

03-15-2007



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02/23/2007

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

**RECORDATION FORM COVER SHEET  
PATENTS ONLY**

Trademark Office: Please record the attached documents or the new address(es) below.

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

Muralidhar Krishnaprasad  
Chi-Ming Yang  
Joaquin A. Delgado  
Meeten Bhavsar

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

**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

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

Execution Date(s) 2/6/07, 2/9/07, 2/12/07

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

**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)

Additional numbers attached?  Yes  No

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

Name: Petar Kraguljac

Internal Address: McDonald Hopkins Co., LPA

Street Address: 600 Superior Avenue, E.

Suite 2100

City: Cleveland

State: OH

Zip: 44114

Phone Number: (216) 348-5843

Fax Number: (216) 348-5474

Email Address: pkraguljac@mcdonaldhopkins.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 by credit card
- Authorized to be charged to deposit account
- Enclosed
- None required (government interest not affecting title)

**8. Payment Information**

a. Credit Card Last 4 Numbers \_\_\_\_\_  
Expiration Date \_\_\_\_\_

b. Deposit Account Number 150635

Authorized User Name \_\_\_\_\_

**9. Signature:**

Signature

February 23, 2007

Date

Petar Kraguljac  
Name of Person Signing

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

03/14/2007 DBYRME 00000091 150635 11710100  
01 FC:8021 40.00 DA

**RECORDATION FORM COVER SHEET  
(CONTINUED)**

**1. Additional Names of Conveying Parties**

Thomas H. Chang

OID-2006-101-01

**ASSIGNMENT OF APPLICATION FOR PATENT****WHEREAS:**

**Muralidhar Krishnaprasad, of Fremont, CA; USA;  
 Chi-Ming Yang, of Sunnyvale, CA, USA;  
 Joaquin A. Delgado, of Santa Clara, CA, USA;  
 Meeten Bhavsar, of Emerald Hills, CA, USA; and  
 Thomas H. Chang, of Redwood Shores, CA, USA**

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

**INDEX REPLICATION USING CRAWL MODIFICATION INFORMATION**

- 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

**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-2006-101-01

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) Muralidhar  
Muralidhar Krishnaprasad

Date: 2/6/07

(2) \_\_\_\_\_ Date: \_\_\_\_\_  
Chi-Ming Yang

(3)  \_\_\_\_\_ Date: 2/12/2007  
Joaquin A. Delgado

(4) \_\_\_\_\_ Date: \_\_\_\_\_  
Meeten Bhavsar

(5) \_\_\_\_\_ Date: \_\_\_\_\_  
Thomas H. Chang

(2)   
Chi-Ming Yang

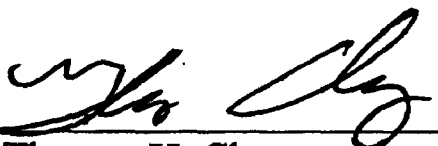
Date: 2-9-2007

(3) \_\_\_\_\_  
Joaquin A. Delgado

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

(4)   
Meeten Bhavsar

Date: 2/9/07

(5)   
Thomas H. Chang

Date: 2/9/2007