

1-31-92

Patent and Trademark Office

Docket No.: 50277-2358



102725621

To the Honorable Commissioner of Patents and

original documents or copy thereto:

1. Name of Conveying Party(ies): 4-16-04  
William H. Bridge, Jr., Boris Klotz, Juan R. Loaiza, and Ashok Joshi

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

Internal Address:

Additional name(s) of conveying party(ies) attached?  Yes

3. Nature of Conveyance:  
 Assignment  Merger  
 Security Agreement  Change of Name  
 Other

Street Address: 500 Oracle Parkway

City: Redwood Shores State/Country CA ZIP: 94065

Execution Date: June 11, 1998, June 10, 1998, June 23, 1998, June 22, 1998

Additional name(s) & address(es) attached?  Yes

4. Application number(s) or patent number(s):

If the document is being filed together with a new application, the execution date of the application is:

A. Patent Application No(s). 10/750,806 Filed January 2, 2004

B. Patent No(s).

Additional numbers attached?  Yes

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

Name: HICKMAN PALERMO TRUONG & BECKER LLP

Internal Address:

Street Address: 1600 Willow Street

City: San Jose State: CA Zip: 95125

6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 3.41) \$40.00

Enclosed

Authorized to be charged to deposit account

8. Deposit account number:

50-1302

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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.*

Christopher J. Brokaw, Reg. No. 45,620

April 13, 2004

Name and Registration No. of Person Signing

Signature

Date

Total number of pages comprising cover sheet: 1

CMB No. 0851-0011 (exp. 4/94)

FOI: 4021 40.00 DP

OID 1997-008-09-CON2

This document is intended for the attached Application Serial No. 10/750,806 submitted herewith, which is a Continuation of Application Serial No. 09/843,388 (now Patent No. 6,678,704) filed April 25, 2001.

	Attorney Docket No.	OID Docket No.	Appl. No.	Filing Date	Title
135.	50277-1737	OID 2001-036-01	10/120,634	4/10/02	Transforming Transactions To Increase Parallelism When Replicating
136.	50277-1738	OID 2001-051-01	10/107,106	3/26/02	Incremental Refresh of Materialized Views Containing Rank Function, and Rewrite of Queries Containing Rank or Rownumber or Min/Max Aggregate Functions Using Such A Materialized View
137.	50277-1744	OID 1997-06-05-con	09/894,640	6/27/01	Using a Checkpoint to Manage Data that is Shared by a Plurality of Nodes
138.	50277-1745	OID 1997-008-09-CON	09/843,388	4/25/01	Method and System for Controlling Recovery Downtime
139.	50277-1746	OID 2001-066-01	10/124,908	4/17/02	Database Management System for Implementing Independent Database Actions in Response to Events of Interest
140.	50277-1747	OID 2001-001-01	09/945,160	8/31/01	TECHNIQUES FOR SERVER-CONTROLLED MEASUREMENT OF CLIENT-SIDE PERFORMANCE
141.	50277-1748	OID 2001-052-01	10/118,203	4/5/02	Retry Technique for Multi-Tier Network Communication Systems
142.	50277-1752	OID 2001-108-01-PRO	60/289,716	5/8/01	Customer Relationship Management
143.	50277-1753	OID 2001-108-01	09/940,870	8/27/01	Techniques for Managing Resources for Multiple Exclusive Groups
144.	50277-1754	OID 2001-082-01	09/968,617	9/28/01	TECHNIQUES FOR PEER-TO-PEER REPLICATION OF OBJECTS IN A RELATIONAL DATABASE
145.	50277-1755	OID 2001-083-01	10/006,605	12/5/01	Object-Oriented Materialized Views
146.	50277-1756	OID 2001-084-01	09/968,568	9/28/01	Incremental Refresh of Materialized Views For Many-to-Many Relationships
147.	50277-1757	OID 2001-089-01	09/967,856	9/28/01	TECHNIQUES FOR ADDING A MASTER IN A DISTRIBUTED DATABASE WITHOUT SUSPENDING DATABASE OPERATIONS AT EXTANT MASTER SITES
148.	50277-1758	OID 2001-091-01	09/968,703	9/28/01	Online Reorganization and Redefinition of Relational Database Tables
149.	50277-1763	OID 2001-105-01	10/056,716	1/22/02	Semantic Response to Lock Requests to Reduce Coherence Overhead in Multi-Node Systems
150.	50277-1764	OID 2001-054-01	09/965,334	9/25/01	TECHNIQUES FOR MODIFYING A COMPILED APPLICATION
151.	50277-1766	OID 2001-125-01	10/040,578	12/28/01	Property Bundles on a Per Instance Basis
152.	50277-1767	OID 2001-126-01	10/040,500	12/28/01	Categories on a Per Instance Basis

