

## PATENT ASSIGNMENT COVER SHEET

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EPAS ID: PAT4622907

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
STEVEN TZU-YEN PENG	06/22/2017
GREGORY A. VANDERPOL	07/28/2017
MARK F. STERZICK	07/28/2017
YVES BEHAR	05/22/2017
WILLIAM STUART	07/28/2017
MIRKO IHRIG	05/15/2017
JUEUN CHOI	05/13/2017
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	WESTERN DIGITAL TECHNOLOGIES, INC.
<b>Street Address:</b>	5601 GREAT OAKS PARKWAY
<b>City:</b>	SAN JOSE
<b>State/Country:</b>	CALIFORNIA
<b>Postal Code:</b>	95119
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	29599985
<b>CORRESPONDENCE DATA</b>	
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<b>Phone:</b>	949-760-0404
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<b>Correspondent Name:</b>	KNOBBE MARTENS OLSON & BEAR LLP
<b>Address Line 1:</b>	2040 MAIN STREET, 14TH FLOOR
<b>Address Line 4:</b>	IRVINE, CALIFORNIA 92614
<b>ATTORNEY DOCKET NUMBER:</b>	SILSP.305DP1
<b>NAME OF SUBMITTER:</b>	VLADIMIR LOZAN
<b>SIGNATURE:</b>	/Vladimir S. Lozan/
<b>DATE SIGNED:</b>	10/02/2017

**Total Attachments: 8**

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**PATENT**

**REEL: 043759 FRAME: 0105**

## ASSIGNMENT

WHEREAS, **Steven Tzu-Yen Peng**, residing in Irvine, California, **Gregory A. Vanderpol**, residing in Long Beach, California, **Mark F. Sterzick**, residing in Torrance, California, **Yves Behar**, residing in San Francisco, California, **William Stuart**, residing in San Francisco, California, **Mirko Ihrig**, residing in Hamburg, Germany, and **Jueun Choi**, residing in Seoul, Republic of Korea, (individuals hereinafter "ASSIGNOR"), invented certain new and useful improvements, technology, inventions, developments, ideas, ornamental design, or discoveries related to DATA STORAGE DEVICE (collectively hereinafter referred to as the "Work") for which an application for Letters Patent in the United States has been filed (identified above) with the United States Patent and Trademark Office (hereinafter the "Application");

AND WHEREAS, **WESTERN DIGITAL TECHNOLOGIES, INC.**, a Delaware Corporation, having an address at 5601 Great Oaks Parkway, San Jose, CA, 95119 (hereinafter the "ASSIGNEE"), desires to acquire the entire right, title, and interest in and to the Application and the Work:

NOW, THEREFORE, for good and valuable consideration, the receipt of which is hereby acknowledged, ASSIGNOR hereby acknowledges that ASSIGNOR has sold, assigned, transferred, and set over, and by these presents does hereby sell, assign, transfer, and set over, unto said ASSIGNEE, its successors, legal representatives, and assigns, the entire right, title, and interest throughout the world in the Application and the Work, including all provisional applications relating thereto, and all nonprovisional applications claiming priority thereto, including, all divisions, continuations, continuations-in-part, reissues, and reexaminations thereof, and all Letters Patent of the United States which may be granted thereon and all reissues and extensions thereof, and all rights of priority under International Conventions and any related Letters Patent which may hereafter be granted or filed in any country or countries foreign to the United States (including but not limited to priority application CN Patent Application No. ZL 201630179770.7, filed May 14, 2016), all extensions, renewals, and reissues thereof; and ASSIGNOR hereby authorizes and requests 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 related Letters Patent to the ASSIGNEE, its successors, legal representatives, and assigns, in accordance with the terms of this instrument.

AND ASSIGNOR DOES HEREBY sell, assign, transfer, and convey to ASSIGNEE, its successors, legal representatives, and assigns all claims for damages and all remedies arising out of any violation of the rights assigned hereby that may have accrued prior to the date of assignment to ASSIGNEE, or may accrue hereafter, including, but not limited to, the right to sue for, collect, and retain damages for past infringements of said Letters Patent before or after issuance.

AND ASSIGNOR DOES HEREBY covenant and agree that ASSIGNOR will communicate to said ASSIGNEE, its successors, legal representatives, and assigns, any facts known to ASSIGNOR respecting the Work, and testify in any legal proceeding, assist in the preparation of any other provisional or non-provisional applications relating to the Application and the Work or any improvements made thereto, sign all lawful papers, authorize the filing of and execute and make all rightful oaths and/or declarations in connection with the Application and the Work including any improvements made thereto, any patent applications filed therefrom, and any continuing application filed from any of the aforementioned applications, and generally do everything possible to aid the ASSIGNEE, its successors, legal representatives, and assigns, to obtain and enforce proper patent protection for the Work in all countries.

Application No.: 29/599,985  
Filing Date: April 7, 2017

Docket Number: SDA-3074-US-SILSP.305DP1  
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**Legal Name of inventor: Steven Tzu-Yen Peng**

Signature: /Steven Tzu-Yen Peng/ Date: 6/22/17

**Legal Name of inventor: Gregory A. Vanderpol**

Signature: /Gregory A VanderPol/ Date: 7/28/17

Application No.: 29/599,985  
Filing Date: April 7, 2017

Docket Number: SDA-3074-US-SILSP.305DP1  
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**Legal Name of inventor: Mark F. Sterzick**

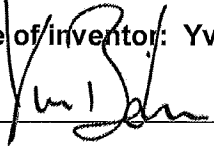
Signature: /Mark Sterzick/ Date: 7/28/2017

Application No.: 29/599,985  
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Legal Name of Inventor: Yves Behar

Signature:  \_\_\_\_\_ Date: 5.22.2017

**Legal Name of inventor: William Stuart**

Signature: /William Stuart/ Date: 28<sup>th</sup> July 2017



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**Legal Name of inventor: Mirko Ihrig**

Signature: /Mirko Ihrig/ Date: 05/15/2017

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**Legal Name of inventor: Jueun Choi**

Inventor Signature: /Jueun Choi/

Date: May 13, 2017

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