Form PTO-1595 (Rev. 05/01) OMB NO. 0651-0027 (exp. 5/31/2002) Tab settings $\Rightarrow\Rightarrow\Rightarrow$ To the Honorable Commissioner of Patents and Trademarks.	IEET U.S. DEPARTMENT OF COMMERCE
1. Name of conveying party(ies) Daniel Abugov Daniel Geringer Siva Ravada Additional name(s) of conveyingparty(ies) attached?	2. Name and address of receiving party(ies) Name ORACLE CORPORATION 500 Oracle Parkway Box 5op7 Redwood Shores, California 94065 Additional Name(s) & address(es) attached?? Yes [x] No
Execution Date: May 16, 2001 4. Application number(s) or patent number(s): If this document is being filed together with a new application, to A. Patent Application No.(s)	B. Patent No.(s)
5. Name and address of party to whom correspondence concerning document should be mailed: Name Edward A. Pennington Internal Address Suite 300 Street Address: 3000 K Street	7. Total Fee (37 CFR 3.41) \$ 40.00 Enclosed [X] Authorized to be charged to deposit account.
	8. Deposit Account Number: 195127, 19111.0037 E THIS SPACE
original document Eric J. Franklin, RN 37,134 Name of Person Signing Signing	gnature and correct and any attached copy is a true copy of the Date Date

Docket No. 19111.0037

ASSIGNMENT OF APPLICATION FOR PATENT

WHEREAS:

Daniel Abugov of 24 Courthouse Road, Amherst, New Hamspshire 03031, USA; Daniel Geringer of 10503 Sunny Brooke Lane, Potomac, Maryland 20854, USA; and Siva Rivada of 18 Lamb Road, Nashua, New Hampshire 03062, USA

(hereinafter referred to as ASSIGNOR(S), has made a discovery or invention entitled:

QUADTREE CENTER TILE/BOUNDARY TILE OPTIMIZATION

\boxtimes	for which application for Letters Patent of the United States has been executed on even date herewith,
	for which application for Letters Patent of the United States has been filed on, under Application No and
WHEREAS:	
	Oracle Corporation of 500 Oracle Parkway, Box 50p7, Redwood Shores, CA 94065, U.S.A.
in, to an	fter referred to as ASSIGNEE), is desirous of acquiring the entire interest in, to and under said invention and d under Letters Patent or similar legal protection to be obtained therefor in the United States and in any and gn countries.
NOW, T	THEREFORE, TO ALL WHOM IT MAY CONCERN:
hereby s exclusive in all for possession	own that for good and valuable consideration, the receipt of which is hereby acknowledged, ASSIGNOR(S) sells, assigns and transfers to ASSIGNEE, its successors, legal representatives and assigns, the full and reight, title and interest to said discovery or invention in the United States and its territorial possessions and reign countries and to all Letters Patent or similar legal protection in the United States and its territorial ions and in any and all foreign countries to be obtained for said invention by said application or any ation, division, renewal, substitute or reissue thereof or any legal equivalent thereof in a foreign country for term or terms for which the same may be granted.
States of is to iss	ASSIGNOR(S), hereby authorize and request the Commissioner of Patents and Trademarks of the United of America and any Official of any country or countries foreign to the United States of America whose duty it the Letters Patent on applications as aforesaid, to issue all such Letters Patent for said discovery or invention assignee of the entire right, title and interest in, to and under the same, for the sole use and of the ASSIGNEE, its successors, legal representatives and assigns, in accordance with the terms of this tent.
I, SAII sold, as	D, ASSIGNOR(S), hereby covenant that I have full right to convey the entire right, title and interest herein ssigned, transferred and set over;
AND I	, SAID ASSIGNOR(S) hereby further covenant and agree that the ASSIGNEE, its successors, legal

PATENT REEL: 011865 FRAME: 0451 representatives, or assigns, 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, its successors, legal representatives, or assigns, 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, its successors, legal representatives and assigns, and that if reissues of the said Letters Patent or disclaimers relating thereto, or divisions, continuations, or refilings of the said applications, or any thereof, shall hereafter be desired by the ASSIGNEE, its successors, legal representatives, or assigns, I will, at any time, when called upon to do so by the ASSIGNEE its successors, legal representatives, or assigns, sign all lawful papers, make all rightful oaths, execute and deliver all such disclaimers and all divisional, continuation and reissue applications so desired, and do all lawful acts requisite for the application for such reissues and the procuring thereof and for the filing of such disclaimers and such applications, and generally do everything possible to aid the ASSIGNEE, its successors, legal representatives and assigns, 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, its successors, legal representatives and assigns.

Signed:

(2)

(1) Daniel Abugov

January 1

(3) Sin K Raviola

RECORDED: 05/29/2001

Date:

Date:

Date:

PATENT REEL: 011865 FRAME: 0452