

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT4660739

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
NIANG-CHU CHEN	10/19/2017
XIAOHENG CHEN	10/18/2017
MARK JOSEPH DANCHO	10/18/2017
JUN TAO	10/20/2017
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:	15789890
CORRESPONDENCE DATA	
Fax Number:	(949)851-9348
<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:	949-851-0633
Email:	smanriquez@mwe.com
Correspondent Name:	MCDERMOTT WILL & EMERY LLP
Address Line 1:	4 PARK PLAZA, SUITE 1700
Address Line 4:	IRVINE, CALIFORNIA 92614-2559
ATTORNEY DOCKET NUMBER:	069985-0773
NAME OF SUBMITTER:	ANDREW D. MICKELSEN, REG. NO. 50,957
SIGNATURE:	/Andrew D. Mickelsen/
DATE SIGNED:	10/26/2017
Total Attachments: 5	
source=069985-0773_Assignment#page1.tif	
source=069985-0773_Assignment#page2.tif	
source=069985-0773_Assignment#page3.tif	

source=069985-0773_Assignment#page4.tif

source=069985-0773_Assignment#page5.tif

ASSIGNMENT

WHEREAS We, the undersigned, have made a certain invention as set forth in an application for United States Letters Patent, entitled DYNAMIC MULTI-STAGE DECODING, filed on October 20, 2017, and identified by United States Patent Application No. 15/789,890, and We, the undersigned, authorize and request the practitioners appointed in said application to insert the filing date and application number of said application, when known;

AND WHEREAS, Western Digital Technologies, Inc. (the "Entity"), a corporation of Delaware and having an address of 5601 Great Oaks Parkway, San Jose, California 95119, is desirous of acquiring the entire rights, title and interests in and to said invention and in and to any and all Letters Patent and certificates of the United States, foreign countries and all regions worldwide which may be obtained therefor;

NOW, THEREFORE, for good and valuable consideration, the receipt for and sufficiency of which is hereby acknowledged, We, the undersigned, do hereby sell, assign, transfer and set over unto the Entity, its legal representatives, successors, and assigns, the entire rights, title and interests in and to said application and said invention worldwide, including the right to claim priority, including any applications worldwide based in whole or in part on said application and/or in whole or in part on said invention as well as the right to apply for any such applications worldwide, including any international and foreign applications filed under any international or foreign patent law or treaty (including the Patent Cooperation Treaty, the European Patent Convention, the Paris Convention for the Protection of Industrial Property, and all other treaties of like purposes, including the rights to all benefits thereunder), and including any provisionals, non-provisionals, continuations, continuations-in-part, divisions, reissues, re-examinations, inter partes reviews, post grant reviews, covered business methods, national stages, regional stages and extensions thereof, and in and to any and all patents and certificates of the United States, foreign countries and all regions worldwide which may be issued based in whole or in part on said application and/or in whole or in part on said invention, including the right to enforce such patents and certificates, including the right to sue for injunctions and recover damages and attorney fees for past, present and future infringements;

UPON SAID CONSIDERATIONS, We, the undersigned, hereby agree with said assignee that We, the undersigned, will not execute any writing or do any act whatsoever conflicting with these presents, and that We, the undersigned, will, at any time upon request, without further or additional consideration but at the expense of said assignee, execute such additional assignments and other writings and do such additional acts as said assignee may deem necessary or desirable to perfect said assignee's enjoyment of this assignment, and render all necessary assistance in making application for and obtaining original, provisional, non-provisional, continuation, continuation-in-part, divisional, reissue, re-examination, inter partes review, post grant review, covered business method, national stage, regional stage and extension Letters Patent and certificates of the United States and/or of any and all foreign countries and regions based in whole or in part on said application and/or in whole or in part on said invention, and in enforcing any rights or choses in action accruing as a result of such applications, patents or certificates, by giving testimony in any proceedings or transactions involving such applications, patents or certificates, and by executing preliminary statements and other affidavits, it being understood that the foregoing covenant and agreement shall bind, and inure to the benefit of heirs, executors, administrators, assigns and legal representatives of said assignor and assignee;

Docket No.: 069985-0773

AND We, the undersigned, authorize and request all Letters Patent and certificates based on said application and/or said invention to be issued to the Entity, its legal representatives, successors or assigns, as the sole owner of the entire rights, title and interests in and to said patents, said certificates and said invention hereby assigned.

Undersigned:

10-19-2017

Date

Niang-Chu Chen

Niang-Chu CHEN
Irvine, California

Date

Xiaoheng CHEN
Dublin, California

Date

Mark Joseph DANCHO
Chandler, Arizona

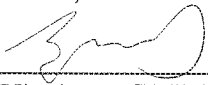
Date

Jun TAO
Ladera Ranch, California

Docket No.: 069985-0773

AND We, the undersigned, authorize and request all Letters Patent and certificates based on said application and/or said invention to be issued to the Entity, its legal representatives, successors or assigns, as the sole owner of the entire rights, title and interests in and to said patents, said certificates and said invention hereby assigned.

Undersigned:

Date	Niang-Chu CHEN Irvine, California
10/18/2018	
Date	Xiaoheng CHEN Dublin, California
Date	Mark Joseph DANCHO Chandler, Arizona
Date	Jun TAO Ladera Ranch, California

Docket No.: 069985-0773

AND We, the undersigned, authorize and request all Letters Patent and certificates based on said application and/or said invention to be issued to the Entity, its legal representatives, successors or assigns, as the sole owner of the entire rights, title and interests in and to said patents, said certificates and said invention hereby assigned.

Undersigned:

_____ Date	_____ Niang-Chu CHEN Irvine, California
---------------	---

_____ Date	_____ Xiaoheng CHEN Dublin, California
---------------	--

<u>18 Oct 2017</u> Date	<u>Mark Joseph Dancho</u> Mark Joseph DANCHO Chandler, Arizona
----------------------------	--

_____ Date	_____ Jun TAO Ladera Ranch, California
---------------	--

Docket No.: 069985-0773


AND We, the undersigned, authorize and request all Letters Patent and certificates based on said application and/or said invention to be issued to the Entity, its legal representatives, successors or assigns, as the sole owner of the entire rights, title and interests in and to said patents, said certificates and said invention hereby assigned.

Undersigned:

Date	Niang-Chu CHEN
	Irvine, California

Date	Xiaoheng CHEN
	Dublin, California

Date	Mark Joseph DANCHO
	Chandler, Arizona

10/20/2017	
Date	Jun FAO
	Ladera Ranch, California