

## PATENT ASSIGNMENT

Electronic Version v1.1  
 Stylesheet Version v1.1

| SUBMISSION TYPE:  | NEW ASSIGNMENT                   |               |                                  |                     |                    |                      |                |                 |                |                |            |              |       |
|---|----------------------------------|---------------|----------------------------------|---------------------|--------------------|----------------------|----------------|-----------------|----------------|----------------|------------|--------------|-------|
| NATURE OF CONVEYANCE:   | ASSIGNMENT                       |               |                                  |                     |                    |                      |                |                 |                |                |            |              |       |
| CONVEYING PARTY DATA  |                                  |               |                                  |                     |                    |                      |                |                 |                |                |            |              |       |
| <table border="1"> <thead> <tr> <th>Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>Denis B. MUKHIN</td> <td>03/23/2012</td> </tr> <tr> <td>Vaishnavi SASHIKANTH</td> <td>03/23/2012</td> </tr> <tr> <td>Mark F. HORNICK</td> <td>03/23/2012</td> </tr> </tbody> </table>   |                                  | Name          | Execution Date                   | Denis B. MUKHIN     | 03/23/2012         | Vaishnavi SASHIKANTH | 03/23/2012     | Mark F. HORNICK | 03/23/2012     |                |            |              |       |
| Name  | Execution Date                   |               |                                  |                     |                    |                      |                |                 |                |                |            |              |       |
| Denis B. MUKHIN   | 03/23/2012                       |               |                                  |                     |                    |                      |                |                 |                |                |            |              |       |
| Vaishnavi SASHIKANTH  | 03/23/2012                       |               |                                  |                     |                    |                      |                |                 |                |                |            |              |       |
| Mark F. HORNICK   | 03/23/2012                       |               |                                  |                     |                    |                      |                |                 |                |                |            |              |       |
| RECEIVING PARTY DATA  |                                  |               |                                  |                     |                    |                      |                |                 |                |                |            |              |       |
| <table border="1"> <tr> <td>Name:</td> <td>Oracle International Corporation</td> </tr> <tr> <td>Street Address:</td> <td>500 Oracle Parkway</td> </tr> <tr> <td>Internal Address:</td> <td>Mail Stop 5OP7</td> </tr> <tr> <td>City:</td> <td>Redwood Shores</td> </tr> <tr> <td>State/Country:</td> <td>CALIFORNIA</td> </tr> <tr> <td>Postal Code:</td> <td>94065</td> </tr> </table>  |                                  | Name:         | Oracle International Corporation | Street Address:     | 500 Oracle Parkway | Internal Address:    | Mail Stop 5OP7 | City:           | Redwood Shores | State/Country: | CALIFORNIA | Postal Code: | 94065 |
| Name:   | Oracle International Corporation |               |                                  |                     |                    |                      |                |                 |                |                |            |              |       |
| Street Address:   | 500 Oracle Parkway               |               |                                  |                     |                    |                      |                |                 |                |                |            |              |       |
| Internal Address:   | Mail Stop 5OP7                   |               |                                  |                     |                    |                      |                |                 |                |                |            |              |       |
| City:   | Redwood Shores                   |               |                                  |                     |                    |                      |                |                 |                |                |            |              |       |
| State/Country:  | CALIFORNIA                       |               |                                  |                     |                    |                      |                |                 |                |                |            |              |       |
| Postal Code:  | 94065                            |               |                                  |                     |                    |                      |                |                 |                |                |            |              |       |
| PROPERTY NUMBERS Total: 1   |                                  |               |                                  |                     |                    |                      |                |                 |                |                |            |              |       |
| <table border="1"> <thead> <tr> <th>Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>13434479</td> </tr> </tbody> </table>   |                                  | Property Type | Number                           | Application Number: | 13434479           |                      |                |                 |                |                |            |              |       |
| Property Type   | Number                           |               |                                  |                     |                    |                      |                |                 |                |                |            |              |       |
| Application Number:   | 13434479                         |               |                                  |                     |                    |                      |                |                 |                |                |            |              |       |
| CORRESPONDENCE DATA   |                                  |               |                                  |                     |                    |                      |                |                 |                |                |            |              |       |
| <p>Fax Number: (408)877-1662<br/>         Phone: (408) 321-8663<br/>         Email: ev@vplawgroup.com</p> <p><i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US Mail.</i></p> <p>Correspondent Name: Peter C. Mei<br/>         Address Line 1: Vista IP Law Group, LLP<br/>         Address Line 2: 2160 Lundy Ave., Suite 230<br/>         Address Line 4: San Jose, CALIFORNIA 95131</p> |                                  |               |                                  |                     |                    |                      |                |                 |                |                |            |              |       |
| ATTORNEY DOCKET NUMBER:   | ORA120098-US-NP                  |               |                                  |                     |                    |                      |                |                 |                |                |            |              |       |
| NAME OF SUBMITTER:  | Peter C. Mei                     |               |                                  |                     |                    |                      |                |                 |                |                |            |              |       |
| Total Attachments: 3<br>source=ORA120098USNP_Assignment_#page1.tif<br>source=ORA120098USNP_Assignment_#page2.tif<br>source=ORA120098USNP_Assignment_#page3.tif  |                                  |               |                                  |                     |                    |                      |                |                 |                |                |            |              |       |

