Name of conveying party(ies):  Nathaniel David Naegle  Name: Sun Microsystems, Inc.  Street Address: 4120 Network Circle, M/S SCA12-203  City Santa Clara State CA ZIP 95054  Additional name(s) & address(es) attached? Yes No  Nature of Conveyance:  Assignment Merger Security Agreement Other New coverpage to correct serial number.  Execution Date: September 17, 2002  Application number(s) or patent number(s):  If this document is being filed together with a new application, the execution date of this application is:  A. Patent Application No.(s) 10/199,473 Filed July 19, 2002  B. Patent No.(s)  Additional numbers attached? Yes No  Additional numbers attached? Yes No  Street Address: No  City Santa Clara State CA ZIP 95054  Additional name(s) & address(es) attached? Yes No  Additional name(s) & address(es) attached? Yes No  CP No  Additional number(s) or patent number(s):  A Patent Application No.(s) 10/199,473 Filed July 19, 2002  B. Patent No.(s)  Additional numbers attached? Yes No  CP No  CP No  Additional numbers attached? Yes No  CP N	ORM PTO-1595 31-92 06-24	U.S. DEPARTMENT OF COMME 4-2005 Patent and Trademark Off
Name of conveying party(ics):  Nathaniel David Naegle  Name: Sun Microsystems, Inc.  Sured Address: 4120 Network Circle, M/S SCA12-203  City Santa Clara State CA ZIP 95054  Additional name(s) & address(es) attached? Yes No  Nature of Conveyance:  Assignment Merger Security Agreement  Change of Name  Other New coverpage to correct serial number.  Execution Date: September 17, 2002  Application number(s) or patent number(s): This aboutment wheing filled logother with a new application, the execution date of this application is:  This aboutment wheing filled logother with a new application, the execution date of this application is:  A Patent Application No (s) 10/19/A73 Filled July 19, 2002  B. Patent No (s) P. C.  Additional numbers attached? Yes No  Name: and address of party to whom correspondence concerning document should be mailed:  Jeffrey C. Hood  Itemal Address: Meyertons, Hood, Kivlin, Kowert & Goetzel, P.C.  Total fee (37 CFR 341): Substitute of this page if paying by deposit account number: \$9-1505/5681-31700/JCII (Attach a duplicate copy of this page if paying by deposit account)  DO NOT USE THIS SPACE  Statement and Signature.  To the best of my knowledge and belief, the foregoing information is time and correct and any attached copy is a true copy of the original document.  Leftrey C. Hood  Name of Person Signing  Rey, No. 35, 198		HE AND DEAD RIVER DIVINE EN LINE
Nathaniel David Naegle  Name: San Microsystems, Inc.  Street Address: 4120 Network Circle, MS SCA12-203  City Sania Clara State CA ZIP 95054  Additional name(s) & address(es) attached? Yes No  Nature of Conveyance:  Assignment Merger Security Agreement Change of Name Other New coverpage to correct serial number.  Execution Date: September 17, 2002  Application number(s) or patent numbe(s). I'th's document is being filled together with a new application, the execution date of this application is:  A Patent Application No.(s) 10/199.473 Filled July 19, 2002  B. Patent No.(s) No.  Additional numbers attached? Yes No  Additional numbers attached? Yes No  Total number of applications and patents involved: 1 Security Agreement of the patents of the pat	Control Tonorable Commissioner of Facette and Frageria.	py thereor.
Street Address: 4120 Network Circle, MS SCA12-203  City Senta Clara State CA ZIP 95054  Additional name(s) & address(es) attached? Yes No  Nature of Conveyance:    Assignment   Werger   Security Agreement   Change of Name   Other New converpage to correct serial number.  Execution Date: September 17, 2002  Application number(s) or patent number(s). If this document is being filed together with a new application, the execution date of this application is:    A Patent Application No.(s)   10/199,473 Filed July 19, 2002   B. Patent No.(s)   F. P. P. Patent Address or party to whom correspondence concern ng document should be mailed:    A Patent Address:   P.O. Box 398	Name of conveying party(ies): 1030	27486 .eceiving party(ies):
Additional name(s) of conveying party(tes) attached?	Nathaniel David Naegle	Name: Sun Microsystems, Inc.
Additional name(s) & address(es) attached?		Street Address: 4120 Network Circle, M/S SCA12-203
Nature of Conveyance:    Assignment   Merger   Security Agreement   Change of Name   Other New coverpage to correct serial number.	Additional name(s) of conveying party(ies) attached? Yes No	City Santa Clara State CA ZIP 95054
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Merger   Security Agreement   Change of Name   Other New Coverpage to correct serial number.   Execution Date: September 17, 2002	. Nature of Conveyance:	
If this document is being filed together with a new application, the execution date of this application is:  A. Patent Application No.(s)  10/199,473 Filed July 19, 2002  B. Patent No.(s)  Additional numbers attached?  Yes No  Name and address of party to whom correspondence concerning document should be mailed:  Jeffrey C. Hood  Austin State TX ZIP 78767-0398  7. Total fee (37 CFR 3.41):	<ul> <li>Merger</li> <li>Security Agreement</li> <li>Change of Name</li> <li>Other New coverpage to correct serial number.</li> </ul>	
A. Patent Application No.(s)  10/199,473 Filed July 19, 2002  B. Patent No.(s)  Additional numbers attached? Yes No  Name and address of party to whom correspondence concerning document should be mailed:  Iame: Jeffrey C. Hood  Iterral Address: Meyertons, Hood, Kivlin, Kowert & Goetzel, P.C.  Itreet Address: P.O. Box 398  Ity Austin State TX ZIP 78767-0398  7. Total fee (37 CFR 3.41): \$ 40.00  Fee Authorization Form Enclosed  Authorized to be charged to deposit account  8. Deposit account number: 50-1505/5681-31700/ICH  (Attach a duplicate copy of this page if paying by deposit account)  DO NOT USE THIS SPACE  Statement and Signature.  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.  Jeffrey C. Hood  Name of Person Signing  Reg. No. 35,198	. Application number(s) or patent number(s):	
Austin State TX ZIP 78767-0398  7. Total fee (37 CFR 3.41):	If this document is being filed together with a new application, the execution	on date of this application is:
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Concerning document should be mailed:    Austin   State   TX   ZIP 78767-0398	Additional numbers at	tached? Yes No
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treet Address: P.O. Box 398  ity Austin State TX ZIP 78767-0398  7. Total fee (37 CFR 3.41): \$\frac{40.00}{\text{Dathendrization Form Enclosed}}\$ Authorized to be charged to deposit account  8. Deposit account number: 50-1505/5681-31700/JCH (Attach a duplicate copy of this page if paying by deposit account)  DO NOT USE THIS SPACE  Statement and Signature.  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.  Jeffrey C. Hood Name of Person Signing Reg. No. 35,198	lame: Jeffrey C. Hood	
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Jeffrey C. Hood  Name of Person Signing Reg. No. 35,198  Odd No. 35,198  Odd No. 35,198		
Name of Person Signing Signature Date Reg. No. 35,198	To the best of my knowledge and belief, the foregoing information is true a	nd correct and any attached copy is a true copy of the original document.
Name of Person Signing Signature Date Reg. No. 35,198	Jeffrey C. Hood	11 m 6/20/2005
	Name of Person Signing Signature	
	reg. No. 35,198	Total number of pages: 1

