503832583 05/18/2016

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
VIVEKANANDHAN RAJA	11/23/2015
ATRAYEE MULLICK	11/23/2015
SANKET HASE	06/19/2015
SUKHADA PENDSE	11/20/2015
AMIT GANESH	12/14/2015
VINEET MARWAH	12/09/2015
NEIL MACNAUGHTON	11/20/2015

RECEIVING PARTY DATA

Name:	me: ORACLE INTERNATIONAL CORPORATION	
Street Address: 500 ORACLE PARKWAY, MAIL STOP 50P7		
City:	REDWOOD SHORES	
State/Country:	CALIFORNIA	
Postal Code:	94065	

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	14983481

CORRESPONDENCE DATA

Fax Number: (408)414-1076

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.

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Email: sspalletta@h35g.com, dmiller@h35g.com

Correspondent Name: DANIEL MILLER

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Address Line 2: HICKMAN PALERMO BECKER BINGHAM LLP

Address Line 4: SAN JOSE, CALIFORNIA 95113

ATTORNEY DOCKET NUMBER:	50277-4623
NAME OF SUBMITTER:	DANIEL E. MILLER
SIGNATURE: /Daniel E. Miller/	
DATE SIGNED:	05/18/2016

503832583 PATENT REEL: 038638 FRAME: 0171

Total Attachments: 11 source=50277-4623_Assignment_signed#page1.tif source=50277-4623_Assignment_signed#page2.tif source=50277-4623_Assignment_signed#page3.tif source=50277-4623_Assignment_signed#page4.tif source=50277-4623_Assignment_signed#page5.tif source=50277-4623_Assignment_signed#page6.tif source=50277-4623_Assignment_signed#page7.tif source=50277-4623_Assignment_signed#page8.tif source=50277-4623_Assignment_signed#page9.tif source=50277-4623_Assignment_signed#page9.tif source=50277-4623_Assignment_signed#page10.tif source=50277-4623_Assignment_signed#page11.tif

PATENT REEL: 038638 FRAME: 0172

ASSIGNMENT OF APPLICATION FOR PATENT

WHEREAS:

SANKET HASE, of Mountain View, California;

VIVEKANANDHAN RAJA, of Foster City, California;

AMIT GANESH of San Jose, California;

VINEET MARWAH, of San Ramon, California;

NEIL MACNAUGHTON of Los Gatos, California;

ATRAYEE MULLICK of Santa Clara, California

(hereinafter referred to as ASSIGNOR(S)), has made a discovery and/or invention entitled:

LOADING AND RELOADING AN IN-MEMORY COPY OF A DATABASE OBJECT WITHOUT BLOCKING CONCURRENT UPDATES TO THE DATABASE OBJECT

for which application for Letters Patent of the United States has been executed on even date herewith,
for which application for Letters Patent of the United States has been filed on May 29, 2015, under Application No. 62/168,681, and

WHEREAS:

Oracle International Corporation, a corporation of California, having a business address of 500 Oracle Parkway, Mail Stop 5OP7, Redwood Shores, CA 94065

and which, together with its successors, assigns, and legal representatives, is hereinafter referred to as ASSIGNEE, is desirous of acquiring the entire right, title and interest in, to and under said invention and in, to and under Letters Patent or similar legal protection to be obtained therefor in the United States and in any and all foreign countries.

NOW, THEREFORE, TO ALL WHOM IT MAY CONCERN:

Be it known that for good and valuable consideration, the receipt of which is hereby acknowledged, ASSIGNOR(S) hereby sells, assigns and transfers to ASSIGNEE, the full and exclusive right, title and interest to said discovery or invention in the United States and its territorial possessions and in all foreign countries and to all Letters Patent or similar legal protection in the United States and its territorial possessions and in any and all foreign countries to be obtained for said invention by said application or any continuation, continuation-in-part, divisional, reexamination, renewal, substitute, reissue and/or any application claiming priority thereof, including any legal equivalent thereof, in a foreign country for the full term or terms for which the same may be granted.

Oracle Matter No. ORA150179-US-PSP

PATENT REEL: 038638 FRAME: 0173 I, SAID ASSIGNOR(S), hereby authorize and request the Commissioner of Patents and Trademarks of the United States of America and any Official of any country or countries foreign to the United States of America whose duty it is to issue Letters Patent on applications as aforesaid, to issue all such Letters Patent for said discovery or invention to the ASSIGNEE, as assignee of the entire right, title and interest in, to and under the same, for the sole use and benefit of the ASSIGNEE in accordance with the terms of this instrument.

I, SAID, ASSIGNOR(S), hereby covenant with ASSIGNEE that no assignment, grant, mortgage, license, or other agreement affecting the rights and property herein conveyed has been made to others by the undersigned and that I have full right to convey the entire right, title and interest herein sold, assigned, transferred and set over;

AND I, SAID ASSIGNOR(S) hereby further covenant and agree that the ASSIGNEE may apply for foreign Letters Patent on said discovery or invention and claim the benefits of the International Convention, and that I will, at any time, when called upon to do so by the ASSIGNEE communicate to the ASSIGNEE as the case may be, any facts known to me respecting said discovery or invention, and execute and deliver any and all lawful papers that may be necessary or desirable to perfect the title to the said discovery or invention, the said applications and the said Letters Patent in the ASSIGNEE and that if reissues or reexaminations of the said Letters Patent or disclaimers relating thereto, or divisionals, continuations, continuation-in-parts of the said applications shall hereafter be desired by the ASSIGNEE, I will. at any time, when called upon to do so by the ASSIGNEE sign all lawful papers, make all rightful oaths, execute and deliver all such disclaimers and all divisional, continuation, continuation-in-part, reexamination, and reissue applications so desired, and do all lawful acts requisite for the application for such continuations, continuation-in-parts, divisionals, reexaminations, or reissues and the procuring thereof and for the filing of such disclaimers and such applications, and generally do everything possible to aid the ASSIGNEE to obtain and enforce proper patent protection for said invention or discovery in all countries, all without further compensation but at the expense of the ASSIGNEE.

