507217424 04/05/2022

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:		1	NEW ASSIGNMENT			
NATURE OF CONVEYANCE:		/	ASSIGNMENT			
CONVEYING PARTY	' DATA					
		N	lame		Execution Date	
BRIAN EDWARD MASTENBROOK					03/22/2022	
JOHN SO					03/22/2022	
DAVID ROBERT AR				03/22/2022		
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Application Number: 1768 CORRESPONDENCE DATA		176898	817]		
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NAME OF SUBMITTER:		5	SYLVAN BROWNE			
SIGNATURE:			/Sylvan Browne/			
DATE SIGNED:			04/05/2022			
Fotal Attachments: 2 source=200617US_As source=200617US_As	• –					

ASSIGNMENT

WHEREAS We, are the below-named inventors (hereinafter referred to as Assignors), of an invention entitled:

CERTIFICATES IN DATA STORAGE DEVICES

as disclosed and claimed in the applications identified below this paragraph:

Application Number	Country of Filing	Filing Date
17/689,817	US	March 8, 2022

WHEREAS, Western Digital Technologies, Inc., whose address is 5601 Great Oaks Parkway, San Jose, California, 95119, United States of America (hereinafter referred to as Assignee), is desirous of securing the entire right, title, and interest in and to this invention in all countries throughout the world, and in and to all applications for patents on this invention in all countries throughout the world, International Application and all national stage applications based thereon that may be filed, and all patents issued upon such applications in all countries throughout the world;

NOW THEREFORE, be it known that, for good and valuable consideration the receipt of which from Assignee is hereby acknowledged, We, as Assignors, have sold, assigned, transferred, and set over, and do hereby sell, assign, transfer, and set over unto the Assignee, its lawful successors and assigns, my/our entire right, title, and interest in and to this invention, the above-referenced applications that disclose and claim this invention, any PCT International Application and all national stage applications based thereon that may be filed, any other applications for patents filed anywhere in the world that claim this invention, and all divisions, and continuations of any such application, and all patents which may be granted thereon, and all reissues thereof, and all rights to claim priority in any country on the basis of any such applications, and all extensions, renewals, and reissues thereof; and We hereby authorize and request that any official of any country whose duty it is to issue patents on applications as described above, to issue all Letters Patent for this invention to Assignee, its successors and assigns, in accordance with the terms of this Assignment;

AND, WE covenant that We have the full right to convey the interest assigned by this Assignment, and We have not executed and will not execute any agreement in conflict with this Assignment;

AND, WE further covenant and agree that We will, without further consideration, communicate with Assignee, its successors and assigns, any facts known to me/us respecting this invention, and testify in any legal proceeding, sign all lawful papers when called upon to do so, execute and deliver any and all papers that may be necessary or desirable to perfect the title to this invention in said Assignee, its successors or assigns, execute all divisional, continuation, and reissue applications, make all rightful oaths and generally do everything possible to aid Assignee, its successors and assigns, to obtain and enforce proper patent protection for this invention in the United States and any foreign country, it being understood that any expense incident to the execution of such papers shall be borne by the Assignee, its successors and assigns.

AND, WE authorize and request a patent practitioner of record in this application, to insert the filing date, country of filing, and application number of the above-referenced application(s) when known.

AND, WE authorize that this Assignment may be executed and delivered electronically, and may be executed in two or more counterparts, any one of which need not contain the signature of more than one party, each of which shall be deemed an original, but all such counterparts taken together shall constitute one and the same instrument.

PATENT REEL: 059509 FRAME: 0723

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IN TESTIMONY WHEREOF, We have hereunto set our hands.

ASSIGNOR (Inventor) 1

---- DocuSigned by:

Brian Edward Mastenbrook

----- D421BE49C989479...

Signature

Brian Edward MASTENBROOK

Print Name

03/22/2022

Execution Date

ASSIGNOR (Inventor) 2

----- DocuSigned by:

John So

<6513D99680A14E7...---

Signature

John SO

Print Name

03/22/2022

Execution Date

ASSIGNOR (Inventor) 3

----- DocuSigned by:

David Robert Arnold

~B30E38197900454..

Signature

David Robert ARNOLD

Print Name

03/22/2022

Execution Date

Page 2 of 2

RECORDED: 04/05/2022