503608690 12/11/2015

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT3655321

| SUBMISSION TYPE: | CORRECTIVE ASSIGNMENT |
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| NATURE OF CONVEYANCE: | Corrective Assignment to correct the ASSIGNMENT COVER SHEET previously recorded on Reel 037194 Frame 0596. Assignor(s) hereby confirms the INDICATION OF CHRISTOPHER KASSO AS AN ASSIGNOR ON THE ASSIGNMENT COVER SHEET. |

CONVEYING PARTY DATA

| Name | Execution Date |
|--------------------------|----------------|
| NAZRUL ISLAM | 09/23/2015 |
| JACOB LINDHOLM | 09/29/2015 |
| JOSH DORR | 09/24/2015 |
| CHRISTOPHER KASSO | 09/24/2015 |
| YAMINI K BALASUBRAMANYAM | 09/28/2015 |
| STEVEN LIU | 09/24/2015 |
| RAJIV MORDANI | 09/24/2015 |
| ABHIJIT KUMAR | 09/23/2015 |

RECEIVING PARTY DATA

| Name: | ORACLE INTERNATIONAL CORPORATION |
|-------------------|----------------------------------|
| Street Address: | 500 ORACLE PARKWAY |
| Internal Address: | M/S 5OP7 |
| City: | REDWOOD SHORES |
| State/Country: | CALIFORNIA |
| Postal Code: | 94065 |

PROPERTY NUMBERS Total: 1

| Property Type | Number |
|---------------------|----------|
| Application Number: | 14864695 |

CORRESPONDENCE DATA

Fax Number: (415)617-2409

Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent

using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.

Phone: 4156172400

Email: officeactions@tuckerellis.com

Correspondent Name: TUCKER ELLIS LLP
Address Line 1: ONE MARKET PLAZA

Address Line 2: STEUART TOWER, SUITE 700

Address Line 4: SAN FRANCISCO, CALIFORNIA 94105

PATENT REEL: 037274 FRAME: 0058

503608690

| ATTORNEY DOCKET NUMBER: | ORACL-05544US1 | |
|---|---------------------|--|
| NAME OF SUBMITTER: | KARL KENNA | |
| SIGNATURE: | /Karl Kenna/ | |
| DATE SIGNED: | 12/11/2015 | |
| Total Attachments: 17 | | |
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ASSIGNMENT OF APPLICATION FOR PATENT

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| | Nazrul Islam, a resident of Santa Clara, California, USA ; | |
| | Jacob Lindholm, a resident of Londonderry, New Hampshire, USA; | |
| | Josh Dorr, a resident of San Jose, California, USA ; | |
| | Christopher Kasso, a resident of Los Altos, California, USA; | |
| | Yamini K Balasubramanyam, a resident of Bangalore, India ; | |
| | Steven Liu, a resident of Beijing, China ; | |
| | Rajiv Mordani, a resident of Sunnyvale, California, USA ; and | |
| | Abhijit Kumar, a resident of Cupertino, California, USA ; | |
| | (full name(s) and city and state of residence of inventor(s) (including country)) | |
| | SYSTEM AND METHOD FOR SUPPORTING PATCHING IN A MULTITENANT APPLICATION SERVER ENVIRONMENT | |
| Ш | for which application for Letters Patent of the United States has been executed on | , |
| \boxtimes | for which an application for Letters Patent of the United States has been filed on September 24, 2015, under Application No. 14/864,695, claiming priority to U.S. Provisional Application No. 62/054,903, filed September 24, 2014. | · |
| WHE | CREAS: Oracle International Corporation, a corporation of California, having a business address of 500 Oracle Parkway, Mail Stop 5OP7, Redwood Shores, CA 94065 | } |
| to as | which, together with its successors, assigns, and legal representatives, is hereinafter referre ASSIGNEE, is desirous of acquiring the entire right, title and interest in, to and under said ation and in, to and under Letters Patent or similar legal protection to be obtained therefor | 1 |

NOW, THEREFORE, TO ALL WHOM IT MAY CONCERN:

the United States and in any and all foreign countries.

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

Oracle Matter No. ORA140771-US-NP 10-1-03

- 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.

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) | Nazrul Islam | Date: <u>Sep 23, 2015</u> | | |
|-----|-------------------------------|---------------------------|---|---------|
| (2) | Jacob Lindholm | Date: | | |
| | le Matter No. 140771-US-NP | . , | : | 10-1-03 |

| | Date: | |
|--------------------------|-------|---|
| Josh Dorr | | |
| Christopher Kasso | Date: | |
| | Date: | |
| Yamini K Balasubramanyam | | |
| Steven Liu | Date: | |
| | Date: | |
| Rajiv Mordani | | |
| Abhijit Kumar | Date: | - |

