# RECORDATION FOR **PATENT**

05-20-2005 

Department of COMMERCE Patent and Trademark Office

To the Director of the U.S. Patents and Trademark Office: Pleas	100001040
Name of conveying party(ies)/Execution Date(s):	2
Russell John Green	2. Name and address of receiving party(ies)
Subhransu Basu Shrikanth Shankar	Name: Oracle International Corporation
Kumar Rajamani	
Ho Chak Hung	Internal Address:
Jaebock Lee	·
Execution Date(s) <u>All executed on May 10, 2005</u> Additional name of conveying party(ies) attached? ☐ Yes ⊠ No	Street Address:
3. Nature of conveyance:	500 Oracle Parkway, Mail Stop 5OP7
	City: Redwood Shores
☐ Security Agreement ☐ Change of Name	State: California
Government Interest Assignment	Country: U.S.A. Zip: 94065
Executive Order 9424, Confirmatory License	Additional Name (a) 0 adds (a) at the 10 Table 10
Other	Additional Name(s) & address(es) attached?  Yes  N
· · · · · · · · · · · · · · · · · · ·	B. Patent No.(s)
2005 6TUN11 00000023 502518 11129717  8021	B. Patent No.(s)  ached?  Yes  No  6. Total number of applications and patents involved: 1
2005 GTUN11 00000023 502518 11129717  8021 (40.00 DA)  Additional numbers atta  5. Name and address of party to whom correspondence concerning this document should be mailed:	ached? ☐ Yes ☒ No  6. Total number of applications and patents involved: 1
2005 GTUN11 00000023 502518 11129717  8021 Additional numbers atta  5. Name and address of party to whom correspondence concerning this document should be mailed:  Name: Peter C. Mei	6. Total number of applications and patents involved: 1  7. Total fee (37 CFR 1.21(h) & 3.41) \$\$\\$40.00
2005 GTUN11 00000023 502518 11129717  8021 Additional numbers atta  5. Name and address of party to whom correspondence concerning this document should be mailed:  Name: Peter C. Mei	ached? ☐ Yes ☑ No  6. Total number of applications and patents involved: 1  7. Total fee (37 CFR 1.21(h) & 3.41) \$\$40.00  ☐ Authorized to be charged by credit card
2005 GTUN11 00000023 502518 11129717  8021 Additional numbers atta  5. Name and address of party to whom correspondence concerning this document should be mailed:  Name: Peter C. Mei	6. Total number of applications and patents involved: 1  7. Total fee (37 CFR 1.21(h) & 3.41) \$\$\\$40.00
2005 GTUN11 00000023 502518 11129717  8021 Additional numbers atta  5. Name and address of party to whom correspondence concerning this document should be mailed:  Name: Peter C. Mei	ached? ☐ Yes ☑ No  6. Total number of applications and patents involved: 1  7. Total fee (37 CFR 1.21(h) & 3.41) \$\$40.00  ☐ Authorized to be charged by credit card
Additional numbers atta  5. Name and address of party to whom correspondence concerning this document should be mailed:  Name: Peter C. Mei  Internal Address:	7. Total fee (37 CFR 1.21(h) & 3.41) \$\$40.00  Authorized to be charged by credit card  Authorized to be charged to deposit account  Enclosed
Additional numbers atta  5. Name and address of party to whom correspondence concerning this document should be mailed:  Name: Peter C. Mei  Internal Address:  Street Address: Bingham McCutchen LLP  Three Embarcadero Center, Suite 1800	7. Total fee (37 CFR 1.21(h) & 3.41) \$\$40.00  Authorized to be charged by credit card  Authorized to be charged to deposit account  Enclosed
Additional numbers atta  5. Name and address of party to whom correspondence concerning this document should be mailed:  Name: Peter C. Mei  Internal Address:  Street Address: Bingham McCutchen LLP  Three Embarcadero Center, Suite 1800  City: San Francisco	ached? ☐ Yes ☒ No  6. Total number of applications and patents involved: 1  7. Total fee (37 CFR 1.21(h) & 3.41) \$\$40.00 ☐ Authorized to be charged by credit card ☒ Authorized to be charged to deposit account
Additional numbers atta  5. Name and address of party to whom correspondence concerning this document should be mailed:  Name: Peter C. Mei  Internal Address:  Street Address: Bingham McCutchen LLP  Three Embarcadero Center, Suite 1800  City: San Francisco	6. Total number of applications and patents involved: 1  7. Total fee (37 CFR 1.21(h) & 3.41) \$\$40.00  Authorized to be charged by credit card  Authorized to be charged to deposit account  Enclosed  None required (government interest not affecting title
Additional numbers atta  5. Name and address of party to whom correspondence concerning this document should be mailed:  Name: Peter C. Mei  Internal Address:  Street Address: Bingham McCutchen LLP  Three Embarcadero Center, Suite 1800  City: San Francisco  State; California  Zip: 94111-4067	7. Total fee (37 CFR 1.21(h) & 3.41) \$\$40.00  Authorized to be charged by credit card  Authorized to be charged to deposit account  Enclosed  None required (government interest not affecting title
Additional numbers atta  5. Name and address of party to whom correspondence concerning this document should be mailed:  Name: Peter C. Mei  Internal Address:  Street Address: Bingham McCutchen LLP  Three Embarcadero Center, Suite 1800  City: San Francisco  State: California  Zip: 94111-4067  Phone Number: (650) 849-4400	7. Total fee (37 CFR 1.21(h) & 3.41) \$\$40.00  Authorized to be charged by credit card  Authorized to be charged to deposit account  Enclosed  None required (government interest not affecting title  8. Payment Information  a. Credit Card Last 4 Numbers
Additional numbers atta  5. Name and address of party to whom correspondence concerning this document should be mailed:  Name: Peter C. Mei  Internal Address:  Street Address: Bingham McCutchen LLP  Three Embarcadero Center, Suite 1800  City: San Francisco  State: California  Zip: 94111-4067  Phone Number: (650) 849-4800  Fax Number: (650) 849-4800	6. Total number of applications and patents involved: 1  7. Total fee (37 CFR 1.21(h) & 3.41) \$\$40.00  Authorized to be charged by credit card  Authorized to be charged to deposit account  Enclosed  None required (government interest not affecting title  8. Payment Information  a. Credit Card Last 4 Numbers Expiration Date
Additional numbers atta  5. Name and address of party to whom correspondence concerning this document should be mailed:  Name: Peter C. Mei  Internal Address: Bingham McCutchen LLP  Three Embarcadero Center, Suite 1800  City: San Francisco  State: California Zip: 94111-4067  Phone Number: (650) 849-4400  Fax Number: (650) 849-4800  Email Address: peter.mei@bingham.com	6. Total number of applications and patents involved: 1  7. Total fee (37 CFR 1.21(h) & 3.41) \$\$40.00  Authorized to be charged by credit card  Authorized to be charged to deposit account  Enclosed  None required (government interest not affecting title)  8. Payment Information  a. Credit Card Last 4 Numbers Expiration Date  b. Deposit Account Number 50-2518  Authorized User Name
Additional numbers atta  5. Name and address of party to whom correspondence concerning this document should be mailed:  Name: Peter C. Mei  Internal Address:  Street Address: Bingham McCutchen LLP	6. Total number of applications and patents involved:  7. Total fee (37 CFR 1.21(h) & 3.41) \$\$40.00  Authorized to be charged by credit card  Authorized to be charged to deposit account  Enclosed  None required (government interest not affecting)  8. Payment Information  a. Credit Card Last 4 Numbers Expiration Date  b. Deposit Account Number 50-2518
Additional numbers atta  5. Name and address of party to whom correspondence concerning this document should be mailed:  Name: Peter C. Mei  Internal Address: Bingham McCutchen LLP  Three Embarcadero Center, Suite 1800  City: San Francisco  State: California Zip: 94111-4067  Phone Number: (650) 849-4400  Fax Number: (650) 849-4800  Email Address: peter.mei@bingham.com	7. Total fee (37 CFR 1.21(h) & 3.41) \$\$40.00  Authorized to be charged by credit card  Authorized to be charged to deposit account  Enclosed  None required (government interest not affecting tit  8. Payment Information  a. Credit Card Last 4 Numbers  Expiration Date  b. Deposit Account Number 50-2518  Authorized User Name

