# PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2

EPAS ID: PAT5751319

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

#### **CONVEYING PARTY DATA**

Name	Execution Date
GRAHAM IVEY	09/30/2019
YUNRUI LI	09/27/2019

## **RECEIVING PARTY DATA**

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

## **PROPERTY NUMBERS Total: 1**

Property Type	Number
Application Number:	16570895

## CORRESPONDENCE DATA

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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.

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SILICON VALLEY PATENT GROUP LLP ATTN: OM **Correspondent Name:** 

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ATTORNEY DOCKET NUMBER:	ORA190375-US-NP
NAME OF SUBMITTER:	OMKAR K. SURYADEVARA
SIGNATURE:	/Omkar K. Suryadevara/
DATE SIGNED:	10/02/2019

## **Total Attachments: 6**

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> **PATENT** REEL: 050607 FRAME: 0920 505704509

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> PATENT REEL: 050607 FRAME: 0921

#### ASSIGNMENT OF APPLICATION FOR PATENT

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	Graham Ivey	of	37 Ravenscroft, Hoc	k, Hampshire, I	RG27 9NP, Uni	ited Kingdom	
	Yunrui Li	of	146 E Portola Ave.,	Los Altos, CA 9	94022, USA		
	(full name(s) an	nd cit	y and state of residen	ce of inventor(s	) (including co	untry))	
(hereir	nafter referred to	as A	SSIGNOR(S)), has n	nade a discovery	y and/or inventi	ion'entitled:	
	Adaptive Synch	nroni	zation For Redo Writ	ing to Persisten	t Memory Stora	age	
	for which applie on	catio	n for Letters Patent o		tes has been ex	ecuted	
$\boxtimes$			n for Letters Patent o tion No. <u>16/570,895</u>		tes has been fil	ed on <u>Sept 13,</u>	-
WHEI	REAS:						
	Oracle Internation of 500 Oracle P	ional Parkw	Corporation, a corpovay, Mail Stop 5OP7,	ration of Califo Redwood Shor	rnia, having a b es, CA 94065	ousiness address	3
	•		successors, assigns,	-			

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 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.

invention and in, to and under Letters Patent or similar legal protection to be obtained therefor in

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

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10-1-03

ORA190375-US-NP

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) Graham Ivan

Date:

to SEPTEMBER 30, 2019

Oracle Matter No. ORA190375-US-NP

10-1-03

Attorney Docket No. ORA190375-US-NP

(2)		Date:	
	Yunrui Li		

Oracle Matter No. ORA190375-US-NP

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PATENT

## ASSIGNMENT OF APPLICATION FOR PATENT

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	Graham Ivey	<u>of</u>	37 Ravenscroft, Hook, Hampshire, RG27 9NP, United Kingdom
	Yunrui Li	of	146 E Portola Ave., Los Altos, CA 94022, USA
	(full name(s) a	and ci	ty and state of residence of inventor(s) (including country))
(herei	nafter referred t	o as A	ASSIGNOR(S)), has made a discovery and/or invention entitled:
	Adaptive Syno	hron	ization For Redo Writing to Persistent Memory Storage
	for which appl	icatio	on for Letters Patent of the United States has been executed
			on for Letters Patent of the United States has been filed on Sept 13, ation No. 16/570,895, and
WHE	REAS:		
			l Corporation, a corporation of California, having a business address way, Mail Stop 50P7, 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 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

Oracle Matter No. 10-1-03

ORA190375-US-NP

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PATENT REEL: 050607 FRAME: 0925 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.

	iraham Iv	C
	Date	
	Date:	
***************************************	Date:	

Oracle Matter No. ORA190375-US-NP

Inventor(s): Please Sign and Date Below:

10-1-03

(2) Yunrui Li

Date: Sept 27, 2019

Oracle Matter No. ORA190375-US-NP

10-1-03