

## PATENT ASSIGNMENT

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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>David Jeffrey</td> <td>08/15/2013</td> </tr> <tr> <td>Clement Fang</td> <td>08/06/2013</td> </tr> <tr> <td>Neil Duncan</td> <td>08/07/2013</td> </tr> <tr> <td>Heechoul Park</td> <td>08/20/2013</td> </tr> <tr> <td>Lik Cheng</td> <td>08/06/2013</td> </tr> <tr> <td>Gregory F Grohoski</td> <td>08/07/2013</td> </tr> </tbody> </table>		Name	Execution Date	David Jeffrey	08/15/2013	Clement Fang	08/06/2013	Neil Duncan	08/07/2013	Heechoul Park	08/20/2013	Lik Cheng	08/06/2013	Gregory F Grohoski	08/07/2013
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<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>City:</td> <td>Redwood City</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	City:	Redwood City	State/Country:	CALIFORNIA	Postal Code:	94065				
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CORRESPONDENCE DATA															
Fax Number: 5128538801 <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i> Phone: 512-853-8800 Email: kashby@intprop.com Correspondent Name: MHKKG/Oracle (Sun) Address Line 1: P.O. BOX 398 Address Line 4: AUSTIN, TEXAS 78767															
ATTORNEY DOCKET NUMBER:	6000-64300														
NAME OF SUBMITTER:	B. Noel Kivlin														

CH \$40.00 13971288

Signature:	/ B. Noel Kivlin /
Date:	08/20/2013
<b>Total Attachments: 7</b> source=ORA130459_Assign_6000-64300#page1.tif source=ORA130459_Assign_6000-64300#page2.tif source=ORA130459_Assign_6000-64300#page3.tif source=ORA130459_Assign_6000-64300#page4.tif source=ORA130459_Assign_6000-64300#page5.tif source=ORA130459_Assign_6000-64300#page6.tif source=ORA130459_Assign_6000-64300#page7.tif	

### ASSIGNMENT

FOR GOOD AND VALUABLE CONSIDERATION, the receipt, sufficiency and adequacy of which are hereby acknowledged, the undersigned, does hereby:

SELL, ASSIGN AND TRANSFER to Oracle International Corporation (the "Assignee"), a corporation organized and existing under and by virtue of the laws of the State of California, and having its principal place of business at 500 Oracle Parkway, Redwood City, CA 94065, their entire right, title and interest for the United States and all foreign countries, in and to any and all improvements which are disclosed in the application for United States Letters Patent, which has been executed by the undersigned concurrently herewith, and is entitled, DETECTION OF MULTIPLE ACCESSES TO A ROW ADDRESS OF A DYNAMIC MEMORY WITHIN A REFRESH PERIOD, such application and all divisional, continuing, substitute, renewal, reissue and all other applications for patent which have been or shall be filed in the United States and all foreign countries on any of such improvements; all original and reissued patents which have been or shall be issued in the United States and all foreign countries on such improvements; and specifically including the right to file foreign applications under the provisions of any convention or treaty and claim priority based on such application in the United States;

AUTHORIZE AND REQUEST the issuing authority to issue any and all United States and foreign patents granted on such improvements to the Assignee;

WARRANT AND COVENANT that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been or will be made to others by the undersigned, and that the full right to convey the same as herein expressed is possessed by the undersigned;

COVENANT that, when requested and at the expense of the Assignee, to carry out in good faith the intent and purpose of this assignment, the undersigned will execute all divisional, continuing, substitute, renewal, reissue, and all other patent applications on any and all such improvements; execute all rightful oaths, declarations, assignments, powers of attorney and other papers; communicate to the Assignee all facts known to the undersigned relating to such improvements and the history thereof; and generally do everything possible which the Assignee shall consider desirable for securing, maintaining and enforcing proper patent protection for such improvements and for vesting title to such improvements in the Assignee;

COVENANT AND AGREE that the above is and will be binding on the heirs, assigns, representatives and successors of the undersigned and extend to the successors, assigns and nominees of the Assignee.

(Signature)  Date: 8/15/13  
Name: David Jeffrey

(Signature) \_\_\_\_\_ Date: \_\_\_\_\_  
Name: Clement Fang

(Signature) \_\_\_\_\_ Date: \_\_\_\_\_  
Name: Neil Duncan

(Signature) \_\_\_\_\_ Date: \_\_\_\_\_  
Name: Heechoul Park


(Signature) \_\_\_\_\_ Date: \_\_\_\_\_  
Name: Lik Cheng

(Signature) \_\_\_\_\_ Date: \_\_\_\_\_  
Name: Gregory F. Grohoski

Customer ID #58467  
B. Noël Kivlin  
Meyertons, Hood, Kivlin, Kowert & Goetzel, P.C.  
P.O. Box 398  
Austin, TX 78767-0398

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(Signature) \_\_\_\_\_ Date: \_\_\_\_\_  
Name: David Jeffrey

(Signature) \_\_\_\_\_ Date: \_\_\_\_\_  
Name: Clement Fang

(Signature) Neil Duncan Date: 8/7/2013  
Name: Neil Duncan

(Signature) \_\_\_\_\_ Date: \_\_\_\_\_  
Name: Heechoul Park

(Signature) \_\_\_\_\_ Date: \_\_\_\_\_  
Name: Lik Cheng

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

(Signature) \_\_\_\_\_  
Name: Neil Duncan

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

(Signature) *Heechoul Park*  
Name: Heechoul Park

Date: 8/26/2013

(Signature) \_\_\_\_\_  
Name: Lik Cheng

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

(Signature) \_\_\_\_\_  
Name: Gregory F. Grohoski

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

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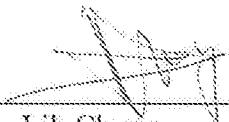
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