#### ASSIGNMENT OF APPLICATION FOR PATENT

W	<b>7</b> F	IE	R	E	A	5	•

Russell John Green, San Carlos, California, U.S.A.

Subhransu Basu, Fremont, California, U.S.A.

Shrikanth Shankar, Mountain View, California, U.S.A.

Kumar Rajamani, Santa Clara, California, U.S.A.

Ho Chak Hung, Redwood City, California, U.S.A.

Jaebock Lee, Sunnyvale, California, U.S.A.

(full name(s) and city and state of residence of inventor(s) (including country))

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

## SYSTEM FOR MANAGING VERSIONS OF CACHED METADATA

$\boxtimes$	for which application for Letters Patent of the United States has been executed on ever date herewith,
	for which application for Letters Patent of the United States has been filed on, under Application No, and

## WHEREAS:

Oracle International Corporation, a corporation of California, having a business address of 500 Oracle Parkway, Mail Stop 5OP7, Redwood Shores, CA 94065

and which, together with its successors, assigns, and legal representatives, is hereinafter referred to as ASSIGNEE, is desirous of acquiring the entire right, title and 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, continuation-in-part, divisional, reexamination, 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.

Oracle Matter No. OID-2003-201-01 PA/52160074.1/2021039-7039012001

1

I, 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 in accordance with the terms of this instrument.

