501778210 01/06/2012

PATENT ASSIGNMENT

Electronic Version v1.1 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date	
lan W. Jones	11/28/2011	
Suwen Yang	11/28/2011	
Mark R. Greenstreet	11/28/2011	
Hetal N. Gaywala	11/22/2011	
Robert J. Drost	12/05/2011	

RECEIVING PARTY DATA

Name:	Oracle International Corporation	
Street Address:	500 Oracle Parkway	
Internal Address:	Mail Stop 5OP7	
City:	Redwood City	
State/Country:	CALIFORNIA	
Postal Code:	94065	

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	13306828

CORRESPONDENCE DATA

Fax Number:(530)759-1665Phone:530-759-1661

Email: joanne@parklegal.com

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

via US Mail.

Correspondent Name: A. Richard Park

Address Line 1: Park, Vaughan, Fleming & Dowler LLP

Address Line 2: 2820 Fifth Street

Address Line 4: Davis, CALIFORNIA 95618

ATTORNEY DOCKET NUMBER: ORA12-0095

PATENT REEL: 027492 FRAME: 0775 DP \$40.00 13306828

501778210

NAME OF SUBMITTER:	A. Richard Park, Reg. No. 41,241
Total Attachments: 10 source=ORA12-0095_Assignment#page1.tir source=ORA12-0095_Assignment#page2.tir source=ORA12-0095_Assignment#page3.tir source=ORA12-0095_Assignment#page4.tir source=ORA12-0095_Assignment#page5.tir source=ORA12-0095_Assignment#page6.tir source=ORA12-0095_Assignment#page7.tir	f f f
source=ORA12-0095_Assignment#page8.ti source=ORA12-0095_Assignment#page9.ti source=ORA12-0095_Assignment#page10.	f

PATENT REEL: 027492 FRAME: 0776

WHEREAS, the undersigned,

•
, Palo Alto, CA 94306
Crescent, Apt. 5407, Vancouver, BC Canada V6T 2G9
et, Vancouver, BC Canada V6N1V9
ne, Mountain View, CA 94041
, Los Altos, CA 94024
and useful improvements in

SYNCHRONIZER LATCH CIRCUIT THAT FACILITATES RESOLVING METASTABILITY

and hav	ve executed a declaration or oath for an application for a United States patent disclosing and identifying the on:
_	On the day of
	Or
<u>X</u>	Said application having Application Number 13/306,828 and filed on 29 November 2011; and

WHEREAS, Oracle International Corporation, a corporation of the State of California, having a place of business at 500 Oracle Parkway, Mail Stop 5OP7, Redwood City, CA 94065, (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

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patents; (e) for interference or other priority proceedings involving said invention; and (f) for legal proceedings 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.

Helfones	28 Nov 2011	_
Ian W. Jones	Date	
Suwen Yang	Date	-
		-
Mark R. Greenstreet	Date	
Hetal N. Gaywala	Date	,
Robert J. Drost	Date	

WHEREAS, the undersigned,

Ian W. Jones	311 Edlee Avenue, Palo Alto, CA 94306
Suwen Yang	6335 Thunderbird Crescent, Apt. 5407, Vancouver, BC Canada V6T 2G9
Mark R. Greenstreet	5292 Dunbar Street, Vancouver, BC Canada V6N1V9
Hetal N. Gaywala	241 Heartwood Lane, Mountain View, CA 94041
Robert J. Drost	2211 Via Maderos, Los Altos, CA 94024

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

foreign countries.

SYNCHRONIZER LATCH CIRCUIT THAT FACILITATES RESOLVING METASTABILITY

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

inventio	on:
	On the day of
	Or
<u>X</u>	Said application having Application Number 13/306,828 and filed on 29 November 2011; and
	WHEREAS, Oracle International Corporation, a corporation of the State of California, having a place of
busines	s at 500 Oracle Parkway, Mail Stop 5OP7, Redwood City, CA 94065, (hereinafter termed "Assignee"), is
desirous	s of acquiring the entire right, title and interest in and to said application and the invention disclosed therein,
and in a	and to all embodiments of the invention, heretofore conceived, made or discovered jointly or severally by said
Invento	r(s) (all collectively hereinafter termed "said invention"), and in and to any and all patents, inventor's
certifica	ates and other forms of protection (hereinafter termed "patents") thereon granted in the United States and

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

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patents; (e) for interference or other priority proceedings involving said invention; and (f) for legal proceedings 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.

