

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
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EPAS ID: PAT4817278

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT	
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT	
<b>CONVEYING PARTY DATA</b>		
	<b>Name</b>	<b>Execution Date</b>
	ORACLE DEUTSCHLAND B.V. & CO. KG	02/07/2018
<b>RECEIVING PARTY DATA</b>		
<b>Name:</b>	ORACLE INTERNATIONAL CORPORATION	
<b>Street Address:</b>	500 ORACLE PARKWAY	
<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:	15885026
<b>CORRESPONDENCE DATA</b>		
<b>Fax Number:</b>		
<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>		
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<b>ATTORNEY DOCKET NUMBER:</b>	088325-1060858 (201100US)	
<b>NAME OF SUBMITTER:</b>	EMILY TITUS	
<b>SIGNATURE:</b>	/EMILY TITUS/	
<b>DATE SIGNED:</b>	02/08/2018	
<b>Total Attachments: 3</b>		
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## CONFIRMATORY ASSIGNMENT

By virtue of that certain Second Amended & Restated Master Services Agreement effective as of May 31, 2012, as amended from time to time (the "MSA"), to which the following are parties:

- Oracle Deutschland B.V. & Co. KG, a German corporation, having a business address of Riesstrasse 25, 80992 Munich, Germany ("Assignor"); and
- Oracle International Corporation ("Assignee"), a California corporation and wholly-owned subsidiary of Oracle, with its place of business at 500 Oracle Parkway, Redwood Shores, California 94065,

Assignor has assigned to Assignee, its successors, legal representatives and assigns, Assignor's entire right, title and interest in, to, and under all inventions covered by the issued patents and provisional and non-provisional patent applications listed on the attached Schedule A.

For the avoidance of doubt and for good and valuable consideration, the receipt and sufficiency of which Assignor acknowledges, Assignor:

1. Confirms that, pursuant to the MSA, Assignor has assigned, transferred, conveyed, and sold to Assignee, the entire right, title and interest in, to and under the issued patents and provisional and non-provisional patent applications listed on the attached Schedule A, as well as any divisions, renewals and continuations thereof, and all Letters Patents of the United States which may be granted thereon and all reissues and extensions thereof, and all applications for Letters Patent which may hereafter be filed for inventions embodied by said pending applications in any country or countries foreign to the United States, and all Letters Patent which may be granted for said inventions embodied by said pending applications in any country or countries foreign to the United States and all extensions, renewals and reissues thereof and all rights of priority in any such country or countries based upon the filing of said pending applications in the United States which are created by any law, treaty or international convention, together with the right to sue for and recover damages for past infringement of any such patents.
2. Authorizes and requests the U.S. Patent and Trademark Office or any other U.S. or non-U.S. agency to issue to the Assignee any and all patent(s), or other rights or documents, resulting from the intellectual property, patent application(s) and patents described in Section 1 of this Confirmatory Assignment.

IN WITNESS WHEREOF, Oracle Deutschland B.V. & Co., KG has caused this  
Confirmatory Assignment to be signed by a duly authorized corporate officer, as of this  
7<sup>th</sup> day of February, 2018.

Oracle Deutschland B.V. & Co. KG

By: 

Name: Sascha van der Ven

Title: Director

IN WITNESS WHEREOF, Oracle International Corporation has caused this  
Confirmatory Assignment to be signed by a duly authorized corporate officer, as of this 9<sup>th</sup>  
day of February, 2018.

Oracle International Corporation

By: 

Name: Matthew Sarboraria

Title: Vice President

**Schedule A**

<b>Attorney Docket No.; Oracle Reference No.</b>	<b>Country</b>	<b>Application No. Filing Date</b>	<b>Patent No. Issue Date</b>
088325-1060858 (201100US); ORA170832- US-NP	US	15/885,026 January 31, 2018	

CONFIRMATORY ASSIGNMENT  
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