10/18/2016 504055977

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2

EPAS ID: PAT4102643

| SUBMISSION TYPE: | CORRECTIVE ASSIGNMENT |
|------------------|---|
| | Corrective Assignment to correct the TITLE previously recorded on Reel 039937 Frame 0001. Assignor(s) hereby confirms the ASSIGNMENT. |

CONVEYING PARTY DATA

| Name | Execution Date |
|----------------|----------------|
| SIRISH V. VEPA | 09/03/2014 |
| HARI SASTRY | 09/10/2014 |
| ALAN CAO | 09/04/2014 |
| CYNTHIA DING | 09/04/2014 |

RECEIVING PARTY DATA

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| City: | REDWOOD SHORES | | | |
| State/Country: | CALIFORNIA | | | |
| Postal Code: | 94065 | | | |

PROPERTY NUMBERS Total: 1

| Property Type | Number |
|---------------------|----------|
| Application Number: | 15278902 |

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| ATTORNEY DOCKET NUMBER: | 088325-1022116 (144110US) | |
|-------------------------|---------------------------|--|
| NAME OF SUBMITTER: | DAN M. DUVAL | |
| SIGNATURE: | /Dan M. Duval/ | |
| DATE SIGNED: | 10/18/2016 | |

Total Attachments: 8

PATENT REEL: 040544 FRAME: 0030

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UNITED STATES PATENT AND TRADEMARK OFFICE

UNDER SECRETARY OF COMMERCE FOR INTELLECTUAL PROPERTY AND DIRECTOR OF THE UNITED STATES PATENT AND TRADEMARK OFFICE

OCTOBER 5, 2016

PTAS

KILPATRICK TOWNSEND & STOCKTON LLP/ORACL TWO EMBARCADERO CENTER SUITE 1900 SAN FRANCISCO, CA 94111 504036145

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

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RECORDATION DATE: 10/04/2016 REEL/FRAME: 039937/0001

NUMBER OF PAGES: 7

BRIEF: ASSIGNMENT OF ASSIGNORS INTEREST (SEE DOCUMENT FOR DETAILS).

DOCKET NUMBER: 088325-1022116 (144110US)

ASSIGNOR:

VEPA, SIRISH V. DOC DATE: 09/03/2014

ASSIGNOR:

SASTRY, HARI DOC DATE: 09/10/2014

ASSIGNOR:

CAO, ALAN DOC DATE: 09/04/2014

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DING, CYNTHIA DOC DATE: 09/04/2014

ASSIGNEE:

ORACLE INTERNATIONAL CORPORATION 500 ORACLE PARKWAY MAIL STOP 50P7 REDWOOD SHORES, CALIFORNIA 94065

 APPLICATION NUMBER: 15278902 FILING DATE: PATENT NUMBER: ISSUE DATE:

TITLE: PATENT APPLICATION AUTHORIZATION POLICY OBJECTS SHARABLE ACROSS

APPLICATIONS, PERSISTENCE MODEL, AND APPLICATION-LEVEL

DECISION-COMBINING ALGORITHM

ASSIGNMENT RECORDATION BRANCH PUBLIC RECORDS DIVISION

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT4082807

| SUBMISSION TYPE: | NEW ASSIGNMENT |
|-----------------------|----------------|
| NATURE OF CONVEYANCE: | ASSIGNMENT |

CONVEYING PARTY DATA

| Name | Execution Date |
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| SIRISH V. VEPA | 09/03/2014 |
| HARI SASTRY | 09/10/2014 |
| ALAN CAO | 09/04/2014 |
| CYNTHIA DING | 09/04/2014 |

RECEIVING PARTY DATA

| Name: | ORACLE INTERNATIONAL CORPORATION |
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| State/Country: | CALIFORNIA |
| Postal Code: | 94065 |

PROPERTY NUMBERS Total: 1

| Property Type | Number | | | |
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| Application Number: | 15278902 | | | |

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| NAME OF SUBMITTER: | DAN M. DUVAL | | |
| SIGNATURE: | /Dan M. Duval/ | | |
| DATE SIGNED: | 10/04/2016 | | |

Total Attachments: 5

Attorney Docket No. 88325-892230(144100US)

U.S. Application No.: <u>14/484,050</u>

ASSIGNMENT OF APPLICATION FOR PATENT

| W | 1 | IE | D | F | Δ | C | , |
|----|----|----|----|---|---|----|---|
| YY | ı. | ட | ٠. | | | w. | |

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(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:

AUTHORIZATION POLICY OBJECTS SHARABLE ACROSS APPLICATIONS, PERSISTENCE MODEL, AND APPLICATION-LEVEL DECISION-COMBINING ALGORITHM

| | for which application for Letters Patent of the United States has been executed on |
|-------------|--|
| \boxtimes | for which application for Letters Patent of the United States has been filed on September 11, 2014, under Application No. 14/484,050, 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 Oracle Matter No.

Attorney Docket No. 88325-892230(144100US) U.S. Application No.: 14/484,050

O.B. Application 100. 119/104/05

which the same may be granted.

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 eaths, 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.

ASSIGNOR hereby authorizes and requests the prosecuting law firm to insert herein above the application number and filing date of said application when known.

Inventor(s): Please Sign and Date Below:

(1) New Vlid Sirish V. Vopa

Date: Sept-4, 2014

Oracle Matter No. ORA140283-US-NP

Attorney Docket No. 88325-892230(144100US) U.S. Application No.: 14/484,050

(2) H.U.N. Sastry Date: 09/10/2014

Oracle Matter No. ORA140283-US-NP

Attorney Docket No. 88325-892230(144100US) U.S. Application No.: 14/484,050

(3) Date: 9/4/2014

Alan Cao

Oracle Matter No. ORA140283-US-NP

Attorney Docket No. 88325-892230(144100US)
U.S. Application No.: 14/484,050

| (4) | | Date: | 9/04/2014 |
|-----|--------------|-----------|-----------|
| | Cynthia Ding | | · |

Oracle Matter No. ORA140283-US-NP