

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT3469282

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
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NING ZHENG	07/30/2015
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Property Type	Number
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Total Attachments: 3	
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ASSIGNMENT

Whereas, we, **YIMING CHEN**, a citizen of **China(People's Republic)**, residing at **Irvine, California**; and **NING ZHENG**, a citizen of **China(People's Republic)**, residing at **Troy, New York**, have invented certain new and useful improvements in **DATA STORAGE DEVICE COMPRISING TWO-DIMENSIONAL DATA DEPENDENT NOISE WHITENING FILTERS FOR TWO-DIMENSIONAL RECORDING** (hereafter "Improvements") for which we have executed an application for a United States Patent filed **March 20, 2015**, Application No. **14/664,570** (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.