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PATENT REEL: 016708 FRAME: 0921

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To the Honorable Comprissioner of Patrints and Trademan	102248	3919 opy thereof.	
Name of conveying party(ies):	3/02	2. Name and address of receiving party	(ies):
Nathaniel David Naegle	,	Name: Sun Microsystems, Inc.	
		Street Address: 4120 Network Circle, N	M/S SCA12-203
Additional name(s) of conveying party(ies) attached? Ye	es Mo	City Santa Clara State CA	ZIP <u>95054</u>
		Additional name(s) & address(es) attach	ned? Yes No
3. Nature of Conveyance:			
Assignment			
Merger Security Agreement			
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Execution Date: September 17, 2002			
Application number(s) or patent number(s):  If this document is being filed together with a new appropriate to the second of the second o		late of this application is:	
A. Patent Application No.(s) 10/199,474 Filed		B. Patent No.(s)	
. A	dditional numbers attach	ned?	
Name and address of party to whom correspondence concerning document should be mailed:		6. Total number of applications and pa	tents involved: 1
Name: Jeffrey C. Hood	· · · · · · · · · · · · · · · · · · ·		
Internal Address: Conley, Rose & Tayon, P.C.			
Street Address: P.O. Box 398			
City <u>Austin</u> State <u>TX</u> ZIP <u>78767-039</u>	8		
		7. Total fee (37 CFR 3.41):	\$ 40.00
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To the best of my knowledge and belief, the foregoing	information is true and	correct and any attached copy is a true co	ppy of the original document.
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Jeffrey C. Hood  Name of Person Signing	Signature		9/26/2012 Date
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01 FC:581 40.00 CH			

PATENT REEL: 016708 FRAME: 0922

## 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 <u>SUN MICROSYSTEMS</u>, <u>INC.</u> (the "Assignee"), a corporation organized and existing under and by virtue of the laws of the State of <u>Delaware</u>, and having its principal place of business at <u>4120 Network Circle</u>, <u>M/S SCA12-203</u>, <u>Santa Clara</u>, <u>CA 95054</u> 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 was filed <u>July 19, 2002</u>, Serial No. <u>10/199,473</u>, and is entitled, <u>SYNTHESIZING A PIXEL CLOCK WITH EXTREMELY CLOSE CHANNEL SPACING</u>, 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 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.

anil Naugle Date: September 17, 2002

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