

	Patent and Trademark Office
To the Honorable Commissioner of Patents and Trademarks.	Please record the attached original documents or copy thereof.
Name of conveying party(ies):  Nandini Ramani David C. Kehlet Ewa M. Kubalska Michael G. Lavelle Michael A. Wasserman Kevin Tang	2. Name and address of receiving party(ies):  Name: Sun Microsystems, Inc.  Internal Address:  Street Address: 901 San Antonio Road
Additional name(s) of conveying party(ies) attached? yes	City Palo Alto State CA ZIP 94303  Additional name(s) & address(es) attached? Yes No
3. Nature of Conveyance:  Assignment  Merger  Security Agreement  Change of Name  Other  Execution Date: September 11, 12, 13, 25, 26, and 28,	
4. Application number(s) or patent number(s):	
A. Patent Application No.(s) 09/861,475	B. Patent No.(s)  Gditional numbers attached? Yes No
A. Patent Application No.(s)  O9/861,475  A. Street Address:  P.O. Box 398	B. Patent No.(s)  additional numbers attached? Yes No  6. Total number of applications and patents involved: 1
A. Patent Application No.(s)  09/861,475  A. Same and address of party to whom correspondence concerning document should be mailed:	B. Patent No.(s)  Goditional numbers attached? Yes No  6. Total number of applications and patents involved: 1  7. Total fee (37 CFR 3.41):
A. Patent Application No.(s)  O9/861,475  A. Street Address:  O9/861,475  A. O9/8	B. Patent No.(s)  Gaditional numbers attached? Yes No  6. Total number of applications and patents involved: 1  7. Total fee (37 CFR 3.41):
A. Patent Application No.(s)  O9/861,475  A. Patent Address of party to whom correspondence concerning document should be mailed:  Name: Jeffrey C. Hood  Internal Address: Conley, Rose & Tayon, P.C.  Street Address: P.O. Box 398  City Austin State TX ZIP 78767-0399  One of the Do NOT USE THIS SPACE  One of the Section No.(s)  O9/861,475  Address: Description of the Section No.(s)  Address: Description of the Section No.(s)  O9/861,475  Address: Description of the Section No.(s)  O9/861,475  Address: Description of the Section No.(s)  O9/861,475  Address: Description No.(s)  O9/861,475  Address: Description No.(s)  O9/861,475  OF Conley, Rose & Tayon, P.C.  Street Address: P.O. Box 398  City Austin State TX ZIP 78767-0399  One of the Section No.(s)	B. Patent No.(s)    General No. (s)   Yes   No
A. Patent Application No.(s)  O9/861,475  A. Street Address:	B. Patent No.(s)  dditional numbers attached? Yes No  6. Total number of applications and patents involved: 1  7. Total fee (37 CFR 3.41):

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**PATENT** 

**REEL: 012265 FRAME: 0097** 

## **ASSIGNMENT**

FOR GOOD AND VALUABLE CONSIDERATION, the receipt, sufficiency and adequacy of which are hereby acknowledged, the undersigned, does hereby:

SELL, ASSIGN AND TRANSFER to SUN MICROSYSTEMS, INC. (the "Assignee"), a corporation organized and existing under and by virtue of the laws of the State of Delaware, and having its principal place of business at 901 San Antonio Road, Palo Alto, California 94303 their entire right, title and interest for the United States and all foreign countries, in and to any and all improvements which are disclosed in the application for United States Letters Patent, which has been executed by the undersigned concurrently herewith. and is entitled. "RASTERIZATION USING TWO-DIMENSIONAL TILES AND ALTERNATING BINS FOR IMPROVED RENDERING UTILIZATION" (Application No. 90/861,475, filed May 18, 2001), such application and all divisional, continuing, substitute, renewal, reissue and all other applications for patent which have been or shall be filed in the United States and all foreign countries on any of such improvements; all original and reissued patents which have been or shall be issued in the United States and all foreign countries on such improvements; and specifically including the right to file foreign applications under the provisions of any convention or treaty and claim priority based on such application in the United States;

AUTHORIZE AND REQUEST the issuing authority to issue any and all United States and foreign patents granted on such improvements to the Assignee;

WARRANT AND COVENANT that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been or will be made to others by the undersigned, and that the full right to convey the same as herein expressed is possessed by the undersigned;

COVENANT that, when requested and at the expense of the Assignee, to carry out in good faith the intent and purpose of this assignment, the undersigned will execute all divisional, continuing, substitute, renewal, reissue, and all other patent applications on any and all such improvements; execute all rightful oaths, declarations, assignments, powers of attorney and other papers; communicate to the Assignee all facts known to the undersigned relating to such improvements and the history thereof; and generally do everything possible which the Assignee shall consider desirable for securing, maintaining and enforcing proper patent protection for such improvements and for vesting title to such improvements in the Assignee;

COVENANT AND AGREE that the above is and will be binding on the heirs, assigns, representatives and successors of the undersigned and extend to the successors, assigns and nominees of the Assignee.

(Signature) _	Nandini Ranan Date:	09/12/01
Name:	NANDINI RAMANI	, .
(Signature) _ Name:	DAVID C. KEHLET	9/26/01
(Signature) _ Name:	EWA M. KUBALSKA	09/11/01
(Signature) _ Name:	Michael G. LAVELLE	9.28.01
(Signature) Name:	MICHAEL A. WASSERMAN	9/13/01
(Signature) _ Name:	Date:	9/25/01
(Signature) _ Name:	Date:	9/13/01

Jeffrey C. Hood Conley, Rose & Tayon, P.C. P.O. Box 398 Austin, TX 78767-0398

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Name: