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FORM PTO-1595 1-31-92

RECORDATION FORM COVER SHEET PATENTS ONLY

U.S. DEPARTMENT OF COMMERCE Patent and Trademark Office

To the Assistant Commissioner for Patents and Trademarks: Please record the attached original documents or copy thereof.

Name of conveying party(ies): 2. Name and address of receiving party(ies): Nicholas Shaylor, Jeffrey M. W. Chan, Gary R. Oblock and Marc Tremblay Name: Sun Microsystems, Inc. Street Address: 901 San Antonio Road Additional name(s) of conveying party(ies) attached? [] Yes [X] No City: State: Zip: Palo Alto, CA 94303 3. Nature of conveyance: Additional name(s) & address(es) attached? [X] Assignment [] Merger [] Yes [X] No [] Security Agreement [] Change of Name [] Other Execution Dates: Feb. 18, 1999 and Feb. 25, 1999 4. Application number(s) or patent number(s): If this document is being filed together with a new application, the execution date of the application is: March 5, 1999 A. Patent Application No.(s): B. Patent No.(s): Additional numbers attached? [] Yes [x] No Total number of applications and patents 5. Name and address of party to whom correspondence concerning 6. document should be mailed: involved: [1] 7. Total fee (37 CFR 3.41)\$40.00 Name: A. Richard Park [X] Enclosed Law Offices of Richard Park] Authorized to be charged to deposit account 399 Sherman Ave. Suite 5 Palo Alto, CA 94306 8. Deposit account number: ___ Attorney Docket No.: SUN-P3380-PJM 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. A. Richard Park Name of Person Signing Date Total number of pages including cover sheet, attachments and document: [5]

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REEL: 9824 FRAME: 0483

JOINT TO CORPORATE ASSIGNMENT

WHEREAS, the undersigned,

SHAYLOR, Nicholas OBLOCK, Gary R.
6167 Potrero Drive 1677 Cornell Dr.
Newark, CA 94560 Mountain View, CA 94040

CHAN, Jeffrey M. W.

1984 Latham St. #10

140 Hanna Way

Manufacin View CA 04040

Manufacin View CA 04040

Mountain View, CA 94040 Menlo Park, CA 94025

hereinafter termed "Inventors", have invented certain new and useful improvements in

SIMPLE HIGH-PERFORMANCE MEMORY MANAGEMENT UNIT

and have executed a declaration or oath for an application for a United States patent disclosing and identifying the invention:

<u>X</u>	On the, 19;					
	Or					
	Said application having Application Number	and filed on the	day of	: and		

WHEREAS, <u>Sun Microsystems</u>, <u>Inc.</u> a corporation of the State of <u>Delaware</u>, having a place of business at <u>901 San Antonio Road</u>, <u>Palo Alto</u>, <u>CA 94303</u>, (hereinafter termed "Assignee"), is desirous of acquiring the entire right, title and interest in and to said application and the invention disclosed therein, and in and to all embodiments of the invention, heretofore conceived, made or discovered jointly or severally by said Inventors (all collectively hereinafter termed "said invention"), and in and to any and all patents, inventor's certificates and other forms of protection (hereinafter termed "patents") thereon granted in the United States and foreign countries.

NOW, THEREFORE, in consideration of good and valuable consideration acknowledged by said Inventors to have been received in full from said Assignee:

- 1. Said Inventors do hereby sell, assign, transfer and convey unto said Assignee the entire right, title and interest (a) in and to said application and said invention; (b) in and to all rights to apply for foreign patents on said invention pursuant to the International Convention for the Protection of Industrial Property or otherwise; (c) in and to any and all applications filed and any and all patents granted on said invention in the United States or any foreign country, including each and every application filed and each and every patent granted on any application which is a divisional, substitution, continuation, or continuation-in-part of any of said applications; and (d) in and to each and every reissue or extensions of any of said patents.
- 2. Said Inventors hereby jointly and severally covenant and agree to cooperate with said Assignee to enable said Assignee to enjoy to the fullest extent the right, title and interest herein conveyed in the

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Attorney Docket No. SUN-P3380-PJM

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PATENT REEL: 9824 FRAME: 0484 United States and foreign countries. Such cooperation by said Inventors shall include prompt production of pertinent facts and documents, giving of testimony, execution of petitions, oaths, specifications, declarations or other papers, and other assistance all to the extent deemed necessary or desirable by said Assignee (a) for perfecting in said Assignee the right, title and interest herein conveyed; (b) for prosecuting any of said applications; (c) for filing and prosecuting substitute, divisional, continuing or additional applications covering said invention; (d) for filing and prosecuting applications for reissuance of any said patents; (e) for interference or other priority proceedings involving said invention; and (f) for legal proceedings involving said invention and any applications therefor and any patents granted thereon, including without limitation reissues and reexaminations, opposition proceedings, cancellation proceedings, priority contests, public use proceedings, infringement actions and court actions; provided, however, that the expense incurred by said Inventors in providing such cooperation shall be paid for by said Assignee.

- 3. The terms and covenants of this assignment shall inure to the benefit of said Assignee, its successors, assigns and other legal representatives, and shall be binding upon said Inventors, their respective heirs, legal representatives and assigns.
- 4. Said Inventors hereby jointly and severally warrant and represent that they have not entered and will not enter into any assignment, contract, or understanding in conflict herewith.

IN WITNESS WHEREOF, said Inventors have executed and delivered this instrument to said Assignee as of the dates written below.

	State of)		
$\Lambda I \subset I \cup I$	County of)		
Nicholas Shaylor	On, 19, be personally appeared	efore me,		
2 18 9 9 Date	personally known to me satisfactory evidence, to be the within instrument and ack the same in his/her authorized on the instrument the person	personally known to me or proved to me on the basis of satisfactory evidence, to be the person whose name is subscribed to the within instrument and acknowledged to me that he/she executed the same in his/her authorized capacity, and that by his/her signature on the instrument the person or the entity upon behalf of which the person acted, executed the instrument.		
	WITNESS my hand and offi	icial seal.		
	(Notary Public)	-		

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	State of)		
Aug .	County of)		
Jeffrey M. W. Chan	personally appeared			
2/18/99 Date	personally known to me or proved to me on the basis of satisfactory evidence, to be the person whose name is subscribed to the within instrument and acknowledged to me that he/she executed the same in his/her authorized capacity, and that by his/her signature on the instrument the person or the entity upon behalf of which the person acted, executed the instrument.			
	WITNESS my hand and official seal.			
	(Notary Public)			
	State of)		
May Obland	County of)		
Gary R. Oblock 7\25/99 Date	On, 19, before me,, personally appeared, personally known to me or proved to me on the basis of satisfactory evidence, to be the person whose name is subscribed to the within instrument and acknowledged to me that he/she executed the same in his/her authorized capacity, and that by his/her signature on the instrument the person or the entity upon behalf of which the person acted, executed the instrument. WITNESS my hand and official seal.			
	(Notary Public)			

/}	State of)	
At Ash	County of))	
Mars Tremblay $\frac{\partial //\partial //gq}{\partial d}$ Date	On, 19, before me,, personally appeared, personally known to me or proved to me on the basis of satisfactory evidence, to be the person whose name is subscribed to the within instrument and acknowledged to me that he/she executed the same in his/her authorized capacity, and that by his/her signature on the instrument the person or the entity upon behalf of which the person acted, executed the instrument.		
	WITNESS my hand and off	icial seal.	
	(Notary Public)		

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PATENT REEL: 9824 FRAME: 0487