01_ASSIGNMENT#page2.tif

PATENT REEL: 053953 FRAME: 0531

506285057

ASSIGNMENT FOR PATENT APPLICATION

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

MAGNETIC RECORDING DEVICES USING VIRTUAL SIDE SHIELDS FOR IMPROVED AREAL DENSITY CAPABILITY

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, 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: Sugnature:	Date: 9/17/2019
	Typed Name: Suping SONG	
2)	Signature:	Date:
	Typed Name: Zhanjie LI	
3)	Signature: <u>Thum</u> Cham	Date: <u>9/17/2019</u>
	Typed Name: Terence LAM	
4)	Signature:	Date: <u>8/17/23/</u>
	Typed Name: Liiie GUAN	•

WDT Docket Number WDA-4448-US

Page 1 of 1

ASSIGNMENT FOR PATENT APPLICATION

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

MAGNETIC RECORDING DEVICES USING VIRTUAL SIDE SHIELDS FOR IMPROVED AREAL DENSITY CAPABILITY

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, 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.

WDT Docket Number WDA-4448-US

RECORDED: 10/01/2020

Page I of I