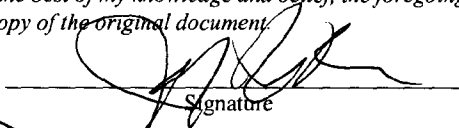


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U.S. PTO  
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10/881101



<b>PTO-1595</b> (Rev. 6-93) OMB No. 0651-0011 (exp. 4/94)	<b>102788658</b> <b>PATENTS ONLY</b>	U.S. DEPARTMENT OF COMMERCE Patent and Trademark Office
Docket No. <b>SMY-074.01</b>		
To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.		
1. Name of conveying party(ies): <b>Alexander T. Garthwaite</b> <i>6-30-04</i>  Additional name(s) of conveying party(ies) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	2. Name and address of receiving party(ies) Name: <b>Sun Microsystems, Inc.</b>  <div style="text-align: right; font-size: 2em;"><i>10881101</i></div>	
3. Nature of conveyance  <input checked="" type="checkbox"/> Assignment <input type="checkbox"/> Merger <input type="checkbox"/> Security Agreement <input type="checkbox"/> Change of Name <input type="checkbox"/> Other _____  Execution Date: <b>June 29, 2004</b>	Internal Address:  Street Address: <b>4150 Network Circle</b> City: <b>Santa Clara</b> State: <b>CA</b> ZIP: <b>95054</b>  Additional name(s) & address(es) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
4. Application number(s) or patent number(s): If this document is being filed together with a new application, the filing date of the application is: <i>June 30, 2004</i>		
A. Patent Application No.(s)	B. Patent No.(s)	
Additional numbers attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
5. Name and address of party to whom correspondence concerning document should be mailed:  Name: <b>Joseph H. Born</b> Telephone: <b>(617) 832-1000</b>  Internal Address: <b>Foley Hoag, LLP</b>  Street Address: <b>155 Seaport Blvd</b>  City: <b>Boston</b> State: <b>MA</b> ZIP: <b>02210-2600</b>	6. Total number of applications and patents involved: <b>1</b>	
Name: <b>Joseph H. Born</b> Telephone: <b>(617) 832-1000</b>  Internal Address: <b>Foley Hoag, LLP</b>  Street Address: <b>155 Seaport Blvd</b>  City: <b>Boston</b> State: <b>MA</b> ZIP: <b>02210-2600</b>	7. Total fee (37 CFR 3.41)..... <b>\$40.00</b> <input checked="" type="checkbox"/> Enclosed <input type="checkbox"/> Authorized to be charged to deposit account  8. <input checked="" type="checkbox"/> Charge any fee deficiency or credit overpayment to Deposit account number: <b>06-1448; Ref. SMY-074.01</b>  Attach duplicate copy of this page if paying by deposit account	
<b>DO NOT USE THIS SPACE</b>		
9. Statement and signature: <i>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.</i>  <div style="display: flex; justify-content: space-between;"> <div data-bbox="162 1627 422 1690"> <u>Joseph H. Born</u>            Name of Person Signing         </div> <div data-bbox="519 1575 974 1701" style="text-align: center;">             Signature         </div> <div data-bbox="1055 1627 1218 1690"> <u>June 30, 2004</u>            Date         </div> </div> <div style="text-align: center; margin-top: 10px;">           Total number of pages including cover sheet, attachments, and document: <b>3</b> </div>		

07/09/2004 BRYNE 0000113 10881101

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Mail documents to be recorded with required cover sheet information to:  
40.00 IP  
Commissioner of Patents and Trademarks, Box Assignments  
Washington, D.C. 20231

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**PATENT**  
**REEL: 015539 FRAME: 0072**

## ASSIGNMENT

Whereas I, Alexander T. Garthwaite, whose residence address is 2 Burton Avenue, Beverly, MA 01915, have made certain inventions or discoveries (or both) set forth in an application for Letters Patent of the United States of America entitled USING CLASS PROPERTIES TO SEGREGATE OBJECTS IN A GENERATION MANAGED BY THE TRAIN ALGORITHM, identified by Foley Hoag LLP Docket No. SMY-074.01; and

Whereas Sun Microsystems, Inc., whose address is 4150 Network Circle, Santa Clara, CA 95054, which, together with its successors and assigns, is hereinafter called "Assignee," is desirous of acquiring the title, rights, benefits, and privileges hereinafter recited;

Now, therefore, for valuable consideration furnished by Assignee to me, the receipt and sufficiency of which I hereby acknowledge, I hereby, without reservation:

1. Assign, transfer, and convey to Assignee my entire right, title, and interest in and to said inventions and discoveries, said application for Letters Patent of the United States of America, any and all other applications for Letters Patent on said inventions and discoveries in whatsoever countries, including all divisional, renewal, substitute, continuation, continuation-in-part, and Convention applications based in whole or in part upon said inventions or discoveries, or upon said applications, and any and all Letters Patent, reissues, reexaminations, and extensions of Letters Patent granted for said inventions and discoveries or upon said applications, and every priority right that is or may be predicated upon or arise from said inventions, said discoveries, said applications, and said Letters Patent;

2. Authorize Assignee to file patent applications in any or all countries on any or all of said inventions and discoveries in my name or in the name of Assignee or otherwise as Assignee may deem advisable, under the International Convention or otherwise;

3. Authorize and request the Commissioner of Patents and Trademarks of the United States of America and the empowered officials of all other governments to issue or transfer all said Letters Patent to Assignee, as assignee of the entire right, title, and interest therein or otherwise as Assignee may direct;

4. Warrant that I have not knowingly conveyed to others any right in said inventions, discoveries, applications, or patents or any license to use the same or to make, use, or sell anything embodying or utilizing any of said inventions or discoveries; and that I have good right to assign the same to Assignee without encumbrance;

5. Bind my heirs, legal representatives and assigns, as well as myself, to do, upon Assignee's request and at Assignee's expense, but without additional consideration to me or them, all acts reasonably serving to assure that the said inventions and discoveries, the said patent applications, and the said Letters Patent shall be held and enjoyed by Assignee as fully and entirely as the same could have been held and enjoyed by me, my heirs, legal representatives, and assigns if this assignment had not been made; and particularly to execute and deliver to Assignee all lawful application documents including petitions, specifications, and oaths, and all assignments, disclaimers, and lawful affidavits in form and substance as may be requested by Assignee; to communicate to

Assignee all facts known to me relating to said inventions and discoveries or the history thereof; and to furnish Assignee with any and all documents, photographs, models, samples, and other physical exhibits in my control or in the control of my heirs, legal representatives or assigns which may be useful for establishing the facts of my conceptions, disclosures, and reduction to practice of said inventions and discoveries.

In testimony of which I have executed this Assignment as an instrument under seal on the date indicated next to my name.

6/29/04

Date

Alexander T. Garthwaite

Alexander T. Garthwaite, Inventor