ASSIGNMENT OF APPLICATION FOR PATENT

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| | Nazrul Islam, a resident of Santa Clara, California, USA | <u>.</u> |
|-------------|--|------------------|
| | Jacob Lindholm, a resident of Londonderry, New Hampshire, USA | • |
| | Josh Dorr, a resident of San Jose, California, USA | |
| | Christopher Kasso, a resident of Los Altos, California, USA | |
| | Yamini K Balasubramanyam, a resident of Bangalore, India | ; |
| | Steven Liu, a resident of Beijing, China | |
| | Rajiv Mordani, a resident of Sunnyvale, California, USA | ; and |
| | Abhijit Kumar, a resident of Cupertino, California, USA | ; |
| | (full name(s) and city and state of residence of inventor(s) (including co | untry)) |
| (here | sinafter referred to as ASSIGNOR(S)), has made a discovery and/or invention SYSTEM AND METHOD FOR SUPPORTING PATCHING I MULTITENANT APPLICATION SERVER ENVIRONMENT | IN A |
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| NOW | V. THEREFORE, TO ALL WHOM IT MAY CONCERN: | |

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Inventor(s): Please Sign and Date Below:

| (1) | Date: | |
|--------------------|---------------------|---------|
| Nazrul Islam // | | |
| (2) Jacob Lingfolm | Date: Sept 29, 2015 | |
| Oracle Matter No. | | 10-1-03 |
| OR A 140771_US_NP | ? . | |

| Josh Dorr | Date: |
|--------------------------|-------|
| Christopher Kasso | Date: |
| Yamini K Balasubramanyam | Date: |
| Steven Liu | Date: |
| Rajiv Mordani | Date: |
| Abhijit Kumar | Date: |

ASSIGNMENT OF APPLICATION FOR PATENT

| W. | HE | REA | AS: |
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| | Nazrul Islam, a resident of Santa Clara, California, USA | <u>;</u> |
|--------|--|--|
| | Jacob Lindholm, a resident of Londonderry, New Hampshire, USA | <u>;</u> |
| | Josh Dorr, a resident of San Jose, California, USA | • |
| | Christopher Kasso, a resident of Los Altos, California, USA | |
| | Yamini K Balasubramanyam, a resident of Bangalore, India | ; |
| | Steven Liu, a resident of Beijing, China | • |
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| | Abhijit Kumar, a resident of Cupertino, California, USA | |
| | (full name(s) and city and state of residence of inventor(s) (including co | untry)) |
| (Heren | nafter referred to as ASSIGNOR(S)), has made a discovery and/or invention SYSTEM AND METHOD FOR SUPPORTING PATCHING I MULTITENANT APPLICATION SERVER ENVIRONMENT OUTPOINT APPLICATION SERVER ENVIRONME | IN A |
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| WHEF | REAS: | |
| | Oracle International Corporation, a corporation of California, having a bound of 500 Oracle Parkway, Mail Stop 5OP7, Redwood Shores, CA 94065 | ousiness address |
| and wh | hich, together with its successors, assigns, and legal representatives, is headSSIGNEE, is desirous of acquiring the entire right, title and interest in, to | reinafter referred o and under said |

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Inventor(s): Please Sign and Date Below:

| (1) | Nazrul Islam | Date: | |
|------|----------------|-------|---------|
| (2) | Jacob Lindholm | Date: | • |
| Orac | le Matter No. | | 10 1 02 |
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| (3) | Josh Dorr | Date: 9/24/15 |
| (4) | Christopher Kasso | Date: 9/24/15 |
| (5) | Yamini K Balasubramanyam | Date: |
| (6) | Steven Liu | Date: |
| (7) | Rajiv Mordani | Date: 9/24/15 |
| (8) | Abhijit Kumar | Date: 9/23/15 |

Oracle Matter No. ORA140771-US-NP

ASSIGNMENT OF APPLICATION FOR PATENT

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| | Nazrul Islam, a resident of Santa Clara, California, USA | • |
|-------------|---|---------------|
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| | (full name(s) and city and state of residence of inventor(s) (including count | rry)) |
| (here | einafter referred to as ASSIGNOR(S)), has made a discovery and/or invention | entitled: |
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| (1) | | Date: | |
|------|----------------|-------|---------|
| | Nazrul Islam | | |
| (2) | | Date: | |
| ` , | Jacob Lindholm | | |
| Orac | le Matter No. | | 10-1-03 |
| OR A | 140771_US_NP | • | |

| | Date: |
|--------------------------|--------------------|
| Josh Dorr | |
| Christopher Kasso | Date: |
| • | |
| Yanin le B | Date: 28-SEPT-2015 |
| Yamini K Balasubramanyam | · · |
| | Date: |
| Steven Liu | |
| | Date: |
| Rajiv Mordani | |
| | |
| Abhijit Kumar | Date: |

Oracle Matter No. ORA140771-US-NP

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ASSIGNMENT OF APPLICATION FOR PATENT

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| | Nazrul Islam, a resident of Santa Clara, California, USA | |
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|------|----------------|-------------|---------|
| ` / | Nazrul Islam | | |
| (2) | | Date: | |
| (4) | Jacob Lindholm | Date. | • • |
| Orac | ele Matter No. | | 10-1-03 |
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| | Date: | |
|--------------------------|-------------|----------|
| Josh Dorr | | |
| | Date: | |
| Christopher Kasso | | |
| | Date: | |
| Yamini K Balasubramanyam | | |
| Steven Liv | Date: 2015- | 9-7 |
| Steven Liu | Date: 2 | <u> </u> |
| | | |
| Dalla Mandaul | Date: | |
| Rajiv Mordani | | |
| | Date: | |
| Abhijit Kumar | Dato | |

Oracle Matter No. ORA140771-US-NP