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Docket No.: 1958.0000-000

# RECORDATION FORM COVER SHEET PATENTS ONLY

To the Director of the U.S. Patent and Trademark Office: Please record the attached original documents or copy thereof.

<p>1. Name of conveying party(ies) Oracle Corporation</p> <p>Additional name(s) of conveying party(ies) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p>	<p>2. Name and address of receiving party(ies) Name: <u>Oracle International Corporation</u> Internal Address: _____ _____ _____ Street Address: <u>500 Oracle Parkway</u> _____ City: <u>Redwood Shores</u> State: <u>CA</u> ZIP: <u>94065</u></p> <p>Additional name(s) &amp; address(es) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p>
<p>3. Nature of conveyance: <input checked="" type="checkbox"/> Assignment <input type="checkbox"/> Merger <input type="checkbox"/> Security Agreement <input type="checkbox"/> Change of Name <input checked="" type="checkbox"/> Other Corrective Assignment to correct illegible faxed document. Document ID No.: 700052725</p> <p>Execution Date: <u>October 30, 2003</u></p>	

4. Application number(s) or patent number(s):  
If this document is being filed together with a new application, the execution date of the application is: \_\_\_\_\_

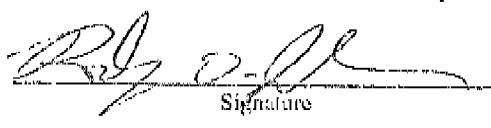
<p>A. Patent Application No.(s) See Schedule A Patent Applications</p>	<p>B. Patent No.(s)</p>
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Additional numbers attached?  Yes  No

<p>5. Name and address of party to whom correspondence concerning document should be mailed: Name: <u>Rodney D. Johnson, Esq.</u> Internal Address: <u>Hamilton, Brook, Smith &amp; Reynolds, P.C.</u> _____ Street Address: <u>530 Virginia Road, P.O. Box 9133</u> _____ City: <u>Concord</u> State: <u>MA</u> ZIP: <u>01742-9133</u></p>	<p>6. Total number of applications and patents involved: <u>[ 24 ]</u></p> <p>7. Total Fee (37 C.F.R. 3.41)..... \$ <u>960.00</u> <input type="checkbox"/> Enclosed <input checked="" type="checkbox"/> Authorized to charge any deficiencies or credit any overpayment to deposit account <input checked="" type="checkbox"/> Authorization to charge deposit account number 08-0380</p> <p>Attach a copy of this page if paying by deposit account and filing via mail. Do not attach a copy of this page if paying by deposit account and filing via facsimile.</p>
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8. Statement and signature.  
*To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.*

<p><u>Rodney D. Johnson</u> Name of Person Signing</p>	 Signature	<p><u>Dec. 5, 2003</u> Date</p>
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Total number of pages including cover sheet, attachments, and document: [ 4 ]

CHI \$960.00 080380 09955773

**Schedule A**  
**Patent Applications**

No	Attorney Docket No.	OID Docket No.	Appl. No.	Filing Date	Title
1	1958.1005-001	OID-1996-015-01-CON	09/955,773	09/19/2001	COMPUTING SYSTEM FOR IMPLEMENTING A SHARED CACHE
2	1958.1008-000	OID-1996-015-03	08/961,743	10/31/1997	CONTEXT MANAGEMENT SYSTEM FOR MODULAR SOFTWARE ARCHITECTURE
3	1958.1009-000	OID-1996-015-04	08/866,744	05/30/1997	SYSTEM FOR DYNAMICALLY CONSTRUCTING AN EXECUTABLE COMPUTER PROGRAM
4	1958.1018-000	OID-1999-035-03	09/321,090	05/28/1999	A QUORUMLESS CLUSTER USING DISK-BASED MESSAGING
5	1958.1019-000	OID-1999-035-04	09/322,472	05/28/1999	USING A CLUSTER-WIDE SHARED REPOSITORY TO PROVIDE THE LATEST CONSISTENT DEFINITION OF THE CLUSTER (AVOIDING THE PARTITION-IN-TIME PROBLEM)
6	1958.1021-000	OID-1999-035-05	09/321,967	05/28/1999	PROVIDING FIGURE OF MERIT VOTE FROM APPLICATION EXECUTING ON PARTITIONED CLUSTER
7	1958.1022-000	OID-1999-063-01	09/321,809	05/28/1999	SYSTEM FOR EXTENDING AN ADDRESSABLE RANGE OF MEMORY
8	1958.1093-001	OID-1999-070-01	09/567,162	05/08/2000	UNIFORM HIERARCHICAL INFORMATION CLASSIFICATION AND MAPPING SYSTEM
9	1958.1026-001	OID-1999-085-01-CON	10/409,030	04/07/2003	DATABASE SYSTEM HAVING LOGICAL ROW IDENTIFIERS
10	1958.1031-000	OID-1999-098-01	09/703,909	11/01/2000	DATABASE INDEX VALIDATION MECHANISM
11	1958.1028-001	OID-1999-111-01-CON	10/602,008	06/23/2003	SYSTEM FOR CONTROLLING DATABASE GROWTH IN A READ-REPEATABLE ENVIRONMENT
12	1958.1030-001	OID-1999-113-01-DIV	10/452,461	06/02/2003	SYSTEM FOR MAINTAINING A BUFFER POOL
13	1958.2005-000	OID-1999-123-01	09/641,223	08/17/2000	INTERVAL-BASED ADJUSTMENT SYSTEM FOR DATABASES
14	1958.2001-000	OID-1999-161-01	09/578,290	05/25/2000	PARALLEL TASK SCHEDULING SYSTEM FOR COMPUTERS
15	1958.2002-000	OID-1999-168-01	09/570,276	05/12/2000	CONTENT UPDATE PROXY METHOD
16	1958.2004-000	OID-1999-183-01	09/616,643	07/14/2000	MULTIDIMENSIONAL DATABASE STORAGE AND RETRIEVAL SYSTEM
17	1958.2006-000	OID-2000-048-01	09/667,648	09/22/2000	SYSTEM FOR DISTRIBUTED ERROR REPORTING AND USER INTERACTION
18	1958.2007-001	OID-2000-049-01	09/953,083	09/14/2001	NETWORK-BASED FILE ACCESS SYSTEM
19	1958.2008-000	OID-2000-066-01	09/735,356	12/12/2000	DYNAMIC TREE CONTROL SYSTEM
20	1958.2009-000	OID-2000-076-01	09/766,949	01/22/2001	SYSTEM FOR EDITING QUERY CONDITIONS, CALCULATIONS, FORMULAS AND EQUATIONS
21	1958.2010-000	OID-2001-024-01	09/871,444	05/31/2001	SYSTEM AND METHOD FOR DISPLAYING DYNAMIC PAGE CONTENT IN A PAGE-CACHING BROWSER
22	1958.2011-000	OID-2001-121-01-CIP	10/246,661	9/18/2002	SYSTEM AND METHOD FOR PARTIAL PAGE UPDATES USING A PROXY ELEMENT
23	1958.2014-000	OID-2001-143-01	10/014,038	12/10/2001	DATABASE SYSTEM HAVING HETEROGENEOUS OBJECT TYPES
24	1958.2013-000	OID-2001-147-01	10/165,811	06/07/2002	GLOCCODING USING A RELATIONAL DATABASE

