

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT4638443

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
ROI KIRSHENBAUM	09/10/2017
KARIN INBAR	09/11/2017
IDAN GOLDENBERG	10/01/2017
NIAN NILES YANG	09/08/2017
RAMI ROM	09/17/2017
ALEXANDER BAZARSKY	09/14/2017
ARIEL NAVON	10/01/2017
PHILIP REUSSWIG	09/12/2017
RECEIVING PARTY DATA	
Name:	WESTERN DIGITAL TECHNOLOGIES, INC.
Street Address:	3355 MICHELSON DRIVE
Internal Address:	SUITE 100
City:	IRVINE
State/Country:	CALIFORNIA
Postal Code:	92612
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	15640356
CORRESPONDENCE DATA	
Fax Number:	(949)760-9502
<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:	949-760-0404
Email:	EFILING@KNOBBE.COM
Correspondent Name:	KNOBBE, MARTENS, OLSON & BEAR, LLP
Address Line 1:	2040 MAIN STREET
Address Line 2:	14TH FLOOR
Address Line 4:	IRVINE, CALIFORNIA 92614
ATTORNEY DOCKET NUMBER:	SILSP.330A2
NAME OF SUBMITTER:	VLADISLAV Z. TEPLITSKIY

PATENT

SIGNATURE:	/Vladislav Z. Teplitskiy/
DATE SIGNED:	10/12/2017
	This document serves as an Oath/Declaration (37 CFR 1.63).
Total Attachments: 9 source=Assignment-330A2#page1.tif source=Assignment-330A2#page2.tif source=Assignment-330A2#page3.tif source=Assignment-330A2#page4.tif source=Assignment-330A2#page5.tif source=Assignment-330A2#page6.tif source=Assignment-330A2#page7.tif source=Assignment-330A2#page8.tif source=Assignment-330A2#page9.tif	

COMBINED DECLARATION & ASSIGNMENT (37 CFR 1.63(e))

Application Data Sheet filed previously or concurrently

Docket No.: SILSP.330A2

Page 1 of 9

Title: OPERATING PARAMETER OFFSETS IN SOLID STATE MEMORY DEVICES

Inventors: Roi Kirshenbaum, Karin Inbar, Idan Goldenberg, Nian Niles Yang, Rami Rom, Alexander Bazarsky, Ariel Navon, Philip Phil Reusswig

Declaration

This Declaration is directed to the application identified above that:

Was filed **June 30, 2017** as U.S. or International Application No. **15/640356** and incorporating any amendments made thereto prior to the signature date of this Declaration.

As a named inventor, I declare that:

The above-identified application was made or authorized to be made by me.

I believe that I am the original inventor or an original joint inventor of a claimed invention in the application.

I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 USC 1001 by fine or imprisonment of not more than five (5) years, or both.

I have reviewed and understand the contents of the above-identified application, including the claims, as amended by any amendment.

I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR 1.56.

Assignment from Inventors

WHEREAS, **above-identified inventors** (individual(s) hereinafter "ASSIGNOR") invented certain new and useful improvements, technology, inventions, developments, ideas, ornamental designs, or discoveries, and hereby assign or are under an obligation to assign to the below identified Assignee the above-titled application (collectively hereinafter referred to as the "Work") for which an application for Letters Patent in the United States (identified above) has been prepared for filing with the United States Patent and Trademark Office (hereinafter the "Application").

AND WHEREAS, **Western Digital Technologies, Inc.**, with its principal place of business at 3355 Michelson Drive, Suite 100, Irvine, CA 92612 (hereinafter the "ASSIGNEE"), desires to acquire the entire right, title, and interest in and to the Application and the Work.

NOW, THEREFORE, for good and valuable consideration of which receipt is hereby acknowledged, ASSIGNOR hereby acknowledges that ASSIGNOR has sold, assigned, transferred and set over, and by these presents does hereby sell, assign, transfer and set over, unto said ASSIGNEE, its successors, legal representatives and assigns, the entire right, title, and interest throughout the world in the Application and the Work, including all Patent Properties filed or issued upon the Application and the Work; where "Patent Properties" include, but are not limited to:

all nonprovisional applications claiming priority to aforementioned provisional(s) and/or the present Application, including, all divisions, continuations, continuations-in-part, and reissues, and all Letters Patent of the United States which may be granted thereon and all reissues and extensions thereof; and

all rights of priority under International Conventions and any related Letters Patent which may hereafter be granted or filed in any country or countries foreign to the United States, all extensions, renewals and reissues thereof.

