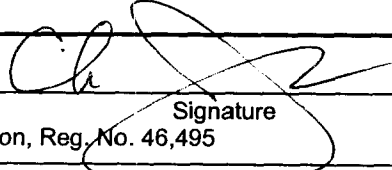


03-08-2006

<div style="float: left; width: 30%;">3/1/06</div> <div style="float: right; width: 30%; text-align: right;">R</div> <div style="clear: both;"></div> <div style="text-align: center; margin-top: 10px;">103192327</div>	
To the Director of the U.S. Patents and Trademarks or the new address(es) below.	
<b>1. Name of conveying party(ies):</b> Srinivasan Ramakrishnan  Additional name of conveying party(ies) attached? <input type="checkbox"/> Yes <input type="checkbox"/> No	<b>2. Name and address of receiving party(ies)</b> Name: Oracle International Corporation Internal Address: _____ Street Address: 500 Oracle Parkway Mail Stop 50P7 City: Redwood Shores State: California Country: U.S. Zip: 94065 Additional Name(s) & address(es) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
<b>3. Nature of conveyance:</b> Execution Date(s) <u>February 27, 2006</u>  <input checked="" type="checkbox"/> Assignment <input type="checkbox"/> Merger <input type="checkbox"/> Security Agreement <input type="checkbox"/> Change of Name <input type="checkbox"/> Government Interest Assignment <input type="checkbox"/> Executive Order 9424, Confirmatory License <input type="checkbox"/> Other _____	<b>4. Application number(s) or patent number(s):</b> <input checked="" type="checkbox"/> This document is being filed together with a new application. A. Patent Application No.(s) 03/08/2006 DBYRNE 00000024 195127 11364344 01 FC:8421 (40.00 DA) B. Patent No.(s)  Additional numbers attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
<b>5. Name and address of party to whom correspondence concerning this document should be mailed:</b> Name: Edward A. Pennington, Esq. Internal Address: _____ Street Address: Bingham McCutchen LLP 3000 K Street, NW, Suite 300 City: Washington State: DC Zip: 20007-5116 Phone Number : (202) 424-7500 Fax Number: (202) 295-8478 Email Address: edward.pennington@Bingham.com	<b>6. Total number of applications and patents involved:</b> <u>1</u>  <b>7. Total fee (37 CFR 1.21(h) &amp; 3.41)</b> \$ <u>40.00</u> <input type="checkbox"/> Authorized to be charged by credit card <input checked="" type="checkbox"/> Authorized to be charged to deposit account <input type="checkbox"/> Enclosed <input type="checkbox"/> None required (government interest not affecting title)  <b>8. Payment Information</b> a. Credit Card Last 4 Numbers _____ Expiration Date _____ b. Deposit Account Number <u>19-5127 (19111.0140)</u> Authorized User Name <u>Bingham McCutchen LLP</u>
<b>9. Signature :</b>  Chadwick A. Jackson, Reg. No. 46,495 Name of Person Signing Date: March 1, 2006 Total number of pages including cover sheet, attachments, and documents: <span style="border: 1px solid black; padding: 2px 5px;">3</span>	

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: 017781 FRAME: 0984**

ASSIGNMENT OF APPLICATION FOR PATENT

WHEREAS:

Srinivasan Ramakrishnan, residing at: 18 Kelly Street, Nashua, NH 03062 (India)

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

**A GENETIC ALGORITHM BASED APPROACH TO ACCESS STRUCTURE  
SELECTION WITH STORAGE CONSTRAINT**

- ☒ 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-2003-237-01]

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10-1-03

Docket No. 19111.0140

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.

**Inventor(s): Please Sign and Date Below:**

(1) Srinivasan Ramakrishnan  
Srinivasan RAMAKRISHNAN

Date: 2/27/06

Oracle Matter No.  
Oid-2003-237-01]

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10-1-03

RECORDED: 03/01/2006

PATENT  
REEL: 017781 FRAME: 0986