11/14/2003  
700052725

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To the Director of the U.S. Patent and Trademark Office. Please record the attached original documents or copy thereof

1. Name of transmitting party(ies)  
Oracle Corporation

2. Name and address of receiving party(ies)  
Name: Oracle International Corporation

Additional party(ies) of transmitting party(ies) attached?  Yes  No

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

3. Nature of conveyance  
 Assignment  Merger  
 License Agreement  Change of Name  
 Other

Street Address: 500 Oracle Parkway

City: Redwood Shores State: CA ZIP: 94065

Execution Date: October 30, 2003

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

4. Application number(s) or patent number(s)  
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A. Patent Application No. (s)  
See Schedule A Patent Application

B. Patent No. (s)

Additional numbers attached?  Yes  No

5. Name and address of party to whom correspondence concerning this document should be mailed:

Name: Rodney D. Johnson, Esq.

Internal Address: Morrison, Knudt, Smith & Reynolds, P.C.

Street Address: 130 Vantage Road, P.O. Box 9133

City: Cambridge State: MA ZIP: 01912-0133

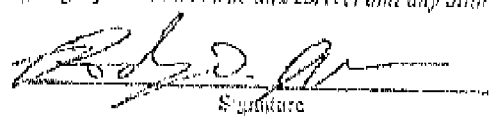
6. Total number of applications and patents involved: [24]

7. Total Fee (37 C.F.R. 3.41) \$ 900.00

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I, the undersigned, declare that the foregoing information is true and correct and any attached copy is a true copy of the original document.  
Rodney D. Johnson  
Authorized Person Signature  
  
Signature  
Nov. 14, 2003  
Date

Total number of pages including cover sheet, attachments, and document: [4]

**IN THE UNITED STATES  
PATENT AND TRADEMARK OFFICE**

**PATENT ASSIGNMENT**

WHEREAS, in consideration of good and valuable consideration, the receipt of which is hereby acknowledged, **Oracle Corporation**, a corporation of Delaware, with a place of business at 500 Oracle Parkway, Redwood Shores, California 94065, hereinafter referred to as "Assignor," has sold, assigned, transferred and set over, unto **Oracle International Corporation (OIC)**, a corporation of California, with a place of business at 500 Oracle Parkway, Redwood Shores, California 94065, hereinafter referred to as "Assignee," its successors, legal representatives and assigns, **Assignor's** entire right, title and interest in, to, and under the issued patents and provisional and non-provisional pending applications listed on the attached Schedule A, as well as any divisions, renewals and continuations thereof, and all Letters Patent of the United States which may be granted thereon and all reissues and extensions thereof, and all applications for Letters Patent which may hereafter be filed for inventions embodied by said pending applications in any country or countries foreign to the United States, and all Letters Patent which may be granted for said inventions embodied by said pending applications in any country or countries foreign to the United States and all extensions, renewals and reissues thereof and all rights of priority in any such country or countries based upon the filing of said pending applications in the United States which are created by any law, treaty or international convention; and Assignor hereby authorizes and requests the Commissioner of Patents of the United States, and any Official of any country or countries foreign to the United States, whose duty is to issue patents on any such applications as aforesaid, to issue all Letters Patent for said inventions to **Oracle International Corporation**, its successors, legal representatives and assigns, in accordance with the terms of this instrument.

AND Assignor does hereby covenant that it had full right to convey the entire interest herein assigned, and that Assignor has not executed, and will not execute, any agreement in conflict herewith.

AND Assignor does further hereby covenant and agree that it will communicate to said Assignee, its successors, legal representatives and assigns, any facts known to it respecting said pending applications, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuing and reissue applications, make all rightful oaths and generally do everything reasonably necessary to aid said Assignee, its successors, legal representatives and assigns, to obtain and enforce any attendant rights in all countries.

IN WITNESS WHEREOF, Oracle Corporation has caused this instrument to be signed  
duly authorized corporate officer and its corporate seal to be affixed, as of this 30<sup>th</sup>  
of October, 2003.

**Oracle Corporation**

By: *Daniel Cooperman*

Name: Daniel Cooperman

Title: Senior Vice President and General Counsel