## 505155011 10/23/2018 PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:		1	NEW ASSIGNMENT			
NATURE OF CONVEYANCE:		/	ASSIGNMENT			
CONVEYING PARTY	DATA					
			lame		Execution Date	
GREG WADE					09/26/2018	
GERALD SIMON					10/02/2018	
BARRY HERMAN					09/26/2018	
RECEIVING PARTY DATA						
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State/Country:	CALIF	CALIFORNIA				
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Property Type		10140	Number			
Application Number:16146		16146	3358			
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using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail. Phone: 216-502-0600						
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SIGNATURE:		/	/Thomas G. Eschweiler/			
DATE SIGNED:			10/23/2018			
Fotal Attachments: 4						
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PATENT REEL: 047280 FRAME: 0681 We, Greg Wade, Gerald Simon, & Barry Herman ("ASSIGNORS"), are the original inventors or original joint inventors of subject matter ("INVENTION") disclosed and/or claimed in a patent application entitled "DATA PROTECTION OF CONTAINER PERSISTENT STORAGE WITH CHANGED BLOCK TRACKING" ("APPLICATION"), which:

will be filed. ASSIGNOR hereby authorizes, and requests,
ASSIGNEE'S legal representatives, of the Law Office of Eschweiler &
Associates, LLC (ASSIGNEE'S LEGAL REPRESENTATIVES), to insert
here in parentheses (filed on \_\_\_\_\_\_\_ and given
Application No. \_\_\_\_\_\_ by the following Office
\_\_\_\_\_\_) this APPLICATION's
Application No., filing date, and Office, when known;

was filed on \_\_\_\_\_\_ and was given Application No \_\_\_\_\_\_ by the following Office "\_\_\_\_\_\_";

Quantum Corporation, 224 Airport Parkway, Suite 550, San Jose, CA 95110 on behalf of itself and its successors and assigns ("ASSIGNEE"), is entitled to, and is desirous of acquiring, the entire and exclusive rights, title and interest in the INVENTION and the APPLICATION (and all other applications and patents derived therefrom, such as continuing applications, in and for the United States, its territories, and all foreign countries ("APPLICATION DERIVATIVES")); ASSIGNOR hereby authorizes, and requests, ASSIGNEE'S LEGAL REPRESENTATIVES to insert the Application No., filing date, and Office into the following table for any APPLICATION DERIVATIVES after they are known;

Application No.	Filing Date	Office	

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For good and valuable consideration, the receipt of which is hereby acknowledged by the ASSIGNOR, the ASSIGNOR hereby sells, assigns and transfers to the ASSIGNEE, ASSIGNOR's entire and exclusive rights, title and interest in the INVENTION and the APPLICATION (and APPLICATION DERIVATIVES);

ASSIGNOR agrees to execute all instruments and documents required for the making and prosecution of the APPLICATION (and APPLICATION DERIVATIVES), for litigation regarding letters patent derived therefrom, and for the purpose of protecting and perfecting title to the APPLICATION (and APPLICATION DERIVATIVES).

9/26/2018 Anventor's Signature Date Greg Wade Printed Name in English Printed Name in Native Language (if other than English)

## PATENT ASSIGNMENTDocket No.: QUAP151US

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Inventor's Signature	
server Simo	Oct. 2, 2018
Gerald Simon Date	
Printed Name in English (if other than English)	Printed Name in Native Language
Gerald Simon	

9-26-18 BSKern Date Inventor's Signature Barry Herman Printed Name in English Printed Name in Native Language (if other than English)

**RECORDED: 10/23/2018**