

02-20-2003



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FORM PTO-1595

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# **RECORDATION FORM COVER SHEET PATENTS ONLY**

U.S. DEPARTMENT OF COMMERCE

Patent and Trademark Office

To the Assistant Commissioner for Patents and Trademarks: Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):

Oracle Corporation  
500 Oracle Parkway  
Redwood Shores, CA 94065

02.19.03

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

**Name: Oracle International Corporation**  
**Street Address: 500 Oracle Parkway**  
**City: State: Zip: Redwood Shores, CA 94065**

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

3. Nature of conveyance:

☒ Assignment  
☐ Security Agreement  
☐ Other

☐ Merger  
☐ Change of Name

Additional name(s) &amp; address(es) attached?

☒ Yes ☐ No

Execution Date: February 6, 2003

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:

A. Patent Application No.(s): Attached See Schedule A

Patent No.(s):

Additional numbers attached? ☒ Yes ☐ No

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

**Name: A. Richard Park (Reg. No. 41,241)**  
**Park, Vaughan & Fleming LLP**  
**508 Second Street, Suite 201**  
**Davis, CA 95616**

6. Total number of applications and patents involved: [66]

7. Total fee (37 CFR 3.41) .....\$2,640.00  
☒ Enclosed  
☐ Authorized to be charged to deposit account

8. Deposit account number:

## DO NOT USE THIS SPACE

9. 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.*

A. Richard Park

Name of Person Signing

Signature

February 13, 2003

Date

Total number of pages including cover sheet, attachments and document: [15]

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**PATENT**  
**REEL: 013737 FRAME: 0276**

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

<b>No</b>	<b>Docket No.</b>	<b>Appl. No.</b>	<b>Filing Date</b>	<b>Title</b>
1	OID-1997-056-02	09/138,029	8/21/1998	REVERSIBLE MOVE/MERGE OPERATION FOR A GENERAL LEDGER
2	OID-1999-019-01	09/322,889	5/29/1999	METHOD AND APPARATUS FOR PROVIDING INFORMATION TO SUPPORT FLOW MANUFACTURING
3	OID-1999-039-01	09/518,279	3/3/2000	TIER-INDEPENDENT DATA ACCESS FRAMEWORK
4	OID-1999-086-01	09/524,424	3/11/2000	SYSTEM AND METHOD FOR REDUCING NETWORK TRAFFIC BETWEEN TWO COMPUTING DEVICES
5	OID-1999-133-01	09/516,661	3/1/2000	METHOD AND APPARATUS FOR PROCESSING SELF-SERVICE MOVE REQUESTS
6	OID-1999-134-01	09/556,608	4/21/2000	METHOD AND APPARATUS FOR FACILITATING SPACE AND LEASE ADMINISTRATION
7	OID-1999-174-01	09/539,266	3/30/2000	METHOD AND APPARATUS FOR SHARING A SECURE CONNECTION BETWEEN A CLIENT AND MULTIPLE SERVERS
8	OID-1999-175-01	09/544,709	4/6/2000	FACILITATING SINGLE SIGN-ON BY USING AUTHENTICATED CODE TO ACCESS A PASSWORD STORE
9	OID-1999-176-01	09/550,725	4/17/2000	METHOD AND APPARATUS FOR FACILITATING SINGLE SIGN ON THROUGH REDIRECTION TO A LOGIN SERVER
10	OID-1999-184-01	09/643,318	8/21/2000	METHOD AND APPARATUS FOR CONFIGURING EXTENSIBLE APPLICATION PROGRAMMING INTERFACES
11	OID-1999-186-01	09/649,850	8/29/2000	PERFORMANCE-BASED CACHING
12	OID-1999-187-01	09/650,498	8/29/2000	MULTI-TIERED CACHING SYSTEM
13	OID-1999-190-01	09/607,823	6/30/2000	SIDE-BAND KEY EXCHANGE FOR SECURING AN APPLICATION
14	OID-2000-007-01	09/658,349	9/11/2000	QUERY OPTIMIZATION WITH SWITCH PREDICATES
15	OID-2000-008-01	09/559,171	4/26/2000	SELECTIVELY AUDITING ACCESSSES TO ROWS WITHIN A RELATIONAL DATABASE AT A DATABASE SERVER
16	OID-2000-011-01	09/559,206	4/26/2000	REFORMING QUERIES TO SELECTIVELY AUDIT ACCESSSES TO ROWS WITHIN A RELATIONAL DATABASE
17	OID-2000-017-01	09/577,220	5/23/2000	METHOD AND APPARATUS FOR SHARING A SECURITY CONTEXT BETWEEN DIFFERENT SESSIONS ON A DATABASE SERVER
18	OID-2000-032-01	09/680,600	10/6/2000	METHOD AND APPARATUS FOR FACILITATING SPACE AND LEASE ADMINISTRATION
19	OID-2000-037-01	09/569,514	5/12/2000	SERVICING DATABASE REQUESTS USING READ-ONLY DATABASE SERVERS COUPLED TO A MASTER DATABASE SERVER
20	OID-2000-038-01	09/658,131	9/13/2000	METHOD AND APPARATUS FOR ENCRYPTION PROGRAMMING INTERFACE
21	OID-2000-038-02	09/680,599	10/6/2000	METHOD AND APPARATUS FOR AUTOMATIC DATABASE ENCRYPTION
22	OID-2000-043-01	09/728,891	12/2/2000	SYSTEM AND METHOD FOR SERVING PRE-GENERATED PRESENTATION VIEWS OF REQUESTED DATA
23	OID-2000-079-01	09/829,532	4/9/2001	METHOD AND APPARATUS FOR SHARING CACHED DATA
24	OID-2000-084-01	09/728,802	12/2/2000	SYSTEM AND METHOD FOR DYNAMICALLY PRESENTING A LIST OF ITEMS

