50277-0342

FORM PTO-1596

RECORDATION FORM

ENT OF COMMERCE

1-31-92

101480031

t and Trademark Office

Docket No.: 50277-0342 PATENT	TS (101400031
To the Honorable Commissioner of Patents and Trademarks:	Please record the attached original documents or copy thereto:
1. Name of Conveying Party(ies): $\xi - 3/-00$	2. Name and address of receiving party(ies):
Roger Bamford, William H. Bridge, Jr., David Brower, Neil	Name: Oracle Corporation
MacNaughton, Angelo Pruscino and Tak Fung Wang	Internal Address:
Additional name(s) of conveying party(ies) attached? Yes	
3. Nature of Conveyance:	
	Street Address: 500 Oracle Parkway
☐ Security Agreement ☐ Change of Name	
Other	City: Redwood State/Country CA ZIP: 94065
Execution Date: 7/20/00, 7/25/00, 7/24/00, 7/31/00 & 8/22/00.	Additional name(s) & address(es) attached? Yes
4. Application number(s) or patent number(s): $0.9/(.523)$	384
If the document is being filed together with a new application, the	5 (5 C (5
/	//31/00 & 8/22/00.
A. Patent Application No(s).	B. Patent No(s).
Additional number	ers attached? TYes
5. Name and address of party to whom correspondence concerning	o. Total number of applications and patents involved.
Document should be mailed:	7. Total fee (37 CFR 3.41) \$40.00
Name: HICKMAN PALERMO TRUONG & BECKER LLP	Finched Find Find Find Find Find Find Find Fin
Internal Address:	Authorized to be charged to deposit account
1 (00 W/II . C	
Street Address: 1600 Willow Street	8. Deposit account number:
	150635
City: San Jose State: CA Zip: 95125-51	06
	SE THIS SPACE
DO NOT U	SE THO SI ACE
9. Statement and signature.	
11. 11 of the foregoing in	formation is true and correct and any attached copy is a true copy
To the best of my knowledge and belief, the joregoing in	7. 7.2
of the original document.	
LV Dischom Registration No. 42.327	August 31, 2000
Marcel K. Bingham, Registration No. 42,327	Signature
Name and Registration No. of Person Signing	Total number of pages comprising cover sheet: 7
1/04	
$\frac{1}{2}$ CN No. 0851 0011 (exp. 4/94)	

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REEL: 011123 FRAME: 0132

PATENT

ASSIGNMENT

PATENT

Attorney Docket No.: 50277-0342

OID 1999-122-01

In consideration of good an	d valuable consideration	, the receipt of which is hereby ac	knowledged <u>we</u>
the undersigned, ROGER BAMFO	RD, WILLIAM H. BRID	GE, JR., DAVID BROWER, NE	IL MAC
NAUGHTON, ANGELO PRUSCING	O AND TAK FUNG WA	NG	
hereby sell, assign, and transfer to _	Oracle Corporation		
a corporation of <u>Delaware</u>	having a principal place	of business at <u>500 Oracle Parkv</u>	vay
Redwood Shores, California 94069 and its successors, assigns, and legal all foreign countries, in and to any an patent that	al representatives, the er	, ("Assignee ntire right, title, and interest for the are disclosed in the application fo	United States and
X will be filed	concurrently with this as	signment, or	
was filed or Serial Nur	n, and mber	assigned	
and is entitled <u>"MANAGING REPI</u> OF OTHER NODES"	LACEMENT OF DATA	N A CACHE ON A NODE BAS	ED ON CACHES
and in and to said application and all applications that have been or shall be mprovements; and in and to all originstates and all foreign countries on sausaid United States application;	e filed in the United State nal and reissued patents	es and all foreign countries on any that have been or shall be issued	y of said I in the United
agree that said Assignee maname; and that, when requested, with and legal representatives, to carry out execute all divisional, continuing, sub improvements; execute all assignment assigns, and representatives all facts thereof; and generally assist said Assignationing proper patent protection applications for patents and all patent egal representatives; and	nout charge to, but at the tin good faith the intent a stitute, renewal, reissue, nts and powers of attorne known to the undersigne signee, its successors, a for said improvements at	and all other patent applications ey; communicate to said Assigned ed relating to said improvements ssigns, or representatives in second for vesting title to said improve	ne undersigned will on any and all said e, its successors, and the history uring and ments, and all
covenant with said Assignee grant, mortgage, license, or other agrothers by the undersigned, and that fundersigned.	pement affecting the right	s, and legal representatives that r its and property herein conveyed ne as herein expressed is posses	iras peen made io
Each Inventor: Please Sig	n <u>and Date</u> Below	:	
70 Th 4, 2000 _		2	
	Name: ROGER BAMF	ORD	

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PATENT REEL: 011123 FRAME: 0133

7/25 Date	2000	Name: WILLIAM H. BRIDGE, JR.
7/24 Date	, 2000	Name: DAVID BROWER
 Date	2000	Name: NEIL MAC NAUGHTON
Date	2000	Name: ANGELO PRUSCINO
7/24 Date	2000	Name: JAK FUNG WANG

