Electronic Version v1.1

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SUBMISSION TYPE:			NEW ASSIGNMENT			
NATURE OF CONVEYANCE:			ASSIGNMENT			
CONVEYING PARTY DATA						
N			ame	Execution Date		
Kiran K. Bhumana				06/16/2008		
Jerry Alan Waldorf II				06/24/2008		
RECEIVING PARTY DATA						
Name:	Sun Microsystems, Inc.					
Street Address:	4150 Network	Circle				
City:	Santa Clara					
State/Country:	CALIFORNIA					
Postal Code:	95054	95054				
PROPERTY NUMBERS Total: 1 Property Type			Number		2147311	
		121473				
CORRESPONDENCE DATA						
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Fax Number:	(303)899-				00 04	
Fax Number: <i>Correspondence will b</i>	(303)899- De sent via US M	Mail whe	en the fax attempt is unsuccessful.		\$40.00 \$	
Fax Number: <i>Correspondence will b</i> Phone:	(303)899- be sent via US M 719-448-5	<i>Mail whe</i> 5947				
Fax Number: <i>Correspondence will b</i> Phone: Email:	(303)899- be sent via US M 719-448-5 jllange@h	<i>Mail whe</i> 5947 hhlaw.c	com		CH \$40.00	
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Fax Number: <i>Correspondence will b</i> Phone: Email: Correspondent Name:	(303)899- be sent via US M 719-448-5 jllange@h HOGAN 8 ONE TAB	<i>Mail whe</i> 5947 hhlaw.c & HAR ⁻ BOR CE	com TSON LLP			
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(Rev. 08/05		PRM COVER SHEET U.S. Department of Commerce				
	651-0027 (exp. 6/30/2008) PATENTS (U.S. Patent and Trademark Office				
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)/Execution Date(s):	2. Name and address of receiving party(ies)				
Addition	Kiran K. Bhumana - Execution Date: 06/16/2008 Jerry Alan Waldorf II - Execution Date: 06/24/2008 I name(s) of conveying party(ies) attached? Yes X No	Sun Microsystems, Inc., a Delaware corporation 4150 Network Circle Santa Clara, CA 95054 Additional name(s) & address(es) attached? Yes X No				
3.	Nature of conveyance Assignment Image Merger Security Agreement Image of Name Joint Research Agreement Image Government Interest Assignment Executive Order 9424, Confirmatory License Image Other					
4.	Application or patent number(s):	This document is being filed together with a new application.				
	A. Patent Application No.(s)	B. Patent No.(s)				
	Attorney Docket No.: SUN080399					
		Additional numbers attached? Yes X No				
5.	Name and Address to whom correspondence concerning document should be mailed:	6. Total number of applications and patents involved: 1				
	Name: <u>William J. Kubida</u> Internal Address: <u>Hogan & Hartson LLP</u> <u>One Tabor Center</u> <u>1200 17th Street, Suite 1500</u> Street Address: <u>same as above</u> City: <u>Denver</u> State: <u>CO</u> Zip: <u>80202</u> Phone Number: <u>719-448-5909</u> Fax Number: <u>719-448-5922</u> Email Address: <u>PatentColorado@hhlaw.com</u>	 7. Total fee (37 CFR 1.21(h) & 3.41)\$ <u>40.00</u> ☐ 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				
9.	Signature :	f pages including cover sheet, attachments and document: 4				

PATENT REEL: 021157 FRAME: 0704

PATENT EFS-Web Attorney Docket No. SUN080399 Client/Matter No. 80168.0489

ASSIGNMENT

WHEREAS, we, **Kiran K. Bhumana**, having a <u>business address</u> of 800 E. Royal Oaks Dr., Monrovia, CA 91016; Jerry Alan Waldorf II, having a <u>business address</u> of 800 E. Royal Oaks Dr., Monrovia, CA 91016, have made a certain new and useful invention relating to a **HTTP BASED BOUNDING STORAGE SPACE PROTOCOL**, for which we are making or have made application for Letters Patent of the United States, said application being identified by Docket No. SUN080399 and Client/Matter No. 80168.0489 in the law firm of Hogan & Hartson, L.L.P. One Tabor Center, 1200 Seventeenth Street, Suite 1500, Denver, Colorado, 80202, and which was executed on <u>16 June 2005</u> assigned serial no. <u>12/147,311</u> and

WHEREAS, we now own the entire right, title and interest therein; and

WHEREAS, Sun Microsystems, Inc., hereinafter ASSIGNEE, a Delaware corporation, whose post office address is 4150 Network Circle, Santa Clara, California 95054, is desirous of acquiring the entire interest in and to said invention, said application, and the Letters Patent to be obtained therefor;

NOW THEREFORE, upon consideration of our employment and other good and valuable consideration, the adequacy of which is hereby acknowledged, we do hereby sell and assign unto ASSIGNEE and ASSIGNEE's legal representatives, successors, and assigns, the entire right, title, and interest in and to said invention, said application, and the Letters Patent, both of the United States and of other countries, and inventor's certificates, that may or shall issue thereon; and we do hereby authorize and request the Commissioner of Patents and Trademarks to Issue said Letters Patent to ASSIGNEE, consistent with the terms of this Assignment.

UPON SAID CONSIDERATION, we do hereby covenant with ASSIGNEE that we will not execute any writing or do any act whatsoever conflicting with this assignment, and that we will, at any time upon request, without further or additional consideration, but at the expense of ASSIGNEE, execute such additional assignments and other writings and do such additional acts as ASSIGNEE may deem necessary or desirable to perfect ASSIGNEE's enjoyment of this

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grant, and render all necessary assistance in applying for and obtaining original, continuation, continuation-in-part, divisional, reexamined, renewal, reissued or extended Letters Patent of the United States, or of other countries, or inventor's certificates, on said invention, and in enforcing any rights or causes in action accruing as a result of such applications, certificates, or patents, by giving testimony in any proceedings or transactions involving such applications, certificates, or patents, and by executing preliminary statements and other affidavits, it being understood that the foregoing covenant and agreement shall bind, and inure to the benefit of, the assigns and legal representatives of both parties.

The undersigned inventors hereby grant the patent practitioners associated with Customer No. 32658 the power to insert in 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 recordation of this document.

IN WITNESS WHEREOF, we have hereunto set our hands on the date hereinafter set forth.

Date: 06/16/08

Kiran K. Bhumana

Date:_____

Jerry Alan Waldorf II

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grant, and render all necessary assistance in applying for and obtaining original, continuation, continuation-in-part, divisional, reexamined, renewal, reissued or extended Letters Patent of the United States, or of other countries, or inventor's certificates, on said invention, and in enforcing any rights or causes in action accruing as a result of such applications, certificates, or patents, by giving testimony in any proceedings or transactions involving such applications, certificates, or patents, and by executing preliminary statements and other affidavits, it being understood that the foregoing covenant and agreement shall bind, and inure to the benefit of, the assigns and legal representatives of both parties.

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IN WITNESS WHEREOF, we have hereunto set our hands on the date hereinafter set forth.

Date:____

Date: 6/24/2008

Kiran K. Bhumana

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Jerry Alan Waldorf II



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