ASSIGNOR hereby acknowledges the ASSIGNEE as the Applicant for all aforementioned Patent Properties, and authorizes and requests the Commissioner of Patents of the United States, and any

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Inventors: Roi Kirshenbaum, Karin Inbar, Idan Goldenberg, Nian Niles Yang, Rami Rom, Alexander Bazarsky, Ariel Navon, Philip Phil Reusswig

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 related Letters Patent to the ASSIGNEE, its successors, legal representatives and assigns, in accordance with the terms of this instrument.

AND ASSIGNOR DOES HEREBY sell, assign, transfer, and convey to ASSIGNEE, its successors, legal representatives, and assigns all claims for damages and all remedies arising out of any violation of the rights assigned hereby that may have accrued prior to the date of assignment to ASSIGNEE, or may accrue hereafter, including, but not limited to, the right to sue for, collect, and retain damages for past infringements of said Letters Patent before or after issuance.

AND ASSIGNOR DOES HEREBY covenant and agree that ASSIGNOR will communicate to said ASSIGNEE, its successors, legal representatives and assigns, any facts known to ASSIGNOR respecting the Work, and testify in any legal proceeding, assist in the preparation of any other Patent Property relating to the Application and the Work or any improvements made thereto, sign/execute all lawful papers, authorize the filing of and execute and make all rightful oaths and/or declarations in connection with the Application and the Work including any improvements made thereto, any patent applications filed therefrom, and any continuing application filed from any of the aforementioned applications, and generally do everything possible to aid the ASSIGNEE, its successors, legal representatives and assigns, to obtain and enforce proper patent protection for the Work in all countries.

Legal Name of inventor: Roi Kirshenbaum

IN TESTIMONY WHEREOF, I hereunto set my hand and seal this 10 day of 9

20 17

Signature: [Signature]

Signature before a Notary is desirable but not required. When signed in presence of a Notary, please attach the appropriate notarial documentation.

COMBINED DECLARATION & ASSIGNMENT (37 CFR 1.63(e))

Application Data Sheet filed previously or concurrently

Docket No.: SILSP.330A2

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Title: OPERATING PARAMETER OFFSETS IN SOLID STATE MEMORY DEVICES

Inventors: Roi Kirshenbaum, Karin Inbar, Idan Goldenberg, Nian Niles Yang, Rami Rom, Alexander Bazarsky, Ariel Navon, Philip Phil Reusewig

Legal Name of Inventor: Karin Inbar

IN TESTIMONY WHEREOF, I hereunto set my hand and seal this 11th day of Sept,
2021

Signature: Karin

Signature before a Notary is desirable but not required. When signed in presence of a Notary, please attach the appropriate notarial documentation.

COMBINED DECLARATION & ASSIGNMENT (37 CFR 1.63(e))

Application Data Sheet filed previously or concurrently

Docket No.: SILSP.230A2

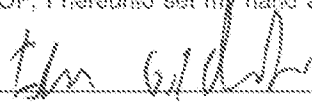
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Title: OPERATING PARAMETER OFFSETS IN SOLID STATE MEMORY DEVICES

Inventors: Roi Kirshenbaum, Karin Inbar, Idan Goldenberg, Nian Niles Yang, Rami Rom, Alexander Bazarisky, Ariel Navon, Philip Phil Reusswig

Legal Name of inventor: Idan Goldenberg

IN TESTIMONY WHEREOF, I hereunto set my hand and seal this 1 day of October, 2017.

Signature: 

Signature before a Notary is desirable but not required. When signed in presence of a Notary, please attach the appropriate notarial documentation.

