
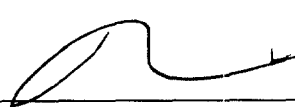


FORM PTO-1596	04-05-2002	U.S. DEPARTMENT OF COMMERCE Patent and Trademark Office
1-31-92		
Docket No.: 50277-1738	102044914	
To the Honorable Commissioner of Patents _____ original documents or copy thereto:		
1. Name of Conveying Party(ies): 3-26-02 ABHINAV GUPTA and ANDREW WITKOWSKI Additional name(s) of conveying party(ies) attached? <input type="checkbox"/> Yes	2. Name and address of receiving party(ies): Name: <u>Oracle Corporation</u> Internal Address: _____ Street Address: <u>500 Oracle Parkway</u> City: <u>Redwood Shores</u> State/Country <u>CA</u> ZIP: <u>94065</u>	
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 type="checkbox"/> Other	Execution Date: <u>March 22, 2002 and March 25, 2002</u> Additional name(s) & address(es) attached? <input type="checkbox"/> Yes	
4. Application number(s) or patent number(s): 10,107106 If the document is being filed together with a new application, the execution date of the application is: <u>March 22 and 25, 2002</u>		
A. Patent Application No(s). 03/25/2002 HDMESS1 00000053 10107106 04 FD:581 40.00 DP	B. Patent No(s). Additional numbers attached? <input type="checkbox"/> Yes	
5. Name and address of party to whom correspondence concerning Document should be mailed: Name: <u>HICKMAN PALERMO TRUONG & BECKER LLP</u> Internal Address: _____ Street Address: <u>1600 Willow Street</u> City: <u>San Jose</u> State: <u>CA</u> Zip: <u>95125</u>	6. Total number of applications and patents involved: <u>1</u> 7. Total fee (37 CFR 3.41) <u>\$40.00</u> <input checked="" type="checkbox"/> Enclosed <input type="checkbox"/> Authorized to be charged to deposit account	
8. Deposit account number: <u>50-1302</u>		
DO NOT USE THIS SPACE		
9. Statement and signature. <i>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.</i> <div style="display: flex; justify-content: space-between;"> <div style="width: 40%;"> Marcel K. Bingham, Reg. No. 42,327 </div> <div style="width: 30%; text-align: center;">  </div> <div style="width: 20%; text-align: right;"> March 26, 2002 </div> </div>		
Name and Registration No. of Person Signing	Signature	Date
Total number of pages comprising cover sheet: <u>1</u>		
CMB No. 0851-0011 (exp. 4/94)		

 11046 U.S. PTO
 10/107106
 03/26/02

ASSIGNMENT OF APPLICATION FOR PATENT

WHEREAS:

ABHINAV GUPTA of 170 Waverly Street, Apt. F, Palo Alto, CA 94301, U.S.A., and

ANDREW WITKOWSKI of 16 Dory Lane, Foster City, CA 94404, U.S.A.,

(hereinafter referred to as ASSIGNOR(S)), have made a discovery or invention entitled:

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

- for which application for Letters Patent of the United States has been executed on even date herewith,
- for which application for Letters Patent of the United States has been filed on _____, under Application No. _____, and

WHEREAS:

Oracle Corporation, a corporation of Delaware, having a business address of 500 Oracle Parkway, Mail Stop 50P7, Redwood Shores, CA 94065

(hereinafter referred to as ASSIGNEE), is desirous of acquiring the entire interest in, to and under said invention and in, to and under Letters Patent or similar legal protection to be obtained therefor in the United States and in any and all foreign countries.

NOW, THEREFORE, TO ALL WHOM IT MAY CONCERN:

Be it known that for good and valuable consideration, the receipt of which is hereby acknowledged, ASSIGNOR(S) hereby sells, assigns and transfers to ASSIGNEE, the full and exclusive right, title and interest to said discovery or invention in the United States and its territorial possessions and in all foreign countries and to all Letters Patent or similar legal protection in the United States and its territorial possessions and in any and all foreign countries to be obtained for said invention by said application or any continuation, division, renewal, substitute, reissue and/or any application claiming priority thereof, including any legal equivalent thereof, in a foreign country for the full term or terms for which the same may be granted.

WE, SAID ASSIGNOR(S), hereby authorize and request the Commissioner of Patents and Trademarks of the United States of America and any Official of any country or countries foreign to the United States of America whose duty it is to issue Letters Patent on applications as aforesaid, to issue all such Letters Patent for said discovery or invention to the ASSIGNEE, as assignee of the entire right, title and interest in, to and under the same, for the sole use and benefit of the ASSIGNEE, its successors, legal representatives and assigns, in accordance with the terms of this instrument.

Oracle Matter No.
OID 2001-051-01

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Express Mail No. EL652872702^{US}

WE, SAID, ASSIGNOR(S), hereby covenant with 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 I have full right to convey the entire right, title and interest herein sold, assigned, transferred and set over;

AND WE, SAID ASSIGNOR(S) hereby further covenant and agree that the ASSIGNEE, its successors, legal representatives, or assigns, may apply for foreign Letters Patent on said discovery or invention and claim the benefits of the International Convention, and that I will, at any time, when called upon to do so by the ASSIGNEE, its successors, legal representatives, or assigns, communicate to the ASSIGNEE, its successors, legal representatives, or assigns, as the case may be, any facts known to me respecting said discovery or invention, and execute and deliver any and all lawful papers that may be necessary or desirable to perfect the title to the said discovery or invention, the said applications and the said Letters Patent in the ASSIGNEE, its successors, legal representatives and assigns, and that if reissues of the said Letters Patent or disclaimers relating thereto, or divisions, continuations, or refilings of the said applications, or any thereof, shall hereafter be desired by the ASSIGNEE, its successors, legal representatives, or assigns, I will, at any time, when called upon to do so by the ASSIGNEE its successors, legal representatives, or assigns, sign all lawful papers, make all rightful oaths, execute and deliver all such disclaimers and all divisional, continuation and reissue applications so desired, and do all lawful acts requisite for the application for such reissues and the procuring thereof and for the filing of such disclaimers and such applications, and generally do everything possible to aid the ASSIGNEE, its successors, legal representatives and assigns, to obtain and enforce proper patent protection for said invention or discovery in all countries, all without further compensation but at the expense of the ASSIGNEE, its successors, legal representatives and assigns.

Inventor(s): Please Sign and Date Below:

(1) 

Date: 03/22/02

ABHINAV GUPTA

(2) 

ANDREW WITKOSKI

Date: 3/25/02

Oracle Matter No.
OID 2001-051-01

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RECORDED: 03/26/2002

PATENT
REEL: 012746 FRAME: 0901