

## PATENT ASSIGNMENT COVER SHEET

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EPAS ID: PAT5188877

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
SANDISK LLC	06/25/2018
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	WESTERN DIGITAL TECHNOLOGIES, INC.
<b>Street Address:</b>	5601 GREAT OAKS PARKWAY
<b>City:</b>	SAN JOSE
<b>State/Country:</b>	CALIFORNIA
<b>Postal Code:</b>	95119
<b>PROPERTY NUMBERS Total: 2</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	15299255
<b>Application Number:</b>	15645182
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(408)801-9019
<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>	
<b>Phone:</b>	4088012863
<b>Email:</b>	simona.benjamin@wdc.com
<b>Correspondent Name:</b>	WESTERN DIGITAL TECHNOLOGIES
<b>Address Line 1:</b>	951 SANDISK DRIVE
<b>Address Line 2:</b>	LEGAL DEP./SIMONA BENJAMIN
<b>Address Line 4:</b>	MILPITAS, CALIFORNIA 95035
<b>ATTORNEY DOCKET NUMBER:</b>	FLV CO/SD LLC TO WD TECH
<b>NAME OF SUBMITTER:</b>	SIMONA BENJAMIN
<b>SIGNATURE:</b>	/SB/
<b>DATE SIGNED:</b>	10/15/2018
<b>Total Attachments: 4</b>	
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**ASSIGNMENT**

WHEREAS, **SanDisk LLC** ("Assignor"), a Delaware limited liability company, having an address at 5601 Great Oaks Parkway, San Jose, California 95119 U.S.A., is desirous of assigning all patents, patent applications and inventions (collectively, the "Patents") that Assignor owns, including the Patents that Assignor solely owns or jointly owns, and including the Patents listed in the attached Patent Schedule (all of the foregoing collectively, the "Patent Assets"); and

WHEREAS, **Western Digital Technologies, Inc.** ("Assignee"), a Delaware corporation, having an address at 5601 Great Oaks Parkway, San Jose, California 95119 U.S.A., is desirous of acquiring Assignor's entire rights, title and interests in and to the Patent Assets.

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, this assignment is hereby entered into as follows:

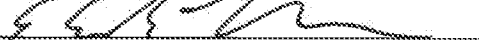
Assignor agrees to and does hereby assign, transfer and grant to Assignee, its legal representatives, successors, and assigns, Assignor's entire rights, title and interests in and to the Patent Assets worldwide whether existed in the past, exist now or come into existence later, including all United States ("U.S."), non-U.S. and regional patents and patent applications worldwide (i) that claim priority, directly or indirectly, from any of the Patent Assets, (ii) from which any of the Patent Assets claims priority, directly or indirectly, or (iii) that claim any common priority, directly or indirectly, with any of the Patent Assets, including all inventions in any of the foregoing, including all applications, international applications, regional applications, national applications, national stage applications, provisional applications, non-provisional applications, continuations, continuations-in-part, divisionals, substitutes, reexaminations, inter partes review applications, post grant review applications, covered business method applications, reissues, and extensions of any of the foregoing, including all patents, registrations, certificates, governmental grants, and renewals of any of the foregoing, including all rights to claim priority, file applications, and obtain grants, renewals and extensions in connection with any of the foregoing, including all rights to assert, defend and recover title in connection with any of the foregoing, and including all rights to sue and recover for any past, present and future infringement, misappropriation, violation, damages, lost profits, royalties, and payments in connection with any of the foregoing, in each case, as may have existed in the past, exist now or come into existence in the future throughout the world. Assignee accepts all of such rights, title and interests assigned herein.

Assignor does hereby agree with said assignee that Assignor will, without further or additional consideration, 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 or to carry out the purposes of this assignment. The words "include" and "including," and variations thereof, will not be deemed to be terms of limitation, but rather will be deemed to be followed by the word "without limitation." This assignment will be governed by and construed in accordance with the laws of the State of Delaware, without regard to its choice of law principles.

Assignor authorizes and requests all Letters Patent and certificates based on any of the Patent Assets (including the foregoing patents, patent applications, and inventions) to be issued to Assignee, its legal representatives, successors, and assigns, in accordance with the terms of this assignment.

IN WITNESS WHEREOF, the parties have executed this assignment as of the last date written below.

**SanDisk LLC**

By 

Name: E. Earle Thompson

Title: Vice President, Chief IP Counsel

Date: May 18, 2018

**Western Digital Technologies, Inc.**

By 

Name: David Dutcher

Title: Assistant General Counsel

Date: June 25, 2018

**Patent Schedule**

(Attached)