COMBINED DECLARATION & ASSIGNMENT (37 CFR 1.63(e))

Application Data Sheet filed previously or concurrently

Docket No.: SILSP.330A2

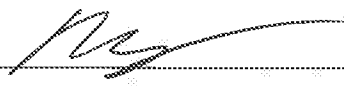
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Title: OPERATING PARAMETER OFFSETS IN SOLID STATE MEMORY DEVICES

Inventors: Roi Kirshenbaum, Karin Inbar, Idan Goldenberg, Nian Niles Yang, Rami Rom, Alexander Bazarsky, Ariel Navon, Philip Phil Reusswig

Legal Name of inventor: Nian Niles Yang

IN TESTIMONY WHEREOF, I hereunto set my hand and seal this 8th day of September, 2013.

Signature: 

Signature before a Notary is desirable but not required. When signed in presence of a Notary, please attach the appropriate notarial documentation.

PATENT

REEL: 043853 FRAME: 0452

COMBINED DECLARATION & ASSIGNMENT (37 CFR 1.63(e))

Application Data Sheet filed previously or concurrently

Docket No.: SILSP.330A2

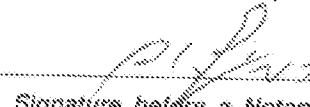
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Title: OPERATING PARAMETER OFFSETS IN SOLID STATE MEMORY DEVICES

Inventors: Roi Kirshenbaum, Karin Inbar, Idan Goldenberg, Nian Niles Yang, Rami Rom, Alexander Bazarisky, Ariel Navon, Philip Phil Reusswig

Legal Name of Inventor: Rami Rom

IN TESTIMONY WHEREOF, I hereunto set my hand and seal this 17 day of September 2017

Signature: 

Signature before a Notary is desirable but not required. When signed in presence of a Notary, please attach the appropriate notarial documentation.

COMBINED DECLARATION & ASSIGNMENT (37 CFR 1.63(e))

Application Data Sheet filed previously or concurrently

Docket No.: SILSP.330A2

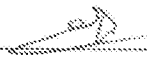
Page 7 of 9

Title: OPERATING PARAMETER OFFSETS IN SOLID STATE MEMORY DEVICES

Inventors: Roi Kirshenbaum, Karim Inbar, Idan Goldenberg, Nian Niles Yang, Rami Rom, Alexander Bazarsky, Ariel Navon, Philip Phil Reusswig

Legal Name of Inventor: Alexander Bazarsky

IN TESTIMONY WHEREOF, I hereunto set my hand and seal this 14th day of September, 2017.

Signature: 

Signature before a Notary is desirable but not required. When signed in presence of a Notary, please attach the appropriate notarial documentation.

COMBINED DECLARATION & ASSIGNMENT (37 CFR 1.63(e))

Application Data Sheet filed previously or concurrently

Docket No.: SILSP.330A2

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Title: OPERATING PARAMETER OFFSETS IN SOLID STATE MEMORY DEVICES

Inventors: Roi Kirshenbaum, Karin Inbar, Idan Goldenberg, Nian Niles Yang, Rami Rom, Alexander Bazarsky, Ariel Navon, Philip Phil Reusswig

Legal Name of Inventor: Ariel Navon

IN TESTIMONY WHEREOF, I hereunto set my hand and seal this 1st day of Oct'
2017

Signature: *[Signature]*

Signature before a Notary is desirable but not required. When signed in presence of a Notary, please attach the appropriate notarial documentation.

COMBINED DECLARATION & ASSIGNMENT (37 CFR 1.63(e))

Application Data Sheet filed previously or concurrently

Docket No.: SILSP.330A2

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Title: OPERATING PARAMETER OFFSETS IN SOLID STATE MEMORY DEVICES

Inventors: Roi Kirshenbaum, Karin Inbar, Idan Goldenberg, Nian Niles Yang, Rami Rom, Alexander Bazarsky, Ariel Navon, Philip ~~Phil~~ Reusswig

Legal Name of Inventor: Philip ~~Phil~~ Reusswig

IN TESTIMONY WHEREOF, I hereunto set my hand and seal this 12 day of September, 2017.

Signature: Phil Reusswig

Signature before a Notary is desirable but not required. When signed in presence of a Notary, please attach the appropriate notarial documentation.

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