Ian W. Jones	Date
1st	Nov 28, 20/
Suwen Yang	Date
Mark R. Greenstreet	Date
al N. Gaywala	Date

Robert J. Drost

Date

WHEREAS, the undersigned,

Ian W. Jones 311 Edlee Avenue, Palo Alto, CA 94306

Suwen Yang 6335 Thunderbird Crescent, Apt. 5407, Vancouver, BC Canada V6T 2G9

Mark R. Greenstreet 5292 Dunbar Street, Vancouver, BC Canada V6N1V9
Hetal N. Gaywala 241 Heartwood Lane, Mountain View, CA 94041
Robert J. Drost 2211 Via Maderos, Los Altos, CA 94024

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

SYNCHRONIZER LATCH CIRCUIT THAT FACILITATES RESOLVING METASTABILITY

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	13/306,828	and filed on	29 November 2011	; 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 5OP7</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

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PATENT REEL: 027492 FRAME: 0781

Robert J. Drost

Attorney Docket No. ORA12-0095

patents; (e) for interference or other priority proceedings involving said invention; and (f) for legal proceedings 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

Ian W. Jones Date

Suwen Yang Date

Mark R. Greenstreet Date

Hetal N. Gaywala Date

Date

WHEREAS, the undersigned,

311 Edlee Avenue, Palo Alto, CA 94306

Ian W. Jones

Suwen Yang	6335 Thunderbird Crescent, Apt. 5407, Vancouver, BC Canada V6T 2G9
Mark R. Greenstreet	5292 Dunbar Street, Vancouver, BC Canada V6N1V9
Hetal N. Gaywala	241 Heartwood Lane, Mountain View, CA 94041
Robert J. Drost	2211 Via Maderos, Los Altos, CA 94024
hereinafter termed "Inventor(s)", have	ve invented certain new and useful improvements in
SYNCHRONIZE	ER LATCH CIRCUIT THAT FACILITATES RESOLVING METASTABILITY
and have executed a declaration or o invention:	ath for an application for a United States patent disclosing and identifying the
On the day of	
Or	
X Said application having App	olication Number 13/306,828 and filed on 29 November 2011; and
business at 500 Oracle Parkway, Madesirous of acquiring the entire right and in and to all embodiments of the Inventor(s) (all collectively hereinaft	cional Corporation, a corporation of the State of California, having a place of California, havi
NOW, THEREFORE, in conto have been received in full from sa	nsideration of good and valuable consideration acknowledged by said Inventor(s) id Assignee:
and interest (a) in and to said application invention pursuant to the Internation any and all applications filed and any country, including each and every applications.	hereby sell, assign, transfer and convey unto said Assignee the entire right, title ation and said invention; (b) in and to all rights to apply for foreign patents on said all Convention for the Protection of Industrial Property or otherwise; (c) in and to y and all patents granted on said invention in the United States or any foreign opplication filed and each and every patent granted on any application which is a y, or continuation-in-part of any of said applications; and (d) in and to each and f said patents.

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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

Said Inventor(s) hereby covenant and agree to cooperate with said Assignee to enable said Assignee to

PATENT REEL: 027492 FRAME: 0783

Attorney Docket No. ORA12-0095

patents; (e) for interference or other priority proceedings involving said invention; and (f) for legal proceedings 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.

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- 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.

Robert J. Drost

Date

WHEREAS, the undersigned,

	Yang . Greenstreet . Gaywala	311 Edlee Avenue, Palo Alto, CA 94306 6335 Thunderbird Crescent, Apt. 5407, Vancouver, BC Canada V6T 2G9 5292 Dunbar Street, Vancouver, BC Canada V6N1V9 241 Heartwood Lane, Mountain View, CA 94041 2211 Via Maderos, Los Altos, CA 94024	
hereinaf	fter termed "Inventor(s)", have i	nvented certain new and useful improvements in	
	SYNCHRONIZER L	ATCH CIRCUIT THAT FACILITATES RESOLVING METASTABILITY	
and have		for an application for a United States patent disclosing and identifying the	
_	On the day of		
	Or		
<u>X</u>	Said application having Application	ation Number 13/306,828 and filed on 29 November 2011; and	d
		al Corporation, a corporation of the State of <u>California</u> , having a place of Stop 5OP7, Redwood City, CA 94065, (hereinafter termed "Assignee"), is	

WHEREAS, Oracle International Corporation, a corporation of the State of California, having a place of business at 500 Oracle Parkway, Mail Stop 5OP7, Redwood City, CA 94065, (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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Attorney Docket No. ORA12-0095

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- 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.

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Date

Robert J. Drost