

FORM PTO-1595 (Modified)

(Rev. 03-01)

OMB No. 0651-0027 (exp. 5/31/2002)

P08/REV03

06-03-2004



102757687

COVER SHEET

U.S. DEPARTMENT OF COMMERCE

Patent and Trademark Office

NLY

Tab settings → → → ▼

To the Director of the United States Patent and Trademark Office: Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):

Keith H. BIERMAN
David R. EMBERSON
Liang T. CHEN

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

Name: Sun Microsystems, Inc.

Internal Address: _____

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 CircleCity: Santa ClaraState: CAZIP: 95054Execution Date: 04/13/03; 04/11/03; 04/11/03Additional name(s) & address(es) attached? ☐ Yes ☒ No

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

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

A. Patent Application No.(s)

10/417,76504/17/2003

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. 33,986Internal Address: OSHA & MAY L.L.P.Street Address: 1221 McKinney, Suite 2800City: HoustonState: TXZIP: 77010

6. Total number of applications and patents involved:

1

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

"Already submitted on 10-3-2003."

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

8. Deposit account number:

50-0591

(Attach duplicate copy of this page if paying by deposit account)

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.

Name of Person Signing

Signature

May 24, 2004

Date

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

8

Mail documents to be recorded with required cover sheet information to:

Mail Stop Assignment Recordation Services

Director of the United States Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22304-1450

PATENT

REEL: 015393 FRAME: 0284

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:

METHOD AND APPARATUS FOR ACCELERATED POST-SILICON TESTING AND RANDOM NUMBER GENERATION

for which the undersigned has/have executed an application for patent in the United States of America on 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) which 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 which 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 which 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 which may be necessary to obtain the grant of a valid and enforceable patent to COMPANY;

ROSENTHAL & OSHA L.L.P.

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 ROSENTHAL & OSHA L.L.P. the power to insert on this Assignment any further identification which 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:

4/14/03
Date

Signature: [Signature]
Print or Type Name: Keith H. Bierman

4/11/2003
Date

Signature: [Signature]
Print or Type Name: David R. Emberson

4/11/2003
Date

Signature: [Signature]
Print or Type Name: Liang T. Chen

Signature: _____
Date Print or Type Name: _____

Signature: _____
Date Print or Type Name: _____

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.: 10/417,765

Filing Date: April 17, 2003

45459_1.DOC

ROSENTHAL & OSHA L.L.P.

CERTIFICATE OF MAILING BY FIRST CLASS MAIL (37 CFR 1.8)**Applicant(s):** Keith H. Bierman, et al.**Docket No.**

03226.304001; P8837

Serial No.

10/417,765

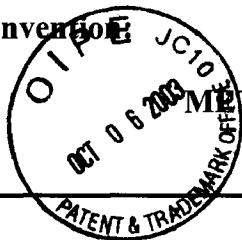
Filing Date

April 17, 2003

Examiner**Group Art Unit**

2123

Inventor(s)

**METHOD AND APPARATUS FOR ACCELERATED POST-SILICON
TESTING AND RANDOM NUMBER GENERATION**

I hereby certify that this Assignment along with required papers
(Identify type of correspondence)

is being deposited with the United States Postal Service as first class mail in an envelope addressed to:

Commissioner for Patents, P. O. Box 1450, Alexandria, VA 22313-1450, on October 3, 2003.
(Date)

Grace A. Wise

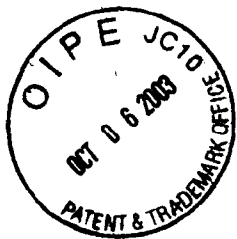
(Typed or Printed Name of Person Mailing Correspondence)

(Signature of Person Mailing Correspondence)

Note: Each paper must have its own certificate of mailing.

P07A/REV03

PATENT
REEL: 015393 FRAME: 0287



PATENT APPLICATION
ATTORNEY DOCKET NO. 03226.304001; P8837

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant(s): Keith H. Bierman, et al. Art Unit: 2123
Serial No.: 10/417,765 Examiner: TBA
Filed: April 17, 2003
Title: METHOD AND APPARATUS FOR ACCELERATED POST-SILICON
TESTING AND RANDOM NUMBER GENERATION

Commissioner for Patents
P. O. Box 1450
Alexandria, VA 22313-1450

PETITION TO CORRECT ASSIGNMENT RECORDAL

Enclosed please find the original Assignment, a corrected Recordation Form Cover Sheet, and our check in the amount of \$40.00 to record the Assignment in the referenced application. The Assignment was originally recorded by the U.S. Patent and Trademark Office on April 17, 2003, at Reel 013985, Frame 0887. Upon receipt of the recorded Assignment, we noticed that the Assignee's State of residence was incorrectly listed as "TX" rather than --CA--. Therefore, we are re-filing the Assignment with a corrected Recordation Form Cover Sheet so that the Assignment may be properly recorded.

Applicant believes the fee required to file this paper is \$40.00. If, however, Applicant is incorrect, the Director is hereby authorized to charge any other fees and/or credits to Deposit Account 50-0591, Reference No. 03226.304001.

Date: 10/2/03

Signature: [Signature] #45,079

Jonathan P. Osha, Reg. No. 33,986
ROSENTHAL & OSHA L.L.P.
1221 McKinney Street, Suite 2800
Houston, Texas 77010

Telephone: 713/228-8600
Facsimile: 713/228-8778

54857_1

PATENT
REEL: 015393 FRAME: 0288

CERTIFICATE OF MAILING BY FIRST CLASS MAIL (37 CFR 1.8)**Applicant(s):** Keith H. Bierman, et al.**Docket No.**

03226.304001; P8837

Serial No.

