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1. Name of conveying party(ies):

Jeffrey S. BONWICK  
Matthew A. AHRENS

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

Name: Sun Microsystems, Inc.

Internal Address: \_\_\_\_\_

22387 U.S. PTO  
10/853870



052604

Additional names(s) of conveying party(ies)  Yes  No

3. Nature of conveyance:

- Assignment  Merger
- Security Agreement  Change of Name
- Other \_\_\_\_\_

Street Address: 4150 Network Circle

City: Santa Clara State: CA ZIP: 95054

Execution Date: 05/25/2004

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

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

10853870

If this document is being filed together with a new application, the execution date of the application is: 05/25/2004

A. Patent Application No.(s)

05/28/2004 MARZ11 00000046 10853870

04 FC:8021

40.00 DP

B. Patent No.(s)

Additional numbers attached?  Yes  No

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

Name: Jonathan P. Osha, Reg. No. 33,986

Internal Address: OSHA & MAY L.L.P.

Street Address: 1221 McKinney, Suite 2800

City: Houston State: TX ZIP: 77010

6. Total number of applications and patents involved:

1

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

Enclosed - Any excess or insufficiency should be credited or debited to deposit account

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50-0591

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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.

JONATHAN P OSHA #33986

May 25, 2004

Name of Person Signing

Signature

Date

Total number of pages including cover sheet, attachments, and document:

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PATENT  
REEL: 015388 FRAME: 0153

## ASSIGNMENT – WORLDWIDE

For good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, the undersigned individual(s) (referred to herein as the "INVENTOR(S)") hereby assign, transfer, and set over to:

### SUN MICROSYSTEMS, INC.

having the following address:

4150 Network Circle  
Santa Clara, California 95054

(referred to herein as "COMPANY"), its successors, and assigns, the entire right, title, and interest, worldwide, in and to the invention known by the following title:

### A METHOD AND SYSTEM FOR DETECTING AND CORRECTING DATA ERRORS USING DATA PERMUTATIONS,

for which the undersigned has/have executed an application for patent in the United States of America on or about this same day, together with said patent application, all divisions, continuations, continuations-in-part, reissues, and extensions thereof, and all Letters Patent (domestic and foreign) that may be granted therefor. Such interest represents the entire ownership of said applications and Letters Patent when granted and is to be owned by COMPANY, its successors, and assigns, or their legal representatives, for the full and entire term for which such Letters Patent may be granted or extended, as fully and entirely as the same would have been enjoyed by the INVENTOR(S) if this assignment had not been made.

In addition, the undersigned INVENTOR(S) each hereby agrees:

1. To sign and execute any further documents that may be necessary or desirable, lawful, and proper in connection with the prosecution of all applications for patent(s) on the INVENTION in the United States, including without limitation said application and all divisions, continuations, continuations-in-part, amendments thereof, and all interference proceedings associated therewith, or otherwise necessary or desirable to secure the title thereto to COMPANY;
2. To execute all papers and documents and to perform all lawful acts that may be necessary in connection with claims to priority or otherwise under the International Convention for the Protection of Industrial Property or similar treaties or agreements;
3. To perform all lawful affirmative acts that may be necessary to obtain the grant of valid and enforceable patents to COMPANY.

The undersigned INVENTOR(S) each hereby authorizes and requests the Commissioner of Patents and Trademarks in the United States to issue any and all Letters Patent resulting from said application, including without limitation any division, continuation, continuation-in-part, or reissue thereof to COMPANY.

The undersigned INVENTOR(S) each hereby grants to the firm of OSHA & MAY L.L.P. the power to insert on this Assignment any further identification that may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for the recordation of this document.

IN WITNESS WHEREOF, this Assignment has been executed by each of the undersigned individuals on the date appearing by such individual's signature:

5/25/04  
Date

1<sup>st</sup> Inventor Signature: [Signature]  
Print or Type Name: Jeffrey S. Bonwick

Aug 25, 2004  
Date

2<sup>nd</sup> Inventor Signature: [Signature]  
Print or Type Name: Matthew A. Ahrens

\_\_\_\_\_  
Date

3<sup>rd</sup> Inventor Signature: \_\_\_\_\_  
Print or Type Name: \_\_\_\_\_

\_\_\_\_\_  
Date

4<sup>th</sup> Inventor Signature: \_\_\_\_\_  
Print or Type Name: \_\_\_\_\_

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When this Assignment is not filed concurrently with the patent application, the following identifying information may be added after execution:  
*U.S. Application Serial No.:*  
*Filing Date:*

OSHA & MAY L.L.P.