<b>No</b>	<b>Docket No.</b>	<b>Appl. No.</b>	<b>Filing Date</b>	<b>Title</b>
25	OID-2000-112-01	09/769,927	1/24/2001	SYSTEM AND METHOD FOR PRODUCING A VIRTUAL ONLINE BOOK
26	OID-2000-121-01	09/834,342	4/13/2001	SYSTEM AND METHOD FOR PREDICTING CACHE PERFORMANCE
27	OID-2000-137-01	09/677,441	9/29/2000	METHOD AND APPARATUS FOR CONTROLLING WORKFLOW THROUGH ELECTRONIC MAIL
28	OID-2000-140-01	09/741,680	12/15/2000	METHOD AND APPARATUS FOR MANAGEMENT OF ENCRYPTED DATA THROUGH ROLE SEPARATION
29	OID-2000-141-01	09/748,026	12/21/2000	METHOD AND APPARATUS FOR FACILITATING COMPARTMENTALIZED DATABASE USER MANAGEMENT
30	OID-2000-142-01	09/741,691	12/15/2000	METHOD AND APPARATUS FOR DELEGATING DIGITAL SIGNATURES TO A SIGNATURE SERVER
31	OID-2000-146-01	09/711,096	11/9/2000	METHOD AND APPARATUS FOR FACILITATING BILLING TRANSACTIONS THROUGH ELECTRONIC MAIL
32	OID-2000-180-01	10/144,535	5/10/2002	SYSTEM AND METHOD FOR TESTING THE COMPATIBILITY OF A COMPUTER APPLICATION WITH A FOREIGN CHARACTER SET
33	OID-2001-004-01	09/922,617	8/4/2001	AUTOMATIC INVALIDATION OF CACHED DATA
34	OID-2001-005-01	09/923,102	8/4/2001	SYSTEM AND METHOD FOR SERVING ONE SET OF CACHED DATA FOR DIFFERING DATA REQUESTS
35	OID-2001-006-01	09/923,103	8/4/2001	SYSTEM AND METHOD FOR CUSTOMIZING CACHED DATA
36	OID-2001-007-01	09/923,072	8/4/2001	SYSTEM AND METHOD FOR SESSION-AWARE CACHING
37	OID-2001-008-01	09/923,073	8/4/2001	MULTI-VERSION DATA CACHING
38	OID-2001-009-01	09/932,524	8/17/2001	PARTIAL PAGE CACHING
39	OID-2001-023-01	09/873,150	6/1/2001	METHOD AND APPARATUS FOR IDENTIFYING A DATA SEQUENCE RELATED TO A GIVEN DATA SEQUENCE
40	OID-2001-011-01	09/872,551	5/31/2001	METHOD AND APPARATUS FOR SERVER-SIDE RULE PROCESSING OF ELECTRONIC MAIL IN A DATABASE ENVIRONMENT
41	OID-2001-027-01	09/921,961	8/2/2001	METHOD AND APPARATUS FOR SECURE ELECTRONIC COMMERCE
42	OID-2001-033-01	09/944,832	8/31/2001	SELF-ADAPTIVE HYBRID CACHE
43	OID-2001-042-01	09/872,552	5/31/2001	EFFICIENT COLLATION ELEMENT STRUCTURE FOR HANDLING LARGE NUMBERS OF CHARACTERS
44	OID-2001-044-01	10/144,563	5/10/2002	SYSTEM AND METHOD FOR AUTO-EVOLVABLE REMOTE PROCEDURE CALL STRUCTURES
45	OID-2001-049-01	09/863,146	5/22/2001	METHOD AND APPARATUS FOR PROVIDING A SERVICE THAT DYNAMICALLY GENERATES VOICE GRAMMARS
46	OID-2001-068-01	09/957,736	9/20/2001	METHOD AND APPARATUS FOR AUTOMATIC NOTIFICATION OF DATABASE EVENTS
47	OID-2001-074-01	10/044,008	1/11/2002	METHOD AND APPARATUS FOR SECURE MESSAGE QUEUING
48	OID-2001-075-01	10/027,100	12/19/2001	METHOD AND APPARATUS TO FACILITATE ACCESS AND PROPAGATION OF MESSAGES IN COMMUNICATION QUEUES USING A PUBLIC NETWORK
49	OID-2001-077-01	10/040,188	12/19/2001	SYSTEM AND METHOD FOR ENHANCING PROGRAM DATA
50	OID-2001-109-01	10/102,320	3/19/2002	METHOD AND APPARATUS TO FACILITATE INTERACTION MANAGEMENT BETWEEN LOOSELY COUPLED APPLICATIONS