Oracle Matter No. ORA150179-US-PSP

ASSIGNOR hereby authorizes and requests the prosecuting law firm to insert herein above the application number and filing date of said application when known.

Inventor(s): Please Sign and Date Below:

(1) SANKET HASE

Date: 06/19/2015

Oracle Matter No. ORA150179-US-PSP

ASSIGNMENT OF APPLICATION FOR PATENT

WHEREAS:

VIVEKANANDHAN RAJA, of Foster City, California;
ATRAYEE MULLICK, of Santa Clara, California
SANKET HASE, of Mountain View, California;
SUKHADA PENDSE, of Foster City, California,
AMIT GANESH, of San Jose, California;
VINEET MARWAH, of San Ramon, California;
NEIL MACNAUGHTON, of Los Gatos, California; and all of the USA

(hereinafter referred to as ASSIGNOR(S)), has made a discovery and/or invention entitled:

LOADING AND RELOADING AN IN-MEMORY COPY OF A DATABASE OBJECT WITHOUT BLOCKING CONCURRENT UPDATES TO THE DATABASE OBJECT

\bowtie	for which application for Letters Patent of the United States has been executed on even date herewith,
	for which application for Letters Patent of the United States has been filed on
	under Application No, and
WHEF	REAS:

Oracle International Corporation, a corporation of California, having a business address of 500 Oracle Parkway, Mail Stop 5OP7, Redwood Shores, CA 94065

and which, together with its successors, assigns, and legal representatives, is hereinafter referred to as ASSIGNEE, is desirous of acquiring the entire right, title and interest in, to and under said invention and in, to and under Letters Patent or similar legal protection to be obtained therefor in the United States and in any and all foreign countries.

NOW, THEREFORE, TO ALL WHOM IT MAY CONCERN:

Be it known that for good and valuable consideration, the receipt of which is hereby acknowledged, ASSIGNOR(S) hereby sells, assigns and transfers to ASSIGNEE, the full and exclusive right, title and interest to said discovery or invention in the United States and its territorial possessions and in all foreign countries and to all Letters Patent or similar legal protection in the United States and its territorial possessions and in any and all foreign countries to be obtained for said invention by said application or any continuation, continuation-in-part, divisional, reexamination, renewal, substitute, reissue and/or any application claiming priority

1

Oracle Matter No. ORA150179-US-NP

PATENT REEL: 038638 FRAME: 0176 thereof, including any legal equivalent thereof, in a foreign country for the full term or terms for which the same may be granted.

I, SAID ASSIGNOR(S), hereby authorize and request the Commissioner of Patents and Trademarks of the United States of America and any Official of any country or countries foreign to the United States of America whose duty it is to issue Letters Patent on applications as aforesaid, to issue all such Letters Patent for said discovery or invention to the ASSIGNEE, as assignee of the entire right, title and interest in, to and under the same, for the sole use and benefit of the ASSIGNEE in accordance with the terms of this instrument.

I, SAID, ASSIGNOR(S), hereby covenant with ASSIGNEE that no assignment, grant, mortgage, license, or other agreement affecting the rights and property herein conveyed has been made to others by the undersigned and that I have full right to convey the entire right, title and interest herein sold, assigned, transferred and set over;

AND I, SAID ASSIGNOR(S) hereby further covenant and agree that the ASSIGNEE may apply for foreign Letters Patent on said discovery or invention and claim the benefits of the International Convention, and that I will, at any time, when called upon to do so by the ASSIGNEE communicate to the ASSIGNEE as the case may be, any facts known to me respecting said discovery or invention, and execute and deliver any and all lawful papers that may be necessary or desirable to perfect the title to the said discovery or invention, the said applications and the said Letters Patent in the ASSIGNEE and that if reissues or reexaminations of the said Letters Patent or disclaimers relating thereto, or divisionals, continuations, continuation-in-parts of the said applications shall hereafter be desired by the ASSIGNEE, I will, at any time, when called upon to do so by the ASSIGNEE sign all lawful papers, make all rightful oaths, execute and deliver all such disclaimers and all divisional, continuation, continuation-in-part, reexamination, and reissue applications so desired, and do all lawful acts requisite for the application for such continuations, continuation-in-parts, divisionals, reexaminations, or reissues and the procuring thereof and for the filing of such disclaimers and such applications, and generally do everything possible to aid the ASSIGNEE to obtain and enforce proper patent protection for said invention or discovery in all countries, all without further compensation but at the expense of the ASSIGNEE.

ASSIGNOR hereby authorizes and requests the prosecuting law firm to insert herein above the application number and filing date of said application when known.

Inventor(s): Please Sign and Date Below:

Oracle Matter No. ORA150179-US-NP

(2) VIVERNANDHAN RAJA

Oracle Matter No. ORA150179-US-NP (6) Mayer Milliele Date: 11/23/2015

(7) Date: 11-20-2015
SUKHADA PENDSE

Oracle Matter No. ORA150179-US-NP (5) Date: 12/14/15

(6) <u>Divert Marwall</u> Date: 12/9/2015

Date: 1/20/2015
NEIL MACNAUGHTON (5)

Oracle Matter No. ORA150179-US-NP

RECORDED: 05/18/2016