<u>A S S I G N M E N T</u>

<u>PATENT</u>

Attorney Docket No.: 50277-0342

AU IN

In consideration of good and valuable consideration, the receipt of which is hereby acknowledged, we
the undersigned, ROGER BAMFORD, WILLIAM H. BRIDGE, JR., DAVID BROWER, NEIL MAC
NAUGHTON, ANGELO PRUSCINO AND TAK FUNG WANG
hereby sell, assign, and transfer to Oracle Corporation
a corporation of <u>Delaware</u> , having a principal place of business at <u>500 Oracle Parkway</u> ,
Redwood Shores, California 94065 , ("Assignee"), and its successors, assigns, and legal representatives, the entire right, title, and interest for the United States and all foreign countries, in and to any and all improvements that are disclosed in the application for the United States patent that
X will be filed concurrently with this assignment, or
was filed on , and assigned Serial Number ,
and is entitled "MANAGING REPLACEMENT OF DATA IN A CACHE ON A NODE BASED ON CACHES OF OTHER NODES"
and in and to said application and all divisional, continuing, substitute, renewal, reissue, and all other patent applications that have been or shall be filed in the United States and all foreign countries on any of said improvements; and in and to all original and reissued patents that have been or shall be issued in the United States and all foreign countries on said improvements; and in and to all rights of priority resulting from the filing of said United States application;
agree that said Assignee may apply for and receive a patent or patents for said improvements in its own name; and that, when requested, without charge to, but at the expense of, said Assignee, its successors, assigns, and legal representatives, to carry out in good faith the intent and purpose of this Assignment, the undersigned will execute all divisional, continuing, substitute, renewal, reissue, and all other patent applications on any and all said improvements; execute all assignments and powers of attorney; communicate to said Assignee, its successors, assigns, and representatives all facts known to the undersigned relating to said improvements and the history thereof; and generally assist said Assignee, its successors, assigns, or representatives in securing and maintaining proper patent protection for said improvements and for vesting title to said improvements, and all applications for patents and all patents on said improvements, in said Assignee, its successors, assigns, and legal representatives; and
covenant with said Assignee, its successors, assigns, and legal representatives 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 full right to convey the same as herein expressed is possessed by the undersigned.
Each Inventor: Please Sign and Date Below:
Date Name: ROGER BAMFORD
OID 1999-122-01 1

PATENT REEL: 011123 FRAME: 0135

	. 2000	
Date		Name: WILLIAM H. BRIDGE, JR.
Date	, 2000	Name: DAVID BROWER
JULY 31 Date	, 2000	Name: NEIL MAC NAUGHTON
Date	, 2000	Name: ANGELO PRUSCINO
Date	, 2000	Name: TAK FUNG WANG

ASSIGNMENT

<u>PATENT</u>

Attorney Docket No.: 50277-0342

In consideration of good and valuable consideration, the receipt of which is hereby acknowledged, we
the undersigned, ROGER BAMFORD, WILLIAM H. BRIDGE, JR., DAVID BROWER, NEIL MAC
NAUGHTON, ANGELO PRUSCINO AND TAK FUNG WANG
hereby sell, assign, and transfer to Oracle Corporation
a corporation of <u>Delaware</u> , having a principal place of business at <u>500 Oracle Parkway</u> ,
Redwood Shores, California 94065 , ("Assignee"), and its successors, assigns, and legal representatives, the entire right, title, and interest for the United States and all foreign countries, in and to any and all improvements that are disclosed in the application for the United States patent that
X will be filed concurrently with this assignment, or
was filed on, and assigned Serial Number,
and is entitled <u>"MANAGING REPLACEMENT OF DATA IN A CACHE ON A NODE BASED ON CACHES</u> OF OTHER NODES"
and in and to said application and all divisional, continuing, substitute, renewal, reissue, and all other patent applications that have been or shall be filed in the United States and all foreign countries on any of said improvements; and in and to all original and reissued patents that have been or shall be issued in the United States and all foreign countries on said improvements; and in and to all rights of priority resulting from the filing of said United States application;
agree that said Assignee may apply for and receive a patent or patents for said improvements in its own name; and that, when requested, without charge to, but at the expense of, said Assignee, its successors, assigns, and legal representatives, to carry out in good faith the intent and purpose of this Assignment, the undersigned will execute all divisional, continuing, substitute, renewal, reissue, and all other patent applications on any and all said improvements; execute all assignments and powers of attorney; communicate to said Assignee, its successors, assigns, and representatives all facts known to the undersigned relating to said improvements and the history thereof; and generally assist said Assignee, its successors, assigns, or representatives in securing and maintaining proper patent protection for said improvements and for vesting title to said improvements, and all applications for patents and all patents on said improvements, in said Assignee, its successors, assigns, and legal representatives; and
covenant with said Assignee, its successors, assigns, and legal representatives 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 full right to convey the same as herein expressed is possessed by the undersigned.
Each Inventor: Please Sign and Date Below:
Date Name: ROGER BAMFORD
OID 1999-122-01 1

PATENT REEL: 011123 FRAME: 0137

. 2000	
Date	Name: WILLIAM H. BRIDGE, JR.
, 2000 Date	Name: DAVID BROWER
, 2000 Date	Name: NEIL MAC NAUGHTON
8/2/00, 2000	Mame: ANGELO PRUSCINO
2000	

Name: TAK FUNG WANG

RECORDED: 08/31/2000

Date