503008430 10/07/2014 PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT3055030

SUBMISSION TYPE:		NEW ASSIGNM	ENT			
NATURE OF CONVEYANCE:		ASSIGNMENT				
		I				
CONVEYING PARTY D		Name		Execution Date		
YIFAN YANGGONG		name		09/23/2014		
SEBASTIAN TURULLO			09/25/2014			
CHANGKU HWANG	1.5	09/23/2014				
DANIEL S. WOO				09/24/2014		
DANIEL 5. WOO				09/24/2014		
RECEIVING PARTY D	ΑΤΑ					
Name:	ORAC	ORACLE INTERNATIONAL CORPORATION				
Street Address:	500 OF	500 ORACLE PARKWAY				
City:	REDW	REDWOOD CITY				
State/Country:	CALIF	CALIFORNIA				
Postal Code:	94065					
PROPERTY NUMBER	S Total: 1					
Property Type		Numbe	r	7		
		14498744	8744			
CORRESPONDENCE	DATA					
Fax Number:		(530)759-1665	759-1665			
				nsuccessful, it will be sent		
		530-759-1661	nat is unsuccessful, it will be sent via US Mail. 759-1661			
		jeannie@parklegal.com				
Correspondent Name:	ł	A. RICHARD PARK	CHARD PARK			
Address Line 1: PARK, VAUGHAN, FLEMING & DOWLER LLP				LER LLP		
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ATTORNEY DOCKET NUMBER:		ORA14-0523	ORA14-0523			
NAME OF SUBMITTER:		A. RICHARD PA	A. RICHARD PARK			
SIGNATURE:		/A. Richard Park/	/A. Richard Park/			
DATE SIGNED:		10/07/2014	10/07/2014			
Total Attachments: 4						
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PATENT REEL: 033901 FRAME: 0828

CORPORATE ASSIGNMENT

WHEREAS, the undersigned,

Yifan YangGong Sebastian Turullols Changku Hwang Daniel S. Woo 889 Carino Terrace, Milpitas, CA 95035 1868 Robles Ranch Road, Los Altos, CA 94024 17480 Hoot Owl Way, Morgan Hill, CA 95037 1617 Anza Street, San Francisco, CA 94118

hereinafter termed "Inventor(s)", have invented certain new and useful improvements in

AFLL WITH INCREASED TIMING MARGIN

and have executed a declaration or oath for an application for a United States patent disclosing and identifying the invention:

____ On the _____ day of ______, 20___;

Or

X Said application having Application Number $\frac{14/498,744}{14/498,744}$ and filed on $\frac{9/26/2014}{14/498,744}$; and

WHEREAS, <u>Oracle International Corporation</u>, a corporation of the State of <u>California</u>, having a place of business at <u>500 Oracle Parkway</u>, <u>Mail Stop 50P7</u>, <u>Redwood City</u>, <u>CA 94065</u>, (hereinafter termed "Assignee"), is desirous of acquiring the entire right, title and interest in and to said application and the invention disclosed therein, and in and to all embodiments of the invention, heretofore conceived, made or discovered jointly or severally by said Inventor(s) (all collectively hereinafter termed "said invention"), and in and to any and all patents, inventor's certificates and other forms of protection (hereinafter termed "patents") thereon granted in the United States and foreign countries.

NOW, THEREFORE, in consideration of good and valuable consideration acknowledged by said Inventor(s) to have been received in full from said Assignee:

1. Said Inventor(s) do hereby sell, assign, transfer and convey unto said Assignee the entire right, title and interest (a) in and to said application and said invention; (b) in and to all rights to apply for foreign patents on said invention pursuant to the International Convention for the Protection of Industrial Property or otherwise; (c) in and to any and all applications filed and any and all patents granted on said invention in the United States or any foreign country, including each and every application filed and each and every patent granted on any application which is a divisional, substitution, continuation, or continuation-in-part of any of said applications; and (d) in and to each and every reissue or extensions of any of said patents.

