504053470 10/17/2016

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
STEPHEN MATHEW	10/12/2016
RAMYA SUBRAMANYA	10/12/2016
AARATHI BALAKRISHNAN	10/12/2016
VIPIN ANAPARAKKAL KOOTTAYI	10/12/2016
MADHU MARTIN	10/12/2016

RECEIVING PARTY DATA

Name:	ORACLE INTERNATIONAL CORPORATION	
Street Address:	500 ORACLE PARKWAY	
Internal Address:	MAIL STOP 50P7	
City:	REDWOOD SHORES	
State/Country:	CALIFORNIA	
Postal Code:	94065	

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	15294381

CORRESPONDENCE DATA

Fax Number: (415)576-0300

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: 415-576-0200

Email: jgordon@kilpatricktownsend.com

Correspondent Name: KILPATRICK TOWNSEND & STOCKTON LLP

Address Line 1: TWO EMBARCADERO CENTER

Address Line 2: SUITE 1900

Address Line 4: SAN FRANCISCO, CALIFORNIA 94111

ATTORNEY DOCKET NUMBER: 088325-0968817(170400US)	
NAME OF SUBMITTER:	JOAN GORDON
SIGNATURE:	/JOAN GORDON/
DATE SIGNED:	10/17/2016

PATENT 504053470 REEL: 040033 FRAME: 0506

Total Attachments: 7 source=Assignment#page1.tif source=Assignment#page2.tif source=Assignment#page3.tif source=Assignment#page4.tif source=Assignment#page5.tif source=Assignment#page6.tif source=Assignment#page7.tif

PATENT REEL: 040033 FRAME: 0507 Attorney Docket No.: 088325-0968817(170400US)

U.S. Application No.: <u>15/294,381</u>

ASSIGNMENT OF APPLICATION FOR PATENT

WHEREAS:

Stephen Mathew, a citizen of India, residing at #201, A Block, Chethana Maple, Hadosiddapura Village, Carmelaram Post, Sarjapur Road, Bangalore, Karnataka, 560035 India

Ramya Subramanya, a citizen of India, residing at #S-55, Kirloskar Colony 3rd Stage, Basaveshwaranagar Bangalore, Karnataka, 560079 India

Aarathi Balakrishnan, citizen of India, residing at PJ-304, Purva Panorama, Bannerghatta Road, Bangalore, Karnataka, 560076 India

Vipin Anaparakkal Koottayi, a citizen of India, residing at Sangeeth, Main Road Trikarpur, Kerala, 671310 India

Madhu Martin, citizen of India, residing at Y1 101, Greenwood Regency, Kaikondanahalli, Bangalore, Karnataka, 560035 India

(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:

"TECHNIQUES FOR AUTHENTICATION LEVEL STEP-DOWN,"

	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 October 14, 2016 , under Application No. 15/294,381 , 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.

Oracle Matter No. ORA151015-US-NP

Attorney Docket No.: 088325-0968817(170400US)

U.S. Application No.: <u>15/294,381</u>

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.

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(S) hereby authorize and request the prosecuting law firm to insert herein above the application number and filing date of said application when known.

	Attorney Docket No.: 088325-0968817(170400US) U.S. Application No.: 15/294,381
Inventors: Please Sign and Date Below:	
(1) Stephen Mathew	Date: 10/12/2016

Oracle Matter No. ORA151015-US-NP

	Attorney Docket No.: 088325-0968817(170400US) U.S. Application No.: 15/294,381	
(2) Ramya Subramanya	Date: 10/12/2016	

Oraçle Matter No. ORA151015-US-NP

Attorney Docket No.: 088325-0968817(170400US)
U.S. Application No.: 15/294,381

(3) Aarathi Balakrishnan

Date: 10/2/2016

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		U.S. Application No.: 15/294,381
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(4)	Vinin Angrapsital Koottavi	Date: 10 12 2016

Attorney Docket No.: 088325-0968817(170400US)

Oraçle Matter No. ORA151015-US-NP

Attorney Docket No.:	0883	25-0968817(170400US)
U.S. Application		15/294,381

(5) Date: 10/12/2016

Oracle Matter No. ORA151015-US-NP

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