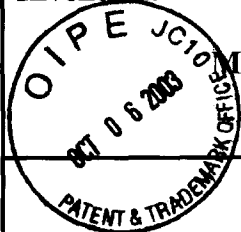
10/417,765

Filing Date

April 17, 2003

Examiner**Group Art Unit**

2123

Invention:**METHOD AND APPARATUS FOR ACCELERATED POST-SILICON
TESTING AND RANDOM NUMBER GENERATION**

I hereby certify that this Petition To Correct Assignment Recordal along with required papers
(Identify type of correspondence)

is being deposited with the United States Postal Service as first class mail in an envelope addressed to:

Commissioner for Patents, P. O. Box 1450, Alexandria, VA 22313-1450, on October 3, 2003.
(Date)

Grace A. Wise

(Typed or Printed Name of Person Mailing Correspondence)

(Signature of Person Mailing Correspondence)**Note: Each paper must have its own certificate of mailing.**

P07A/REV03

**PATENT
REEL: 015393 FRAME: 0289**

CERTIFICATE OF MAILING BY FIRST CLASS MAIL (37 CFR 1.8)**Applicant(s):** Keith H. Bierman, et al.**Docket No.**

03226.304001; P8837

Serial No.

10/417,765

Filing Date

April 17, 2003

Examiner**Group Art Unit**

2123

Invention:**METHOD AND APPARATUS FOR ACCELERATED POST-SILICON
TESTING AND RANDOM NUMBER GENERATION**

I hereby certify that this

Request To Correct Non-Recordal of Assignment Document along with required papers*(Identify type of correspondence)*

is being deposited with the United States Postal Service as first class mail in an envelope addressed to:

U.S. Patent and Trademark Office, Assignment Division, Box Assignments CG-4, 1213 Jefferson Davis

Highway, Suite 320, Washington, D.C. 20231, on May 24, 2004.
*(Date)*Grace A. Wise*(Typed or Printed Name of Person Mailing Correspondence)*
*(Signature of Person Mailing Correspondence)***Note: Each paper must have its own certificate of mailing.**

P07A/REV03

**PATENT
REEL: 015393 FRAME: 0290**

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant(s): Keith H. Bierman, et al. Art Unit: 2123
Serial No.: 10/417,765 Examiner: TBA
Filed: April 17, 2003
Title: METHOD AND APPARATUS FOR ACCELERATED POST-SILICON
TESTING AND RANDOM NUMBER GENERATION

FINANCE SECTION

2004 JUN -1 AM 10 57

OFFICE OF THE CLERK

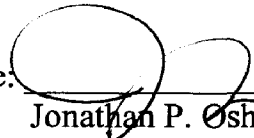
U.S. Patent and Trademark Office
Assignment Division, Box Assignments CG-4
1213 Jefferson Davis Highway, Suite 320
Washington, D.C. 20231

REQUEST TO CORRECT NON-RECORDAL OF ASSIGNMENT DOCUMENT

Enclosed is the Notice of Non-Recordation of Assignment Document (Document ID No. 102571518) as received from the United States Patent and Trademark Office ("PTO"). The Assignment was originally filed with the application on April 17, 2003; however, Applicant complies with the Assignment Division request and submits the assignment document with a new recordation cover sheet.

Applicant believes that no fee is required to file this paper because a payment of \$40.00 was submitted on October 3, 2003. If, however, Applicant is incorrect, the Director is hereby authorized to charge any other fees and/or credits to Deposit Account 50-0591, Reference No. 03226.304001.

Date: 5/24/04

Signature: 

Jonathan P. Osha, Reg. No. 33,986
Osha & May L.L.P.
1221 McKinney Street, Suite 2800
Houston, Texas 77010

Telephone: 713/228-8600
Facsimile: 713/228-8778

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To the Director of the United States Patent and Trademark Office: Please record the attached original documents or copy thereof.

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Keith H. Bierman
David R. Emberson
Liang T. Chen

10-6-03

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

Name: Sun Microsystems, Inc.

Internal Address: _____

Street Address: 4150 Network CircleCity: Santa Clara State: CA ZIP: 95054

Additional names(s) of conveying party(ies)

☐ Yes ☒ No

3. Nature of conveyance:

☒ Assignment☐ Merger☐ Security Agreement☐ Change of Name☐ Other _____Execution Date: 04/13/03; 04/11/03; 04/11/03Additional name(s) & address(es) attached? ☐ Yes ☒ No

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

If this document is being filed together with a new application, the execution date of the application is: 04/14/03; 04/11/03;

A. Patent Application No.(s) ✓

B. Patent No.(s)

04/11/2003

10/09/2003 EDOOPER 00000000 10417765

01 FC:0021

40.00 OP

Additional numbers attached? ☐ Yes ☒ No

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

Name: Jonathan P. Osha

Internal Address: _____

Street Address: Rosenthal & Osha L.L.P.1221 McKinney Street, Suite 2800City: 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☐ Authorized to be charged to deposit account

8. Deposit account number:

50-0591

(Attach duplicate copy of this page if paying by deposit account)

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.

Thomas Scherer #45,079

Name of Person Signing

[Signature]

Signature

10/2/03

Date

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

4

Mail documents to be recorded with required cover sheet information to:
Mail Stop Assignment Recordation Services
Director of the United States Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22304-0450

PATENT

RECORDED: 06/01/2004

REEL: 015393 FRAME: 0292