No.: 50277-188(OID-1997-08-09)

In consideration of good and valuable consideration, the receipt of which is hereby acknowledged, I  
the undersigned, William H. Bridge, Jr., Boris Klots, Juan R. Loaiza, Ashok Joshi

hereby sell, assign, and transfer to Oracle Corporation

a corporation of Delaware, having a principal place of business at 500 Oracle Parkway,

Redwood Shores, California 94065, ("Assignee"),  
and its successors, assigns, and legal representatives, the entire right, title, and interest for the United States and all  
foreign countries, in and to any and all improvements that are disclosed in the application for the United States  
patent that

X will be filed concurrently with this assignment, or

         was filed on                                 , and assigned  
Serial Number                                 ,

and is entitled "METHOD AND SYSTEM FOR CONTROLLING RECOVERY DOWNTIME"

and in and to said application and all divisional, continuing, substitute, renewal, reissue, and all other patent  
applications that have been or shall be filed in the United States and all foreign countries on any of said  
improvements; and in and to all original and reissued patents that have been or shall be issued in the United States  
and all foreign countries on said improvements; and in and to all rights of priority resulting from the filing of said  
United States application;

agree that said Assignee may apply for and receive a patent or patents for said improvements in its own  
name; and that, when requested, without charge to, but at the expense of, said Assignee, its successors, assigns,  
and legal representatives, 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 said  
improvements; execute all assignments and powers of attorney; communicate to said Assignee, its successors,  
assigns, and representatives all facts known to the undersigned relating to said improvements and the history  
thereof; and generally assist said Assignee, its successors, assigns, or representatives in securing and maintaining  
proper patent protection for said improvements and for vesting title to said improvements, and all applications for  
patents and all patents on said improvements, in said Assignee, its successors, assigns, and legal representatives;  
and

covenant with said Assignee, its successors, assigns, and legal representatives 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 full right to convey the same as herein expressed is possessed by the undersigned.

**Each Inventor: Please Sign and Date Below:**

June 11, 1998  
Date

William H. Bridge, Jr.  
Name: William H. Bridge, Jr.

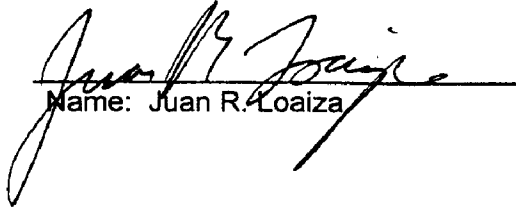
**Each Inventor: Please Sign and Date Below:**

6/10, 19 98  
Date

Boris Klots  
Name: Boris Klots

Each Inventor: Please Sign and Date Below:

Jun 23, 1998  
Date

  
Name: Juan R. Loaiza

Each Inventor: Please Sign and Date Below:

June 22, 19 98  
Date

Ashok Joshi  
Name: Ashok Joshi



UNITED STATES  
PATENT AND  
TRADEMARK OFFICE

50277-0010

BD4/CF

SEPTEMBER 08, 2003

Deputy Under Secretary of Commerce For Intellectual Property and  
Deputy Director of the United States Patent and Trademark Office  
Washington, DC 20231  
www.uspto.gov

PTAS

HICKMAN PALERMO TRUONG & BECKER, LLP  
BRIAN D. HICKMAN  
1600 WILLOW STREET  
SAN JOSE, CA 95125



\*102427151A\*

UNITED STATES PATENT AND TRADEMARK OFFICE  
NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

THE ENCLOSED DOCUMENT HAS BEEN RECORDED BY THE ASSIGNMENT DIVISION OF THE U.S. PATENT AND TRADEMARK OFFICE. A COMPLETE MICROFILM COPY IS AVAILABLE AT THE ASSIGNMENT SEARCH ROOM ON THE REEL AND FRAME NUMBER REFERENCED BELOW.

PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, ASSIGNMENT DIVISION, BOX ASSIGNMENTS, CG-4, 1213 JEFFERSON DAVIS HWY, SUITE 320, WASHINGTON, D.C. 20231.

RECORDATION DATE: 04/21/2003

REEL/FRAME: 013944/0938  
NUMBER OF PAGES: 30

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:

ORACLE CORPORATION

DOC DATE: 04/11/2003

ASSIGNEE:

ORACLE INTERNATIONAL CORPORATION  
500 ORACLE PARKWAY  
REDWOOD SHORES, CALIFORNIA 94065

SERIAL NUMBER: 08669689  
PATENT NUMBER: 6574654

FILING DATE: 06/24/1996  
ISSUE DATE: 06/03/2003

SERIAL NUMBER: 08794269  
PATENT NUMBER:

FILING DATE: 02/03/1997  
ISSUE DATE:

SERIAL NUMBER: 09156548  
PATENT NUMBER:

FILING DATE: 09/17/1998  
ISSUE DATE:

SERIAL NUMBER: 08960556  
PATENT NUMBER: 6574673

FILING DATE: 10/31/1997  
ISSUE DATE: 06/03/2003

**PATENT**  
**REEL: 015220 FRAME: 0241**



SERIAL NUMBER: 10044457 PATENT NUMBER:	FILING DATE: 01/11/2002 ISSUE DATE:
SERIAL NUMBER: 09866143 PATENT NUMBER:	FILING DATE: 05/25/2001 ISSUE DATE:
SERIAL NUMBER: 09912458 PATENT NUMBER:	FILING DATE: 07/24/2001 ISSUE DATE:
SERIAL NUMBER: 09866111 PATENT NUMBER:	FILING DATE: 05/25/2001 ISSUE DATE:
SERIAL NUMBER: 10120634 PATENT NUMBER:	FILING DATE: 04/10/2002 ISSUE DATE:
SERIAL NUMBER: 10107106 PATENT NUMBER:	FILING DATE: 03/26/2002 ISSUE DATE:
SERIAL NUMBER: 09894640 PATENT NUMBER: 6567827	FILING DATE: 06/27/2001 ISSUE DATE: 05/20/2003
SERIAL NUMBER: 09843388 PATENT NUMBER:	FILING DATE: 04/25/2001 ISSUE DATE:
SERIAL NUMBER: 10124908 PATENT NUMBER:	FILING DATE: 04/17/2002 ISSUE DATE:
SERIAL NUMBER: 09945160 PATENT NUMBER:	FILING DATE: 08/31/2001 ISSUE DATE:
SERIAL NUMBER: 10118203 PATENT NUMBER:	FILING DATE: 04/05/2002 ISSUE DATE:
SERIAL NUMBER: 60289716 PATENT NUMBER:	FILING DATE: 05/08/2001 ISSUE DATE:
SERIAL NUMBER: 09940870 PATENT NUMBER: 6606627	FILING DATE: 08/27/2001 ISSUE DATE: 08/12/2003
SERIAL NUMBER: 09968617 PATENT NUMBER:	FILING DATE: 09/28/2001 ISSUE DATE:
SERIAL NUMBER: 10006605 PATENT NUMBER:	FILING DATE: 12/05/2001 ISSUE DATE:
SERIAL NUMBER: 09968568 PATENT NUMBER:	FILING DATE: 09/28/2001 ISSUE DATE:
SERIAL NUMBER: 09967856 PATENT NUMBER:	FILING DATE: 09/28/2001 ISSUE DATE:
SERIAL NUMBER: 09968703 PATENT NUMBER:	FILING DATE: 09/28/2001 ISSUE DATE: