

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT6124160

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
MARK MAYBEE	06/27/2017
JAMES KREMER	06/28/2017
GAVIN GIBSON	06/28/2017
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	ORACLE INTERNATIONAL CORPORATION
<b>Street Address:</b>	500 ORACLE PARKWAY
<b>Internal Address:</b>	MAIL STOP 50P7
<b>City:</b>	REDWOOD SHORES
<b>State/Country:</b>	CALIFORNIA
<b>Postal Code:</b>	94065
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
Application Number:	16881638
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(303)571-4321
<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>	303-571-4000
<b>Email:</b>	rpatterson@kilpatricktownsend.com
<b>Correspondent Name:</b>	KILPATRICK TOWNSEND & STOCKTON LLP
<b>Address Line 1:</b>	1100 PEACHTREE STREET-SUITE 2800
<b>Address Line 2:</b>	MAILSTOP: IP DOCKETING - 22
<b>Address Line 4:</b>	ATLANTA, GEORGIA 30309
<b>ATTORNEY DOCKET NUMBER:</b>	088325-1183288 (184610US)
<b>NAME OF SUBMITTER:</b>	RAUSHANAH PATTERSON
<b>SIGNATURE:</b>	/Raushanah Patterson/
<b>DATE SIGNED:</b>	05/27/2020
<b>Total Attachments: 3</b>	
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source=Assignment-1183288#page2.tif	



## COMBINED ASSIGNMENT AND DECLARATION OF PATENT APPLICATION

Title of Invention: ZFS BLOCK-LEVEL DEDUPLICATION AT CLOUD SCALE

Application No.: 15/610,416, filed on May 31, 2017

### ASSIGNMENT

WHEREAS, I, Mark Maybee, of Boulder, Colorado, am an original joint inventor of the invention disclosed in the above-identified application for a United States Letters Patent;

WHEREAS, Oracle International Corporation, a corporation of the State of California having a principle place of business at 500 Oracle Parkway, Mail Stop 50P7, Redwood Shores, California 94065, hereinafter referred to as "Oracle International Corporation," is desirous of acquiring an interest in the invention and application and in any United States Letters Patent and Registrations which may be granted on the same;

For good and valuable consideration to the inventor, the receipt of which is hereby acknowledged, I have assigned, and by these presents do assign to Oracle International Corporation all right, title, and interest in and to the invention and application and to all foreign counterparts (including patent, utility model, and industrial designs), and in and to any Letters Patent and Registrations which may hereafter be granted on any patent application claiming priority from the same in the United States and all countries throughout the world, and to claim the priority from the application as provided by the Paris Convention. The right, title, and interest is to be held and enjoyed by Oracle International Corporation and Oracle International Corporation's successors and assigns as fully and exclusively as it would have been held and enjoyed by me had this Assignment not been made, for the full term of any Letters Patent and Registrations which may be granted thereon, or of any division, renewal, continuation in whole or in part, substitution, conversion, reissue, prolongation, or extension thereof.

I further agree that I will, without charge to me, but at Oracle International Corporation's expense, (a) cooperate with Oracle International Corporation in the prosecution of U.S. Patent applications and foreign counterparts on the invention and any improvements, (b) execute, verify, acknowledge, and deliver all such further papers, including patent applications and instruments of transfer, and (c) perform such other acts as Oracle International Corporation lawfully may request to obtain or maintain Letters Patent and Registrations for the invention and improvements in any and all countries, and to vest title thereto in Oracle International Corporation, or Oracle International Corporation's successors and assigns. I waive any obligation of Oracle International Corporation to file foreign counterparts on the invention or continue pursuit of prosecution of the invention and application and to all foreign counterparts, Oracle International Corporation can in its sole discretion choose which countries to file foreign counterparts, unless I have previously informed Oracle International Corporation in writing of any foreign counterparts I would like the option to pursue or prosecute.

### DECLARATION

As the above named inventor, I hereby declare that:

- This declaration is directed to the application listed above and any applications related by priority that may include claims or claim elements supported in the application listed above.
- 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 U.S.C. 1001 by fine or imprisonment of not more than 5 years, or both.

IN TESTIMONY of both the Assignment and Declaration, I have signed my name on the date indicated.

Signature:



Date:

6/27/17

Oracle Matter No.  
ORA170365-US-NP

**PATENT**  
**REEL: 052761 FRAME: 0548**

## COMBINED ASSIGNMENT AND DECLARATION OF PATENT APPLICATION

Title of Invention: ZFS BLOCK-LEVEL DEDUPLICATION AT CLOUD SCALE

Application No.: 15/610,416, filed on May 31, 2017

### ASSIGNMENT

WHEREAS, I, James Kremer, of Longmont, Colorado, am an original joint inventor of the invention disclosed in the above-identified application for a United States Letters Patent;

WHEREAS, Oracle International Corporation, a corporation of the State of California having a principle place of business at 500 Oracle Parkway, Mail Stop 50P7, Redwood Shores, California 94065, hereinafter referred to as "Oracle International Corporation," is desirous of acquiring an interest in the invention and application and in any United States Letters Patent and Registrations which may be granted on the same;

For good and valuable consideration to the inventor, the receipt of which is hereby acknowledged, I have assigned, and by these presents do assign to Oracle International Corporation all right, title, and interest in and to the invention and application and to all foreign counterparts (including patent, utility model, and industrial designs), and in and to any Letters Patent and Registrations which may hereafter be granted on any patent application claiming priority from the same in the United States and all countries throughout the world, and to claim the priority from the application as provided by the Paris Convention. The right, title, and interest is to be held and enjoyed by Oracle International Corporation and Oracle International Corporation's successors and assigns as fully and exclusively as it would have been held and enjoyed by me had this Assignment not been made, for the full term of any Letters Patent and Registrations which may be granted thereon, or of any division, renewal, continuation in whole or in part, substitution, conversion, reissue, prolongation, or extension thereof.

I further agree that I will, without charge to me, but at Oracle International Corporation's expense, (a) cooperate with Oracle International Corporation in the prosecution of U.S. Patent applications and foreign counterparts on the invention and any improvements, (b) execute, verify, acknowledge, and deliver all such further papers, including patent applications and instruments of transfer, and (c) perform such other acts as Oracle International Corporation lawfully may request to obtain or maintain Letters Patent and Registrations for the invention and improvements in any and all countries, and to vest title thereto in Oracle International Corporation, or Oracle International Corporation's successors and assigns. I waive any obligation of Oracle International Corporation to file foreign counterparts on the invention or continue pursuit of prosecution of the invention and application and to all foreign counterparts, Oracle International Corporation can in its sole discretion choose which countries to file foreign counterparts, unless I have previously informed Oracle International Corporation in writing of any foreign counterparts I would like the option to pursue or prosecute.

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IN TESTIMONY of both the Assignment and Declaration, I have signed my name on the date indicated.

Signature:



Date: 6-28-2017

Oracle Matter No.  
ORA170365-US-NP

PATENT  
REEL: 052761 FRAME: 0549

## COMBINED ASSIGNMENT AND DECLARATION OF PATENT APPLICATION

Title of Invention: ZFS BLOCK-LEVEL DEDUPLICATION AT CLOUD SCALE

Application No.: 15/610,416, filed on May 31, 2017

### ASSIGNMENT

WHEREAS, I, Gavin Gibson, of Westminster, Colorado, am an original joint inventor of the invention disclosed in the above-identified application for a United States Letters Patent;

WHEREAS, Oracle International Corporation, a corporation of the State of California having a principle place of business at 500 Oracle Parkway, Mail Stop 50P7, Redwood Shores, California 94065, hereinafter referred to as "Oracle International Corporation," is desirous of acquiring an interest in the invention and application and in any United States Letters Patent and Registrations which may be granted on the same;

For good and valuable consideration to the inventor, the receipt of which is hereby acknowledged, I have assigned, and by these presents do assign to Oracle International Corporation all right, title, and interest in and to the invention and application and to all foreign counterparts (including patent, utility model, and industrial designs), and in and to any Letters Patent and Registrations which may hereafter be granted on any patent application claiming priority from the same in the United States and all countries throughout the world, and to claim the priority from the application as provided by the Paris Convention. The right, title, and interest is to be held and enjoyed by Oracle International Corporation and Oracle International Corporation's successors and assigns as fully and exclusively as it would have been held and enjoyed by me had this Assignment not been made, for the full term of any Letters Patent and Registrations which may be granted thereon, or of any division, renewal, continuation in whole or in part, substitution, conversion, reissue, prolongation, or extension thereof.

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IN TESTIMONY of both the Assignment and Declaration, I have signed my name on the date indicated.

Signature: Gavin Gibson

Date: 6/28/2017

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ORA170365-US-NP