

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
SHINOBU HAGIYA	03/31/2020
HIROYASU TSUCHIDA	03/31/2020
TZONG-SHII PAN	03/30/2020
HARUKI NITTA	05/07/2020
YOSHINOBU NOGUCHI	05/07/2020
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:	16835016
CORRESPONDENCE DATA	
Fax Number:	
<i>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.</i>	
Phone:	408 578 8556
Email:	john@henkhaus-law.com
Correspondent Name:	JOHN D. HENKHAUS
Address Line 1:	7052 SANTA TERESA BLVD
Address Line 2:	# 203
Address Line 4:	SAN JOSE, CALIFORNIA 95139-1348
ATTORNEY DOCKET NUMBER:	WDA-4749-US_WD136
NAME OF SUBMITTER:	JOHN D. HENKHAUS
SIGNATURE:	/John D. Henkhaus/
DATE SIGNED:	05/09/2020
Total Attachments: 2	

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ASSIGNMENT

Whereas, we, **SHINOBU HAGIYA**, residing at **Fujisawa, Kanagawa, Japan**; **HIROYASU TSUCHIDA**, residing at **Fujisawa, Kanagawa, Japan**; **TZONG-SHII PAN**, residing at **Santa Clara, California**; **HARUKI NITTA**, residing at **Machida, Tokyo, Japan**; and **YOSHINOBU NOGUCHI**, residing at **Yokohama, Kanagawa, Japan**;, have invented certain new and useful improvements in **PIEZOELECTRIC-BASED MICROACTUATOR ARRANGEMENT FOR MITIGATING OUT-OF-PLANE FORCE AND PHASE VARIATION OF FLEXURE VIBRATION** (hereafter “Improvements”) for which we have executed an application for a United States Patent filed **MARCH 30, 2020**, Application No. **16/835,016** (hereafter “Application”); and

Whereas, **Western Digital Technologies, Inc.** (hereafter “Assignee”), a Delaware Corporation, having a place of business at 5601 Great Oaks Parkway, San Jose, California 95119, desires to acquire the entire right, title, and interest in and to the Improvements and the Application.

Now, therefore, that for good and valuable consideration, the receipt of which is hereby acknowledged, we hereby acknowledge that we have sold, assigned, transferred and set over, and by these presents do hereby sell, assign, transfer and set over, unto the Assignee, its successors, legal representatives and assignees, the entire right, title, and interest throughout the world in, to and under the Improvements, and the Application and all provisionals, divisions, renewals and continuations thereof, and all Letters Patent of the United States which may be granted thereof and all reissues and extensions thereof, and all rights of priority under International Conventions and applications for Letters Patent which may hereafter be filed for the Improvements in any country or countries foreign to the United States and all extensions, renewals and reissues thereof; and we hereby authorize and request 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 Letters Patents for the Improvements to the Assignee, its successors, legal representatives and assigns, in accordance with the terms of this instrument.

We hereby covenant and agree that we will communicate to the Assignee, its successors, legal representatives and assigns, any facts known to us respecting the Improvements, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuing and reissue applications, make all rightful oaths and aid the Assignee, its successors, legal representatives and assigns, to obtain and enforce proper patent protection for the Improvements in all countries.

This agreement shall be deemed to have been executed and delivered within the State of California, and the rights and obligations of the parties hereunder shall be construed and enforced in accordance with, and governed by, the laws of the State of California without regard to any principles of conflict of laws that would result in the application of the laws of any other jurisdiction. In the event a judicial proceeding is necessary, the exclusive forums for resolving disputes arising under or relating to this agreement shall be the state and federal courts located within the County of Orange, California, and all related appellate courts and the parties hereby consent to the exclusive jurisdiction of such courts, and hereby waive any and all objections based on venue or forum non conveniens.

Title of Invention: **PIEZOELECTRIC-BASED MICROACTUATOR ARRANGEMENT FOR MITIGATING OUT-OF-PLANE FORCE AND PHASE VARIATION OF FLEXURE VIBRATION**

The parties agree that this agreement may be electronically signed. The parties agree that the electronic signatures appearing on this agreement are the same as handwritten signatures for the purposes of validity, enforceability and admissibility.

Shinobu Hagiya Mar 31, 2020

 Shinobu Hagiya (Mar 31, 2020)
SHINOBU HAGIYA (DATE)

Hiroyasu Tsuchida Mar 31, 2020

 Hiroyasu Tsuchida (Mar 31, 2020)
HIROYASU TSUCHIDA (DATE)

Tzong-Shii Pan Mar 30, 2020

 Tzong-Shii Pan (Mar 30, 2020)
TZONG-SHII PAN (DATE)

Haruki Nitta May 7, 2020

 Haruki Nitta (May 7, 2020)
HARUKI NITTA (DATE)

Yoshinobu Noguchi May 7, 2020

 Yoshinobu Noguchi (May 7, 2020)
YOSHINOBU NOGUCHI (DATE)