

## PATENT ASSIGNMENT COVER SHEET

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<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
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<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
Application Number:	17023868
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<b>DATE SIGNED:</b>	09/22/2020
<b>Total Attachments: 2</b>	
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**Application No.:** 17/023,868  
**Filing Date:** September 17, 2020  
**Patent No.:** \_\_\_\_\_  
**Issue Date:** \_\_\_\_\_

**ASSIGNMENT**

**WHEREAS**, the undersigned inventor, hereinafter called the "Assignor", has invented a new and useful invention entitled:

**Utilizing Integrity Information for Data Retrieval in a Vast Storage System**

for which reference a full description is here made in a provisional, design or utility application for Letters Patent of the United States or under International Convention (e.g., PCT) filed herewith or that was filed with the United States Patent and Trademark Office or under an International Convention on 09/17/2020. The Assignor believes himself/herself to be an original inventor of the invention disclosed and claimed in the application for Letters Patent.

**WHEREAS**, the entity identified immediately below having a principal office and place of business as identified, hereinafter called the "Assignee", is desirous of acquiring the entire right, title and interest in and to said invention, the application above identified, and in, to and under Letters Patent which may be obtained for said invention, as hereinafter more fully set forth;

**Pure Storage, Inc., a Delaware Corporation**  
**650 Castro Street**  
**Mountain View, CA 94041**

**NOW, THEREFORE, TO ALL WHOM IT MAY CONCERN**, be it known that for valuable legally sufficient consideration, the receipt of which by the Assignor from the Assignee is hereby acknowledged, the Assignor has sold, assigned and transferred, and by these presents does sell, assign and transfer unto the Assignee, its successors and assigns, the entire right, title and interest in and to the invention and the application herein above identified, any and all provisional patent applications from which the application claims priority, any and all design or utility applications that claim priority therefrom, and all Letters Patents that may issue for the said invention, including all divisional, reissues, reexaminations, substitutions, continuations, and extensions thereof, to have and to hold for the sole and exclusive use and benefit of the Assignee, its successors and assigns to the full end of the term for which any and all of said Letters Patents for the said invention may issue.

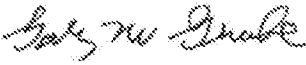
**FURTHER**, be it known that the Assignor has sold, assigned and transferred, and by these presents does sell, assign and transfer unto the Assignee, its successors and assigns, the entire foreign rights to the invention disclosed in said application, in all countries of the world, including the right to file applications and obtain patents under the terms of the International Convention. Assignor further agrees to execute any and all patent applications, assignments, affidavits, and any other papers in connection with any and all domestic and foreign patent applications identified herein or related to such identified patent applications in respective prosecution thereof and/or to perfect such patent rights.


And the Assignor does hereby covenant and agree, for himself/herself and his/her legal representatives, that he/she will assist the Assignee in the prosecution of the application herein identified; in the making and prosecution of any other applications for Letters Patent that the Assignee may elect to make covering the invention herein identified, as herein before set forth, including any application for reissue, application for reexamination, application for foreign patent rights, or any proceeding in the

States Patent and Trademark Office affecting the invention, investing in the Assignee exclusive title in and to all such other applications and Letters Patent; and in the prosecution of any interference which may arise involving said invention, or any application or Letters Patents herein contemplated; that they will promptly execute and deliver to the Assignee any and all additional papers and make all lawful oaths which may be requested by the Assignee to fully carry out the terms of this Assignment; and further that they will communicate to Assignee, or to its successors, assigns, and legal representatives, and facts known respecting said invention, and at the expense of the Assignee, testify in any legal proceedings, and generally do everything possible to aid the Assignee, its successors, assigns and nominees to obtain and enforce proper patent protection for said invention in all countries.

The United States Patent and Trademark Office is hereby authorized and requested to issue all Letters Patent to the Assignee in accordance with the terms of the assignment.

**IN TESTIMONY WHEREOF**, the Assignor has hereunto set his/her hand on the date indicated below. The undersigned hereby authorizes and requests the attorneys and/or agents of record in the application above identified, and in, to and under Letters Patent which may be obtained for said invention, to insert in this assignment the filing date and serial number of said application (and/or issue date and patent number of said corresponding Letters Patent) when officially known, if applicable.

Signature of Inventor: /  / Date: 9/17/2020  
Gary W. Grube

Signature of Inventor: /  / Date: 9/17/2020  
Timothy W. Markison