Patent Schedule

COUNTRY	APPLN NO.	FILING DATE	LOCAL FILING DATE	PATENT NO.	ISSUE DATE
CN	02143467.0	Jun 27, 2002		ZL02143467.0	Jul 6, 2007
CN	200710153755.5	Jun 27, 2002	Sep 20, 2007	ZL200710153755.5	Feb 8, 2012
CN	200380109217.6	Dec 18, 2003		ZL200380109217.6	Oct 6, 2010
CN	200480026763.8	Sep 16, 2004	Mar 7, 2006	ZL200480026763.8	Oct 12, 2011
CN	201110204417.6	Sep 16, 2004		ZL201110204417.6	Jul 16, 2014
CN	200480030734.9	Oct 12, 2004		ZL200480030734.9	Apr 14, 2010
DE	02254491.0	Jun 26, 2002		1271553	Jun 13, 2007
DE	070063441	Jun 26, 2002		1814122	May 15, 2013
DE	03815779.8	Dec 18, 2003		1588379	Feb 27, 2008
DE	070760277	Dec 18, 2003		1975942	Jun 6, 2012
DE	04784376.8	Sep 16, 2004		1665285	Apr 23, 2008
DE	080043458	Sep 16, 2004		2015310	Nov 9, 2011
DE	04795181.9	Oct 12, 2004		1678722	Jan 19, 2011
EP	02254491.0	Jun 26, 2002		1271553	Jun 13, 2007
EP	07006344.1	Jun 26, 2002		1814122	May 15, 2013
EP	03815779.8	Dec 18, 2003	Jul 11, 2005	1588379	Feb 27, 2008
EP	07076027.7	Dec 18, 2003		1975942	Jun 6, 2012
EP	02001104.5	Jan 23, 2002		1324343	May 7, 2014
EP	04784376.8	Sep 16, 2004	Mar 7, 2006	1665285	Apr 23, 2008
EP	08004345.8	Sep 16, 2004		2015310	Nov 9, 2011
EP	04795181.9	Oct 12, 2004		1678722	Jan 19, 2011
FR	02254491.0	Jun 26, 2002		1271553	Jun 13, 2007
FR	070063441	Jun 26, 2002		1814122	May 15, 2013
FR	3815779.8	Dec 18, 2003		1588379	Feb 27, 2008
FR	070760277	Dec 18, 2003		1975942	Jun 6, 2012
FR	04784376.8	Sep 16, 2004		1665285	Apr 23, 2008
FR	080043458	Sep 16, 2004		2015310	Nov 9, 2011
FR	04795181.9	Oct 12, 2004		1678722	Jan 19, 2011
GB	02254491.0	Jun 26, 2002		1271553	Jun 13, 2007
GB	070063441	Jun 26, 2002		1814122	May 15, 2013
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GB	070760277	Dec 18, 2003		1975942	Jun 6, 2012
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GB	04795181.9	Oct 12, 2004		1678722	Jan 19, 2011
IT	02254491.0	Jun 26, 2002		1271553	Jun 13, 2007
IT	03815779.8	Dec 18, 2003		1588379	Feb 27, 2008
IT	04784376.8	Sep 16, 2004		1665285	Apr 23, 2008
JP	2003-336058	Aug 23, 2004			
JP	2008-278171	Oct 29, 2008			
JP	2013-192442	Sep 17, 2013	Sep 17, 2013		
JP	2013-152037	Jul 22, 2013	Jul 22, 2013		
JP	2002-187020	Jun 27, 2002		4221196	Nov 21, 2008
JP	2004-568035	Dec 18, 2003	Jul 11, 2005	4648006	Dec 17, 2010
JP	2004-304919	Sep 17, 2004	Mar 7, 2006	5198717	Feb 15, 2013
JP	2004-76471	Mar 17, 2004		4646534	Dec 17, 2010
JP	2008-548758	Dec 27, 2006	Jun 27, 2008	4934149	Feb 24, 2012

KR	2006-7007560	Oct 12, 2004		10-1161429	Jun 25, 2012
KR	2012-7009782	Oct 12, 2004	Apr 16, 2012	10-1323843	Oct 24, 2013
NL	02254491.0	Jun 26, 2002		1271553	Jun 13, 2007
NL	070063441	Jun 26, 2002		1814122	May 15, 2013
NL	03815779.8	Dec 18, 2003		1588379	Feb 27, 2008
NL	070760277	Dec 18, 2003		1975942	Jun 6, 2012
NL	04784376.8	Sep 16, 2004		1665285	Apr 23, 2008
NL	080043458	Sep 16, 2004		2015310	Nov 9, 2011
NL	04795181.9	Oct 12, 2004		1678722	Jan 19, 2011
TW	093128293	Sep 17, 2004		I264009	Oct 11, 2006
TW	091113894	Jun 25, 2002		I199878	Aug 3, 2004
TW	93101054	Jan 15, 2004		I323466	Apr 11, 2010
TW	093131854	Oct 20, 2004		I262506	Sep 21, 2006
TW	095149282	Dec 27, 2006		I333263	Nov 11, 2010
US	15/299,255	Oct 20, 2016		9,734,899	Aug 15, 2017
US	15/645,182	Jul 10, 2017			
WO	US03/040361	Dec 18, 2003			
WO	US2004/030493	Sep 16, 2004			
WO	JP04/12420	Aug 23, 2004			
WO	JP04/12419	Aug 23, 2004			
WO	US04/033984	Oct 12, 2004			
WO	US06/049531	Dec 27, 2006			