<b>No</b>	<b>Docket No.</b>	<b>Appl. No.</b>	<b>Filing Date</b>	<b>Title</b>
51	OID-2001-110-01	10/121,354	4/12/2002	SYSTEM AND METHOD FOR EVALUATING THE INTEGRITY OF A SET OF FILES
52	OID-2001-130-01	10/071,415	2/8/2002	SYSTEM AND METHOD FOR FACILITATING A DISTRIBUTED SEARCH OF LOCAL AND REMOTE SYSTEMS
53	OID-2001-158-01	10/072,089	2/8/2002	METHOD AND APPARATUS TO FACILITATE A GLOBAL TIMEOUT IN A DISTRIBUTED COMPUTING ENVIRONMENT
54	OID-2001-159-01	10/043,800	1/10/2002	METHOD AND APPARATUS TO FACILITATE INDIVIDUAL AND GLOBAL LOCKOUTS TO NETWORK APPLICATIONS
55	OID-2001-172-01	10/106,729	3/26/2002	METHOD AND APPARATUS FOR PROVIDING A TAX SERVICE THAT IS CONFIGURABLE FOR LOCAL JURISDICTIONS
56	OID-2001-185-01	10/228,247	8/26/2002	SYSTEM AND METHOD FOR REAL-TIME CO-BROWSING
57	OID-2001-187-01	10/227,766	8/26/2002	SYSTEM AND METHOD FOR REAL-TIME ANNOTATION OF A CO-BROWSED DOCUMENT
58	OID-2001-212-01	10/060,476	1/30/2002	METHOD AND APPARATUS TO FACILITATE TRANSACTIONAL CONSISTENCY FOR REFERENCES IN OBJECT-RELATIONAL DATABASES
59	OID-2001-225-01	10/197,760	7/17/2002	SYSTEM AND METHOD FOR CACHING DATA FOR A MOBILE APPLICATION
60	OID-2001-237-01	10/054,574	1/22/2002	METHOD AND APPARATUS FOR FACILITATING LOW-COST AND SCALABLE DIGITAL IDENTIFICATION AUTHENTICATION
61	OID-2001-238-01	10/074,955	2/12/2002	METHOD AND APPARATUS TO FACILITATE SINGLE SIGN-ON SERVICES FOR EXTERNAL APPLICATIONS
62	OID-2001-247-01	10/160,524	6/3/2002	METHOD AND APPARATUS TO FACILITATE SINGLE SIGN-ON SERVICES IN A HOSTING ENVIRONMENT
63	OID-2001-256-01	10/197,738	7/17/2002	INTELLIGENT CLIENT AGENT FOR A HYBRID ONLINE/OFFLINE APPLICATION
64	OID-2002-001-01	10/158,969	5/31/2002	SYSTEM AND METHOD FOR CONVERTING AN ELECTRONICALLY STORED DOCUMENT
65	OID-2002-009-01	10/241,732	9/10/2002	SYSTEM AND METHOD FOR APPLYING A PARTIAL PAGE CHANGE
66	OID-2002-115-01	10/282,170	10/28/2002	METHOD AND APPARATUS FOR UPDATING A SECONDARY FORM ELEMENT FROM A PRIMARY FORM ELEMENT

**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 by a duly authorized corporate officer and its corporate seal to be affixed, as of this 6<sup>th</sup> day of February, 2003.

**Oracle Corporation**

By:



Name: Daniel Cooperman

Title: Senior Vice President and General Counsel