OP \$40.00 13434479

ASSIGNMENT OF PATENT APPLICATION

WHEREAS, WE, Denis B. MUKHIN, Vaishnavi SASHIKANTH, and Mark F. HORNICK, all citizens of the United States of America (hereinafter referred to as "ASSIGNORS"), have invented a certain invention entitled **INTERFACING AN R LANGUAGE CLIENT ENVIRONMENT WITH A DATABASE ENGINE**, for which Utility Application for Letters Patent of the United States of America is being filed herewith, and

WHEREAS, Oracle International Corporation, a corporation of California, and having its principal place of business at 500 Oracle Parkway, Mail Stop 50P7, Redwood Shores, California 94065 (hereinafter referred to as "ASSIGNEE"), is desirous of acquiring the exclusive right, title and interest in, to and under said invention and in, to and under any Patent or similar legal protection to be obtained therefor in the United States of America, its territorial possessions and in any and all countries foreign thereto.

NOW, THEREFORE, for good and valuable consideration, the receipt of which is hereby acknowledged, ASSIGNORS hereby sell, assign, transfer and set over unto the said ASSIGNEE, its successors and assign, the full and exclusive right, title and interest to said invention and to all Letters Patent or application or similar legal protection, not only in the United States and its territorial possessions, but in all countries foreign thereto to be obtained for said invention by said application, and to any continuation, division, renewal, substitute or reissue thereof or any legal equivalent thereof in the United States or a foreign country for the full term or terms for which the same may be granted, including all priority rights under the International Convention; and ASSIGNORS hereby authorize and request the United States Commissioner of Patents and Trademarks, and any officials of foreign countries whose duty it is to issue patents or any legal

equivalent thereof, to issue said patents to ASSIGNEE, its successors and assigns, in accordance with this Assignment.

ASSIGNORS hereby covenant that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this Agreement;

ASSIGNORS further covenant that ASSIGNEE will, upon its request, be provided promptly with all pertinent facts and documents relating to said application, said invention and said Letters Patent and legal equivalents as may be known and accessible to ASSIGNORS and will testify as to the same in any interference or litigation related thereto and will promptly execute and deliver to ASSIGNEE or its legal representative any and all papers, instruments or affidavits required to apply for, obtain, maintain, issue and enforce said application, said invention and said Letters Patent and said equivalents in the United States or in any foreign country, which may be necessary or desirable to carry out the purposes thereof.

3/23/12  
Date

\_\_\_\_\_  
Date

\_\_\_\_\_  
Date

  
\_\_\_\_\_  
Denis B. MUKHIN

\_\_\_\_\_  
Vaishnavi SASHIKANTH

\_\_\_\_\_  
Mark F. HORNICK

equivalent thereof, to issue said patents to ASSIGNEE, its successors and assigns, in accordance with this Assignment.

ASSIGNORS hereby covenant that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this Agreement;

ASSIGNORS further covenant that ASSIGNEE will, upon its request, be provided promptly with all pertinent facts and documents relating to said application, said invention and said Letters Patent and legal equivalents as may be known and accessible to ASSIGNORS and will testify as to the same in any interference or litigation related thereto and will promptly execute and deliver to ASSIGNEE or its legal representative any and all papers, instruments or affidavits required to apply for, obtain, maintain, issue and enforce said application, said invention and said Letters Patent and said equivalents in the United States or in any foreign country, which may be necessary or desirable to carry out the purposes thereof.

\_\_\_\_\_  
Date  
Mar 23, 2012

\_\_\_\_\_  
Date  
3/23/12

\_\_\_\_\_  
Denis B. MUKHIN  
\_\_\_\_\_  
Vaishnavi SASHIKANTH

\_\_\_\_\_  
Mark F. HORNICK