505681819 09/19/2019

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT5728627

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
STEVEN C. RUDY	11/17/2015
CHRISTOPHER L. BEAUDRY	11/18/2015
SHAOPING LI	11/23/2015

RECEIVING PARTY DATA

Name:	WESTERN DIGITAL (FREMONT), LLC	
Street Address:	44100 OSGOOD ROAD	
City:	FREMONT	
State/Country:	CALIFORNIA	
Postal Code:	94539	

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	15988122

CORRESPONDENCE DATA

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Phone: 2026725300

Email: IPDocketing@Foley.com **FOLEY & LARDNER LLP Correspondent Name:** Address Line 1: 3000 K STREET, N.W. Address Line 4: WASHINGTON, D.C. 20007

ATTORNEY DOCKET NUMBER: 035905-6088	
NAME OF SUBMITTER:	PAUL S. HUNTER
SIGNATURE:	/Paul S. Hunter/
DATE SIGNED:	09/19/2019

Total Attachments: 3

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PATENT REEL: 050438 FRAME: 0625 505681819

503582486 11/23/2015

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT3629114

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
STEVEN C. RUDY	11/17/2015
CHRISTOPHER L. BEAUDRY	11/18/2015
SHAOPING LI	11/23/2015

RECEIVING PARTY DATA

Name:	WESTERN DIGITAL (FREMONT), LLC
Street Address:	44100 OSGOOD ROAD
City:	FREMONT
State/Country:	CALIFORNIA
Postal Code:	94539

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	14560731

CORRESPONDENCE DATA

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Email: paulette.halili@wdc.com
Correspondent Name: WESTERN DIGITAL

Address Line 1: ATTN: IP LAW DEPARTMENT

Address Line 2: 3355 MICHELSON DRIVE, SUITE 100

Address Line 4: IRVINE, CALIFORNIA 92612

ATTORNEY DOCKET NUMBER: F7383

NAME OF SUBMITTER: PAULETTE HALILI

SIGNATURE: /Paulette Halili/
DATE SIGNED: 11/23/2015

Total Attachments: 2

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> PATENT REEL: 050438 FRAME: 0626

503582486

Atty. Docket No.: F7383

ASSIGNMENT

Whereas, we, STEVEN C. RUDY, a citizen of the United States of America, residing at CARMEL VALLEY, California; CHRISTOPHER L. BEAUDRY, a citizen of the United States of America, residing at SAN JOSE, California; and SHAOPING LI, a citizen of the United States of America, residing at SAN RAMON, California, have invented certain new and useful improvements in STRIPE HEIGHT LAPPING CONTROL STRUCTURES FOR A MULTIPLE SENSOR ARRAY (hereafter "Improvements") for which we have executed an application for a United States Patent filed December 4, 2014, Application No. 14/560,731 (hereafter "Application"); and

Whereas, **Western Digital (Fremont), LLC** (hereafter "Assignee"), a Delaware limited liability company, 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.

ASSIGNMENT PATENT
Atty. Docket No.: F7383

Title of Invention: STRIPE HEIGHT LAPPING CONTROL STRUCTURES FOR A MULTIPLE SENSOR ARRAY

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.

STEVEN C. RUDY

CHRISTOPHER L. BEAUDRY

AMAOPINO UZ (NOV 23, 2015)

SHAOPING LI

RECORDED: 09/29/2019 REEL: 050438 FRAME: 0628