

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
TAKEHIKO HAMAGUCHI	06/28/2019
HIROSHI IDE	06/28/2019
RECEIVING PARTY DATA	
Name:	WESTERN DIGITAL TECHNOLOGIES, INC.
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City:	SAN JOSE
State/Country:	CALIFORNIA
Postal Code:	95119
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	16456242
CORRESPONDENCE DATA	
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ATTORNEY DOCKET NUMBER:	WDA-4423-US
NAME OF SUBMITTER:	HOWARD H. SHEERIN
SIGNATURE:	/Howard H. Sheerin/
DATE SIGNED:	06/28/2019
This document serves as an Oath/Declaration (37 CFR 1.63).	
Total Attachments: 2	
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ASSIGNMENT

Whereas, we, **Takehiko Hamaguchi**, a citizen of **Japan**, residing at **Kangawa, Japan**; and **Hiroshi Ide**, a citizen of **Japan**, residing at **Tokyo, Japan**, have invented certain new and useful improvements in **DATA STORAGE DEVICE GENERATING PES RRO AND DATA SECTOR SQUEEZE RRO FOR A PLURALITY OF ZONES** (hereafter "Improvements") for which we have executed an application for a United States Patent (hereafter "Application"); and

Whereas, **Western Digital Technologies, Inc.** (hereafter "Assignee"), a Delaware Corporation, 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 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.

ASSIGNMENT

PATENT

Atty. Docket No.: WDA-4423-US

Title of Invention: **DATA STORAGE DEVICE GENERATING PES RRO AND DATA SECTOR SQUEEZE RRO FOR A PLURALITY OF ZONES**

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

Takehiko Hamaguchi
Takehiko Hamaguchi / Jun 28, 2019

Takehiko Hamaguchi

Jun 28, 2019

Date

Hiroshi Ide
Hiroshi Ide / Jun 28, 2019

Hiroshi Ide

Jun 28, 2019

Date