I, SAID, ASSIGNOR(S), hereby covenant with ASSIGNEE 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 I, SAID ASSIGNOR(S) hereby further covenant and agree that the ASSIGNEE 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 communicate to the ASSIGNEE 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 and that if reissues or reexaminations of the said Letters Patent or disclaimers relating thereto, or divisionals, continuations, continuation-in-parts of the said applications shall hereafter be desired by the ASSIGNEE, I will, at any time, when called upon to do so by the ASSIGNEE sign all lawful papers, make all rightful oaths, execute and deliver all such disclaimers and all divisional, continuation, continuation-in-part, reexamination, and reissue applications so desired, and do all lawful acts requisite for the application for such continuations, continuation-in-parts, divisionals, reexaminations, or reissues and the procuring thereof and for the filing of such disclaimers and such applications, and generally do everything possible to aid the ASSIGNEE 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.

Inventor(s): Please Sign and Date Below:

(1) Procedit of Green

Date

5/10/05

Oracle Matter No.
OID-2003-201-01
PN52160074.1/2021039-7039012001

2

(2) Subhransu Basu Da

Date: 5/10/05

Oracle Matter No. OID-2003-201-01 PA/52160074.1/2021039-7039012001

3

(3) Southald

Date: 5/10/05

Oracle Matter No. OID-2003-201-01 PA/52160074.1/2021039-7039012001

4

(4)  $\frac{R}{\text{Kumar Rajamani}}$  Date:  $\frac{05}{10}/05$ 

Oracle Matter No. OID-2003-201-01
PA/52160074.1/2021039-7039012001

5

(5) Ho Chak Hung Date: 05/10/05

Oracle Matter No. OID-2003-201-01
PA/52160074.1/2021039-7039012001

6

(6) Ja Bol In

Date: 05/10/05

Oracle Matter No. OID-2003-201-01 PA/52160074.1/2021039-7039012001

7

### ASSIGNMENT OF APPLICATION FOR PATENT

W	H	FR	H	Δ	S	

Russell John Green, San Carlos, California, U.S.A.

Subhransu Basu, Fremont, California, U.S.A.

Shrikanth Shankar, Mountain View, California, U.S.A.

Kumar Rajamani, Santa Clara, California, U.S.A.

Ho Chak Hung, Redwood City, California, U.S.A.

Jaebock Lee, Sunnyvale, California, U.S.A.

(full name(s) and city and state of residence of inventor(s) (including country))

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

# SYSTEM FOR MANAGING VERSIONS OF CACHED METADATA

<b>X</b>	for which application for Letters Patent of the United States has been executed on ever date herewith,
	for which application for Letters Patent of the United States has been filed on, under Application No, and

#### WHEREAS:

Oracle International Corporation, a corporation of California, having a business address of 500 Oracle Parkway, Mail Stop 5OP7, Redwood Shores, CA 94065

and which, together with its successors, assigns, and legal representatives, is hereinafter referred to as ASSIGNEE, is desirous of acquiring the entire right, title and 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, continuation-in-part, divisional, reexamination, 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.

1

Oracle Matter No. OID-2003-201-01 PA/52160074.1/2021039-7039012001

I, 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 in accordance with the terms of this instrument.

I, SAID, ASSIGNOR(S), hereby covenant with ASSIGNEE 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 I, SAID ASSIGNOR(S) hereby further covenant and agree that the ASSIGNEE 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 communicate to the ASSIGNEE 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 and that if reissues or reexaminations of the said Letters Patent or disclaimers relating thereto, or divisionals, continuations, continuation-in-parts of the said applications shall hereafter be desired by the ASSIGNEE, I will, at any time, when called upon to do so by the ASSIGNEE sign all lawful papers, make all rightful oaths, execute and deliver all such disclaimers and all divisional, continuation, continuation-in-part, reexamination, and reissue applications so desired, and do all lawful acts requisite for the application for such continuations, continuation-in-parts, divisionals, reexaminations, or reissues and the procuring thereof and for the filing of such disclaimers and such applications, and generally do everything possible to aid the ASSIGNEE 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.

Inventor(s): Please Sign and Date Below:

Presell John Green

(1)

Date:

Oracle Matter No. OID-2003-201-01
PN52160074,1/2021039-7039012001

(2) Subhransu Basu

Date: 5/10/05

Oracle Matter No. OID-2003-201-01 PA/52160074.1/2021039-7039012001

3 BEST AVAILABLE COPY

(3) Shrikanth Shankar

Date: 5/10/05

Oracle Matter No. OID-2003-201-01 PA/52160074.1/2021039-7039012001

4

**BEST AVAILABLE COPY** 

 $\frac{k \ln m}{k \ln n}$ 

Date: 05/10/05

Oracle Matter No. OID-2003-201-01 PA/52160074.1/2021039-7039012001

. . . . .

5

BEST AVAILABLE COPY

(5) Hochek Hung Date: 05/10/05

Oracle Matter No. OID-2003-201-01 PA/52160074.1/2021039-7039012001

6

BEST AVAILABLE COPY