

08-18-2006

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OMB No. 0651-0027 (exp. 6/30/2008)U.S. DEPARTMENT OF COMMERCE  
United States Patent and Trademark Office

103293307

8/11/06

To the Director of the U.S. Patent and Trademark Office: Please record the attached documents or the new address(es) below.

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

Chien Ouyang

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

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

Name: Sun Microsystems, Inc.

Internal Address:

Street Address:

4150 Network Circle

City: Santa Clara

State: California

Country: United States of America Zip: 95054

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

## 3. Nature of conveyance/Execution Date(s):

Execution Date(s): August 7, 2006

☒ Assignment ☐ Merger ☐ Change of Name☐ Security Agreement ☐ Joint Research Agreement☐ Government Interest Assignment☐ Executive Order 9424, Confirmatory License☐ Other

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

A. Patent Application No.(s)

This application

☒ This document is being filed together with a new application.

B. Patent No.(s)

Additional numbers attached? ☐ Yes ☒ No

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

Name: Thomas K. Scherer  
OSHA - LIANG LLP

Internal Address: Atty. Dkt.: 03226/858001; SUN060776

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State: TX Zip: 77010

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## 6. Total number of applications and patents involved:

1

## 7. Total fee (37 CFR 1.21(h) &amp; 3.41) \$ 40.00

- ☒ Authorized to be charged by credit card  
☐ Authorized to be charged to deposit account  
☐ Enclosed  
☐ None required (government interest not affecting title)

## 8. Payment Information

a. Credit Card Last 4 Numbers 1031

Expiration Date 0207

b. Deposit Account Number 50-0591

Authorized User Name

## 9. Signature:

Signature T. Chyan Liang

August 11, 2006

Date

for Thomas K. Scherer - 45,079

Name of Person Signing

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

3

5/2006 HMARZ11 00000071 11502696

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PATENT  
REEL: 018181 FRAME: 0066

**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:

**AN INTELLIGENT COOLING METHOD COMBINING  
PASSIVE AND ACTIVE COOLING COMPONENTS**

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 • LIANG LLP 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.

**ASSIGNMENT - WORLDWIDE**

**OSHA • LIANG LLP**

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

8-7-2006

Date

1<sup>st</sup> Inventor Signature: Chien OuyangPrint or Type Name: Chien Ouyang

Date

2<sup>nd</sup> Inventor Signature: \_\_\_\_\_

Print or Type Name: \_\_\_\_\_

Date

3<sup>rd</sup> Inventor Signature: \_\_\_\_\_

Print or Type Name: \_\_\_\_\_

Date

4<sup>th</sup> Inventor Signature: \_\_\_\_\_

Print or Type Name: \_\_\_\_\_

Date

5<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:***ASSIGNMENT - WORLDWIDE****OSHA • LIANG LLP****PATENT****RECORDED: 08/11/2006****REEL: 018181 FRAME: 0068**