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10-21-2008

U.S. DEPARTMENT OF COMMERCE  
United States Patent and Trademark Office



103530812

To the Director of the U.S. Patent and Trademark Office: Please record the attached documents or the new address(es) below.

**1. Name of conveying party(ies)**

Peter BELKNAP  
Khaled YAGOUB  
Karl DIAS  
Benoit DAGEVILLE  
Thierry CRUANES

Additional name(s) of conveying party(ies) attached? ☒ Yes ☐ No

**3. Nature of conveyance/Execution Date(s):**

Execution Date(s) 9/11, 9/26, 10/3, & 10/8/08

- ☒ Assignment ☐ Merger  
☐ Security Agreement ☐ Change of Name  
☐ Joint Research Agreement  
☐ Government Interest Assignment  
☐ Executive Order 9424, Confirmatory License  
☐ Other \_\_\_\_\_

**2. Name and address of receiving party(ies)**

Name: Oracle International Corporation

Internal Address: \_\_\_\_\_

Street Address: 500 Oracle Parkway

City: Redwood Shores

State: CA

Country: USA Zip 94065

Additional name(s) & address(es) attached? ☐ Yes ☒ No

**4. Application or patent number(s):**

☐ This document is being filed together with a new application.

A. Patent Application No.(s)

B. Patent No.(s)

12/221,131 filed 7/30/2008

Additional numbers attached? ☐ Yes ☒ No

**5. Name and address to whom correspondence concerning document should be mailed:**

Name: John T. Kalnay

Internal Address: Kraguljac & Kalnay, LLC

Summit One, Suite 510

Street Address: 4700 Rockside Road

City: Independence

State: OH Zip 44131

Phone Number: (216) 308-3245

Fax Number: (216) 503-5401

Email Address: jtka@kkoatent.com

**6. Total number of applications and patents involved: 1**

**7. Total fee (37 CFR 1.21(h) & 3.41) \$40.00**

- ☒ Authorized to be charged to deposit account  
☐ Enclosed  
☐ None required (government interest not affecting title)

**8. Payment Information**

Deposit Account Number 150635

Authorized User Name John T. Kalnay

**9. Signature:**

Signature

John T. Kalnay

Name of Person Signing

10/20/2008 DBYRNE 00000037 150635 1222113  
01 FC:8021 40.00 DA Date

Total number of pages including cover sheet, attachments, and documents:

8

Documents to be recorded (including cover sheet) should be faxed to (571) 273-0140, or mailed to:  
Mail Stop Assignment Recordation Services, Director of the USPTO, P.O.Box 1450, Alexandria, V.A. 22313-1450

PATENT  
REEL: 021708 FRAME: 0237

**RECORDATION FORM COVER SHEET**

**(Serial No. 12/221,131)**

**(Continued)**

**Additional Names of Conveying Parties:**

**Anupam SINGH**

## ASSIGNMENT OF APPLICATION FOR PATENT

## WHEREAS:

Peter BELKNAP, of Redwood City, CA, USA;

Khaled YAGOUB, of ~~San Mateo, CA, USA~~; <sup>2-7-09/11/08</sup> Newark, CA, USA

Karl DIAS, of Foster City, CA, USA;

Benoit DAGEVILLE, of Foster City, CA, USA;

Thierry CRUANES, of Foster City, CA, USA; and

Anupam SINGH, of San Jose, CA, USA

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

**HYBRID OPTIMIZATION STRATEGIES IN AUTOMATIC SQL TUNING**

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 July 30, 2008, under Application No. 12/221,131, and

## WHEREAS:

Oracle International Corporation, a corporation of California, having a business address of 500 Oracle Parkway, Mail Stop 50P7, 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.

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.

Oracle Matter No.  
OID-2007-319-01


10-1-03


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:**

(1)  Date: 09/11/08  
Peter BELKNAP

(2)  Date: 09/11/08  
Khaled YAGHOUB

(3)  Date: 09/26/08  
Karl DIAS

(4)   
Benoit DAGEVILLE

Date: 10/3/2008

(5)   
Thierry CRUANES

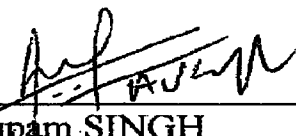
Date: 09-26-2008

(6) \_\_\_\_\_  
Anupam SINGH

Date: \_\_\_\_\_

(4) \_\_\_\_\_ Date: \_\_\_\_\_  
Benoit DAGEVILLE

(5) \_\_\_\_\_ Date: \_\_\_\_\_  
Thierry CRUANES

(6)  \_\_\_\_\_ Date: 10/08/08  
Anupam SINGH