

10-31-2003

Docket No.: 03226.328001;SUN030060

FORM PTO-1595 (Modified)
(Rev. 03-01)
OMB No. 0651-0027 (exp. 5/31/2002)
P08A/REV03

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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):
**Brian AMICK, Dong YOON, Tri TRAN,
Gajendra SINGH, Aparna RAMACHANDRAN
and Claude GAUTHIER**

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

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

Name: Sun Microsystems, Inc.

Address: 4150 Network Circle

City: Santa Clara State/Prov.: CA

Country: USA ZIP: 95054

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

17510 U.S. PTO
10/690302

3. Nature of conveyance:

Assignment Merger

Security Agreement Change of Name

Other _____

Execution Date: October 16, 2003

4. Application number(s) or patent numbers(s): 10690302

If this document is being filed together with a new application, the execution date of the application is: October 16, 2003

Patent Application No.	Filing date	B. Patent No.(s)

Additional numbers Yes No

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

Name: Jonathan P. Osha

Registration No. 33,986

Address: ROSENTHAL & OSHA L.L.P.

1221 McKinney, Suite 2800

City: Houston State/Prov.: Texas

Country: USA 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)

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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.

Thomas Scherer #45,079 [Signature] 10/20/03

Name of Person Signing Signature Date

5

Total number of pages including cover sheet, attachments, and

Mail documents to be recorded with required cover sheet information to:
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PATENT
REEL: 014636 FRAME: 0747

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:

DIGITAL DELAY LOCKED LOOP WITH EXTENDED PHASE CAPTURE RANGE

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;

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.

ROSENTHAL & OSHA L.L.P.

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:

10/16/03
Date

Signature: Brian Amick
Print or Type Name: Brian AMICK

Date

Signature: _____
Print or Type Name: Dong YOON

Date

Signature: _____
Print or Type Name: Tri TRAN

Date

Signature: _____
Print or Type Name: Gajendra SINGH

Date

Signature: _____
Print or Type Name: Aparna RAMACHANDRAN

Date

Signature: _____
Print or Type Name: Claude GAUTHIER

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:

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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:

<p>_____ Date</p> <p>10/16/03 _____ Date</p> <p>10/16/03 _____ Date</p> <p>10/16/03 _____ Date</p> <p>10/16/03 _____ Date</p>	<p>Signature: _____ Print or Type Name: Brian AMICK</p> <p>Signature: _____ Print or Type Name: Dong YOON</p> <p>Signature: _____ Print or Type Name: Tri TRAN</p> <p>Signature: _____ Print or Type Name: Gajendra SINGH</p> <p>Signature: _____ Print or Type Name: Aparna RAMACHANDRAN</p> <p>Signature: _____ Print or Type Name: Claude GAUTHIER</p>
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When this Assignment is not filed concurrently with the patent application, the following identifying information may be added after execution:

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