

PATENT ASSIGNMENT

Electronic Version v1.1

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SUBMISSION TYPE:	NEW ASSIGNMENT														
NATURE OF CONVEYANCE:	ASSIGNMENT														
CONVEYING PARTY DATA															
<table border="1"><thead><tr><th>Name</th><th>Execution Date</th></tr></thead><tbody><tr><td>Dawei Huang</td><td>03/27/2008</td></tr><tr><td>Zuxu Qin</td><td>03/28/2008</td></tr><tr><td>Drew G. Doblar</td><td>03/27/2008</td></tr><tr><td>Waseem Ahmad</td><td>03/28/2008</td></tr><tr><td>Dong Joon Yoon</td><td>03/28/2008</td></tr><tr><td>Osman Javed</td><td>03/28/2008</td></tr></tbody></table>	Name	Execution Date	Dawei Huang	03/27/2008	Zuxu Qin	03/28/2008	Drew G. Doblar	03/27/2008	Waseem Ahmad	03/28/2008	Dong Joon Yoon	03/28/2008	Osman Javed	03/28/2008	
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Dong Joon Yoon	03/28/2008														
Osman Javed	03/28/2008														
RECEIVING PARTY DATA															
Name:	Sun Microsystems, Inc.														
Street Address:	4150 Network Circle														
City:	Santa Clara														
State/Country:	CALIFORNIA														
Postal Code:	95054														
PROPERTY NUMBERS Total: 1															
<table border="1"><thead><tr><th>Property Type</th><th>Number</th></tr></thead><tbody><tr><td>Application Number:</td><td>12116329</td></tr></tbody></table>	Property Type	Number	Application Number:	12116329											
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CORRESPONDENCE DATA															
Fax Number:	(713)228-8778														
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ATTORNEY DOCKET NUMBER:	03227/109002														
NAME OF SUBMITTER:	Yuki Bennyhoff														

OP \$40.00 12116329

PATENT

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Total Attachments: 4

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PATENT

REEL: 020913 FRAME: 0052

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:

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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) 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.

The undersigned INVENTOR(S) each hereby grants to the firm of OSHA LIANG LLP 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.

OSHA LIANG LLP

PATENT
REEL: 020913 FRAME: 0053

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

<u>03/27/2008</u>	1 st Inventor Signature: <u></u>
Date	Print or Type Name: <u>Dawei Huang</u>
<u></u>	2 nd Inventor Signature: <u></u>
Date	Print or Type Name: <u>Zuxu Qin</u>
<u></u>	3 rd Inventor Signature: <u></u>
Date	Print or Type Name: <u>Drew G. Doblar</u>
<u></u>	4 th Inventor Signature: <u></u>
Date	Print or Type Name: <u>Waseem Ahmad</u>
<u></u>	5 th Inventor Signature: <u></u>
Date	Print or Type Name: <u>Dong Joon Yoon</u>
<u></u>	6 th Inventor Signature: <u></u>
Date	Print or Type Name: <u>Osman Javed</u>

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.: 12/116,329
Filing Date: May 7, 2008

ASSIGNMENT – WORLDWIDE

OSHA LIANG LLP

PATENT
REEL: 020913 FRAME: 0054

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

_____ Date 03/28/08 _____ Date	1 st Inventor Signature: _____ Print or Type Name: Dawei Huang
_____ Date 3/28/08 _____ Date 3/28/08 _____ Date	2 nd Inventor Signature: _____ Print or Type Name: Zuxu Qin
_____ Date	3 rd Inventor Signature: _____ Print or Type Name: Drew G. Doblar
_____ Date	4 th Inventor Signature: _____ Print or Type Name: Waseem Ahmad
_____ Date	5 th Inventor Signature: _____ Print or Type Name: Dong Joon Yoon
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IN WITNESS WHEREOF, this Assignment has been executed by each of the undersigned individuals on the date appearing by such individual's signature:

_____	1 st Inventor Signature: _____
Date	Print or Type Name: Dawei Huang
_____	2 nd Inventor Signature: _____
Date	Print or Type Name: Zuxu Qin
3/27/08	3 rd Inventor Signature: <u>Drew G. Doblar</u>
Date	Print or Type Name: Drew G. Doblar
_____	4 th Inventor Signature: _____
Date	Print or Type Name: Waseem Ahmad
_____	5 th Inventor Signature: _____
Date	Print or Type Name: Dong Joon Yoon
_____	6 th Inventor Signature: _____
Date	Print or Type Name: Osman Javed

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RECORDED: 05/07/2008

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