FORM PTO-1595 1-31-92 F

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HEET

U.S. DEPARTMENT OF COMMERCE

Patent and Trademark Office

	a
To the Assistant Commissioner for Patents and Trademarks: Please record to	
Name of conveying party(ies): Gregory M. Wright, Matthew L. Seidl, Mario I. Wolczko Additional name(s) of conveying party(ies) attached? [] Yes [X] No	2. Name and address of receiving party(ies): Name: Sun Microsystems, Inc. Street Address: 4150 Network Circle City: State: Zip: Santa Clara, CA 95054
3. Nature of conveyance:	Additional name(s) & address(es) attached?
[X] Assignment [] Merger [] Security Agreement [] Change of Name [] Other	[]Yes [X]No 7-29-04
Execution Date:July 22, 2004	
4. Application number(s) or patent number(s):	
If this document is being filed together with a new application, the execution	on date of the application is: July 22, 2004
A. Patent Application No.(s):	B. Patent No.(s):
Additional numbers attached? [] Yes [] No	
5. Name and address of party to whom correspondence concerning document should be mailed:	6. Total number of applications and patents involved: [1]
Name: A. Richard Park Park, Vaughan & Fleming LLP 508 Second Street, Suite 201	7. Total fee (37 CFR 3.41)
Davis, CA 95616	8. Deposit account number:
Attorney Docket No.: SUN04-0686-SPL	
DO NOT USE THIS SPACE	
9. Statement and signature. To the best of my knowledge and belief, the foregoing information the original document.	is true and correct and any attached copy is a true copy of
A. Richard Park Name of Person Signing Signatur	<u>July 29, 2004</u> e Date
Total number of pages including cover sheet, attachments and document: [5]

#corporate power of attorney

08/04/2004 MARKED1 00000019 10903169 00.00 82

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CORPORATE ASSIGNMENT

WHEREAS, the undersigned,

Gregory M. Wright Matthew L. Seidl Mario I. Wolczko 668 Willowgate Street #D, Mountain View, CA 94043 1034 Grant Street, Longmont, CO 80501 36 Coronado Avenue, San Carlos, CA 94070

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

METHOD AND APPARATUS FOR MAINTAINING AN OBJECT-BASED WRITE BARRIER TO FACILITATE GARBAGE-COLLECTION OPERATIONS

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

<u>X</u>	On the 22nd day of July ,	20 <u>04</u> ;	
	Or		
	Said application having Application Number	and filed on	July 29, 2004; and

WHEREAS, <u>Sun Microsystems</u>, <u>Inc.</u> a corporation of the State of <u>Delaware</u>, having a place of business at <u>4150 Network Circle</u>, <u>Santa Clara</u>, <u>CA 95054</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 jointly and severally 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 involving said invention and any applications therefor and any patents granted thereon, including without limitation reissues and reexaminations, opposition proceedings, cancellation proceedings, priority contests,

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PATENT REEL: 015643 FRAME: 0562

Attorney Docket No. SUN04-0686-SPL

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.

- 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.
- Said Inventor(s) hereby jointly and severally 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.

	7/21/2004
Gregory M. Wright	Date
Matthew L. Seidl	Date
Mussl	7-21-2004
Mario I. Wolczko	Date
	Date

Date

CORPORATE ASSIGNMENT

WHEREAS, the undersigned,

Gregory M. Wright Matthew L. Seidl Mario I. Wolczko 668 Willowgate Street #D, Mountain View, CA 94043 1034 Grant Street, Longmont, CO 80501 36 Coronado Avenue, San Carlos, CA 94070

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<u>X</u> _	On the <u>22nd</u> day of <u>July</u> , 20 <u>04</u> ;
	Or
	Said application having Application Number and filed on_July 29, 2004; and

WHEREAS, <u>Sun Microsystems</u>, <u>Inc.</u> a corporation of the State of <u>Delaware</u>, having a place of business at <u>4150 Network Circle</u>, <u>Santa Clara</u>, <u>CA 95054</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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PATENT REEL: 015643 FRAME: 0564

Autorney Docket No. SUN04-0686-SPL

public use proceedings, infringement actions and court actions; provided, however, that the expense insurred 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 Assigned, 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 jointly and severally warrant and represent that they have no 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.

Gregory M. Wright	Date
Jan //h	7/22/04
Matthew L. Seidl	Date
Mario I. Wolczko	Date
	Date

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Date

RECORDED: 07/29/2004