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FORM PTO-1596
1-31-92

100938814

U.S. DEPARTMENT OF COMMERCE
Patent and Trademark Office

Docket No.: 50277-181 (OID 1997-50-02) PATENTS ONLY

To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereto:

1. Name of Conveying Party(ies):

Andrew Witkowski

12.28.98

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

Name: Oracle Corporation

Address: 500 Oracle Parkway

Redwood Shores, CA 94065

 10525 U.S. PTO
 09/22/98
 12/28/98
Additional name(s) of conveying party(ies) attached? ☐ Yes

3. Nature of Conveyance:

☒ Assignment☐ Merger☐ Security Agreement☐ Change of Name☐ Other

Execution Date: September 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: September 22, 1998

A. Patent Application No(s).

B. Patent No(s).

Additional numbers attached? ☐ Yes

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

Name: MCDERMOTT, WILL & EMERY

Internal Address:

Street Address: 99 Canal Center Plaza, Suite 300

City: Alexandria State: VA Zip: 22314

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:

50-0385

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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.

Marcel K. Bingham, Reg. No. 42,327

December 21, 1998

Name and Registration No. of Person Signing

Signature

Date

Total number of pages comprising cover sheet: 1

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

01/08/1999 DNGUYEN 00000305 500385 09221649

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EXPRESS MAIL NO. EL02760742645

PATENT
REEL: 9680 FRAME: 0698

In consideration of good and valuable consideration, the receipt of which is hereby acknowledged, I
the undersigned, ANDREW WITKOWSKI

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 "USING A MATERIALIZED VIEW TO PROCESS A RELATED QUERY CONTAINING A
ONE TO MANY LOSSLESS JOIN"

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:

9/22, 19 98 
Date Name: ANDREW WITKOWSKI