506584181 03/30/2021

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
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JAGWINDER SINGH BRAR	12/09/2016

RECEIVING PARTY DATA

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PROPERTY NUMBERS Total: 1

Property Type	Number	
Application Number:	16869524	

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ATTORNEY DOCKET NUMBER:	R00054C1
NAME OF SUBMITTER:	JEFF RITTER
SIGNATURE:	/Jeff Ritter/
DATE SIGNED:	03/30/2021

Total Attachments: 3

source=R00054C1_Assignment#page1.tif source=R00054C1_Assignment#page2.tif source=R00054C1_Assignment#page3.tif

PATENT 506584181 REEL: 055773 FRAME: 0185

Assignment - Worldwide

For good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, the undersigned individual(s) (referred to herein as the "INVENTOR(S)") hereby assign, transfer, and set over to:

Oracle International Corporation

having the following address:

500 Oracle Parkway, M/S 50P7 Redwood Shores, CA 94065

(referred to herein as "COMPANY"), its successors, and assigns, the entire right, title, and interest, worldwide, in and to the invention known by the following title:

TRANSFORMING DATA BASED ON A VIRTUAL TOPOLOGY

for which the undersigned has/have executed an application for patent in the United States of America on or about this same day, together with said patent application, all divisions, continuations, continuations-in-part, reissues, and extensions thereof, and all Letters Patent (domestic and foreign) which may be granted therefor. Such interest represents the entire ownership of said applications and Letters Patent when granted and is to be owned by COMPANY, its successors, and assigns, or their legal representatives, for the full and entire term for which such Letters Patent may be granted or extended, as fully and entirely as the same would have been enjoyed by the INVENTOR(S) if this assignment had not been made.

In addition, the undersigned INVENTOR(S) each bereby agrees:

- To sign and execute any further documents which may be necessary or desirable, lawful, and proper in connection with the prosecution of all applications for patent(s) on the INVENTION in the United States, including without limitation said application and all divisions, continuations, continuations-in-part, amendments thereof, and all interference proceedings associated therewith, or otherwise necessary or desirable to secure the title thereto to COMPANY;
- To execute all papers and documents and to perform all lawful acts which may be necessary in connection with claims to priority or otherwise under the International Convention for the Protection of Industrial Property or similar treaties or agreements;
- To perform all lawful affirmative acts which may be necessary to obtain the grant of a valid and enforceable patent to COMPANY.

The undersigned INVENTOR(S) each hereby authorizes and requests the Commissioner of Patents and Trademarks in the United States to issue any and all Letters Patent resulting from said application, including without limitation any division, continuation, continuation-in-part, or reissue thereof to COMPANY.

The undersigned INVENTOR(S) each hereby grant to the COMPANY the power to insert on this Assignment any further identification which may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for the recordation of this document.

Attorney Docket No. R00054X1/ORA160421-US-CIP-1

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IN WITNESS WHEREOF, this Assignment has been executed by each of the undersigned individuals on the date appearing by such individual's signature:

12/13/2 16 Date	1st Inventor Signature: Print or Type Name:	
Date	2 nd Inventor Signature:	Jagwinder Singh Bran

When this Assignment is <u>not</u> filed concurrently with the patent application, the following identifying information may be added <u>after</u> execution:

U.S. Patent Application Serial No.: 15/383,495

Filing Date: 12/19/2016

individuals on the date appearing by	such individual's signature:
Date	1st Inventor Signature:
	Print or Type Name: Daniel Cohn
Date Date	2 nd Inventor Signature: Togodowskie Diogh Zees

IN WITNESS WHEREOF, this Assignment has been executed by each of the undersigned

Print or Type Name: Jagwinder Singh Bran

When this Assignment is <u>not</u> filed concurrently with the patent application, the following identifying information may be added <u>after</u> execution:

U.S. Patent Application Serial No.: 15/383,495

Filing Date: 12/19/2016

Attorney Oocket No. R00054X1/ORA160421-US-CIP-1

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