2. Said Inventor(s) hereby covenant and agree to cooperate with said Assignee to enable said Assignee to enjoy to the fullest extent the right, title and interest herein conveyed in the United States and foreign countries. Such cooperation by said Inventor(s) shall include prompt production of pertinent facts and documents, giving of testimony, execution of petitions, oaths, specifications, declarations or other papers, and other assistance all to the extent deemed necessary or desirable by said Assignee (a) for perfecting in said Assignee the right, title and interest herein conveyed; (b) for prosecuting any of said applications; (c) for filing and prosecuting substitute, divisional, continuing or additional applications covering said invention; (d) for filing and prosecuting applications for reissuance of any said patents; (e) for interference or other priority proceedings involving said invention; and (f) for legal proceedings

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involving said invention and any applications therefor and any patents granted thereon, including without limitation reissues and reexaminations, opposition proceedings, cancellation proceedings, priority contests, public use proceedings, infringement actions and court actions; provided, however, that the expense incurred by said Inventor(s) in providing such cooperation shall be paid for by said Assignee.

3. The terms and covenants of this assignment shall inure to the benefit of said Assignee, its successors, assigns and other legal representatives, and shall be binding upon said Inventor(s), their s_{ij} respective heirs, legal representatives and assigns.

4. Said Inventor(s) hereby warrant and represent that they have not entered and will not enter into any assignment, contract, or understanding in conflict herewith.

IN WITNESS WHEREOF, said (nventor(s) have executed and delivered this instrument to said Assignee as of the dates written below.

m	~1	09/23/2014
Yifan YangGong	C	Date
Sebastian Turullots		Date
all Bo	P	09/24/2014
Changku Hwang	\mathbf{V}	Date
Davil Wh	No.	9/24/2014

Daniel S. Woo

Date

Attorney Docket No. ORA14-0523

Attorney Docket No. ORA14-0523

CORPORATE ASSIGNMENT

WHEREAS, the undersigned,

Yifan YangGong Sebastian Turullols Changku Hwang Daniel S. Woo 889 Carino Terrace, Milpitas, CA 95035
1868 Robles Ranch Road, Los Altos, CA 94024
17480 Hoot Owl Way, Morgan Hill, CA 95037
1617 Anza Street, San Francisco, CA 94118

hereinafter termed "Inventor(s)", have invented certain new and useful improvements in

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_____ On the _____ day of ______, 20____;

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X Said application having Application Number <u>14/498,744</u> and filed on <u>09/26/2014</u>; and

WHEREAS, <u>Oracle International Corporation</u>, a corporation of the State of <u>California</u>, having a place of business at <u>500 Oracle Parkway</u>, <u>Mail Stop 50P7</u>, <u>Redwood City</u>, <u>CA 94065</u>, (hereinafter termed "Assignee"), is desirous of acquiring the entire right, title and interest in and to said application and the invention disclosed therein, and in and to all embodiments of the invention, heretofore conceived, made or discovered jointly or severally by said Inventor(s) (all collectively hereinafter termed "said invention"), and in and to any and all patents, inventor's certificates and other forms of protection (hereinafter termed "patents") thereon granted in the United States and foreign countries.

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2. Said Inventor(s) hereby covenant and agree to cooperate with said Assignee to enable said Assignee to enjoy to the fullest extent the right, title and interest herein conveyed in the United States and foreign countries. Such cooperation by said Inventor(s) shall include prompt production of pertinent facts and documents, giving of testimony, execution of petitions, oaths, specifications, declarations or other papers, and other assistance all to the extent deemed necessary or desirable by said Assignee (a) for perfecting in said Assignee the right, title and interest herein conveyed; (b) for prosecuting any of said applications; (c) for filing and prosecuting substitute, divisional, continuing or additional applications covering said invention; (d) for filing and prosecuting applications for reissuance of any said patents; (e) for interference or other priority proceedings involving said invention; and (f) for legal proceedings

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Attorney Docket No. ORA14-0523

involving said invention and any applications therefor and any patents granted thereon, including without limitation reissues and reexaminations, opposition proceedings, cancellation proceedings, priority contests, public use proceedings, infringement actions and court actions; provided, however, that the expense incurred by said Inventor(s) in providing such cooperation shall be paid for by said Assignee.

3. The terms and covenants of this assignment shall inure to the benefit of said Assignee, its successors, assigns and other legal representatives, and shall be binding upon said Inventor(s), their respective heirs, legal representatives and assigns.

4. Said Inventor(s) hereby warrant and represent that they have not entered and will not enter into any assignment, contract, or understanding in conflict herewith.

IN WITNESS WHEREOF, said Inventor(s) have executed and delivered this instrument to said Assignee as of the dates written below.

Yifan YangGong Mu

Sebastian Turullols

Date

25/2014

Date

Changku Hwang

Daniel S. Woo

Date

Date

Attorney Docket No. ORA14-0523

PATENT REEL: 033901 FRAME: 0832

RECORDED: 10/07/2014