505675911 09/17/2019

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
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SUSUMU OKAMURA	05/11/2017
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RECEIVING PARTY DATA

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State/Country:	CALIFORNIA	
Postal Code:	95119	

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	16572551

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NAME OF SUBMITTER:	STEVEN H. VERSTEEG	
SIGNATURE:	/Steven H. VerSteeg/	
DATE SIGNED:	09/17/2019	

Total Attachments: 1

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PATENT REEL: 050401 FRAME: 0728

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ASSIGNMENT FOR PATENT APPLICATION

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

SPIN TRANSFER TORQUE DEVICE WITH OXIDE LAYER BENEATH THE SEED 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, 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) 2) Signature: Typed Name: Susumu Okamura Signature: 3) Typed Name: Masahiko Hashimoto 4) Typed Name: Zheng Gao 5) Signature: Date: Typed Name: Signature: 6) Date: Typed Name: 7) Signature: Typed Name:

WDT Docket Number SDA-3160-US1

RECORDED: 09/17/2019

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