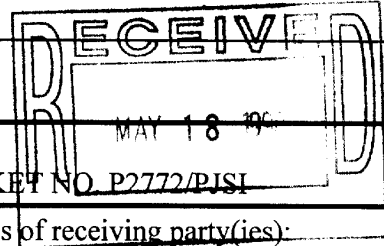


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To the Honorable commissioner of Patents  
Please record the attached original document



100723028

DOCKET NO. P2772/PJSI

## 1. Name of conveying party(ies):

Christian J. Callsen  
Ken M. Cavanaugh

Additional name(s) of conveying  
party(ies) attached? ☒ Yes ☐ No

## 3. Nature of conveyance:

- ☒ Assignment  
☐ Merger  
☐ Security Agreement  
☐ Change of Name  
☐ Other

Execution Date: May 1, 1998

## 2. Name and address of receiving party(ies):

Name: Sun Microsystems, Inc.  
Street Address: 2550 Garcia Avenue  
City: Mountain View  
State: CA Zip: 94043-1100

Additional name(s) & address(es)  
attached? ☐ Yes ☒ No

## 4. Application number(s) or patent number(s):

If this document is being filed together with a new application, the execution  
date of the application is:

A. Patent Application No.(s)  
08/993,205

B. Patent No. (s)

Additional numbers attached? ☐ Yes ☒ No

5. Name and address of party to whom  
correspondence concerning document should be  
mailed:

Name: Paul E. Kudirka

Street Address: Kudirka & Jobse, LLP  
One Beacon Street

City: Boston State: MA Zip: 02108

6. Total number of applications and  
patents involved? 1

7. Total fee (37 CFR 3.41) \$40.00  
☒ Enclosed

☐ Authorized to be charged to deposit  
account no. 02-3038

8. Deposit account no. 02-3038 (Attach duplicate  
copy of this page if paying by deposit  
account)

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## 9. Statement and signature.

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true  
copy of the original document.

Paul E. Kudirka

Name of Person Signing

Paul E. Kudirka  
Signature

5/13/98  
Date

Total number of pages comprising cover sheet: 4

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PATENT

REEL: 9190 FRAME: 0037

## ASSIGNMENT

Whereas we, Ken M. Cavanaugh, who resides at P.O. Box 371480, Montara, California 94037, and Christian J. Callsen, who resides at 311 Orchard Avenue, Redwood City, California 94061, have made certain inventions or discoveries (or both) set forth in an application for Letters Patent of the United States of America entitled, **METHOD AND APPARATUS FOR CONSTRUCTING STABLE ITERATORS IN A SHARED DATA COLLECTION**, identified by Kudirka & Jobse, LLP, Attorney File No. P2772/PJSI, which application was filed in the United States Patent and Trademark Office on December 18, 1997, was assigned Serial No. 08/993,205; and

Whereas Sun Microsystems, Inc., having a place of business at 2550 Garcia Avenue, Mountain View, California 94043-1100, and which, together with its successors and assigns, is hereinafter called "Assignee," is desirous of acquiring the title, rights, benefits and privileges hereinafter recited;

Now, Therefore, for valuable consideration furnished by Assignee to us, receipt and sufficiency of which we hereby acknowledge, we hereby, without reservation:

1. Assign, transfer and convey to Assignee the entire right, title and interest in and to said inventions and discoveries, said application for Letters Patent of the United States of America, any and all other applications for Letters Patent on said inventions and discoveries in whatsoever countries, including all divisional, renewal, substitute, continuation and Convention applications based in whole or in part upon said inventions or discoveries, or upon said applications, and any and all Letters Patent, reissues, reexaminations, and extensions of Letters Patent granted for said inventions and discoveries or upon said applications, and every priority right that is or may be predicated upon or arise from said inventions, said discoveries, said applications and said Letters Patent;

2. Authorize Assignee to file patent applications in any or all countries on any or all of said inventions and discoveries in our names or in the name of Assignee or otherwise as Assignee may deem advisable, under the International Convention or otherwise;

3. Authorize and request the Commissioner of Patents and Trademarks of the United States of America and the empowered officials of all other governments to issue or transfer all said Letters Patent to Assignee, as assignee of the entire right, title and interest therein or otherwise as Assignee may direct;

4. Warrant that we have not knowingly conveyed to others any right in said inventions, discoveries, applications or patents or any license to use the same or to make, use or sell anything embodying or utilizing any of said inventions or discoveries; and that we have good right to assign the same to Assignee without encumbrance;

5. Bind our heirs, legal representatives and assigns, as well as ourselves, to do, upon Assignee's request and at Assignee's expense, but without additional consideration to us or them, all acts reasonably serving to assure that the said inventions and discoveries, the said patent applications and the said Letters Patent shall be held and enjoyed by Assignee as fully and entirely as the same could have been held and enjoyed by us, our heirs, legal representatives and assigns if this assignment had not been made; and particularly to execute and deliver to Assignee all lawful application documents including petitions, specifications, and oaths, and all assignments, disclaimers, and lawful affidavits in form and substance as may be requested by Assignee; to communicate to Assignee all facts known to us relating to said inventions and discoveries or the history thereof; and to furnish Assignee with any and all documents, photographs, models, samples and other physical exhibits in our control or in the control of our heirs, legal representatives or assigns which may be useful for establishing the facts of our conceptions, disclosures, and reduction to practice of said inventions and discoveries.

In testimony of which we have executed this Assignment on the dates indicated next to our names.

5/1/98  
Date

Ken M. Cavanaugh III  
Ken M. Cavanaugh

5-1-98  
Date

Christian J. Callsen  
Christian J. Callsen

H:\PEK\S0012\7006\ASI.WPD

# CALIFORNIA ALL-PURPOSE ACKNOWLEDGMENT

State of California  
County of San Mateo  
On May 1, 1998 before me, MARCIA L DYKSTRA,  
Date Name and Title of Officer (e.g., "Jane Doe, Notary Public")  
personally appeared Christian J. Carlson & Ken M. Cunningham  
Name(s) of Signer(s)

☐ personally known to me – OR – ☒ proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) ~~is~~ are subscribed to the within instrument and acknowledged to me that ~~he/she~~ they executed the same in ~~his/her~~ their authorized capacity(ies), and that by ~~his/her~~ their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.



WITNESS my hand and official seal.

Marcia L Dykstra  
Signature of Notary Public

## OPTIONAL

Though the information below is not required by law, it may prove valuable to persons relying on the document and could prevent fraudulent removal and reattachment of this form to another document.

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Signer(s) Other Than Named Above: \_\_\_\_\_

### Capacity(ies) Claimed by Signer(s)

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- ☐ Individual  
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Title(s): \_\_\_\_\_  
☐ Partner — ☐ Limited ☐ General  
☐ Attorney-in-Fact  
☐ Trustee  
☐ Guardian or Conservator  
☐ Other: \_\_\_\_\_

Signer Is Representing: \_\_\_\_\_

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OF SIGNER  
Top of thumb here

Signer's Name: \_\_\_\_\_

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☐ Corporate Officer  
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