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To the Honorable Commissioner of Pata 10345575	I documents or copy thereof.	
Name of conveying party(ies) & Execution Date(s):	2. Name and address of receiving party(ies):	
Abid Ali September 28, 2007	Name: Sun Microsystems, Inc.	
Additional name(s) of conveying party(ies) attached? Yes No	Street Address: 4150 Network Circle	
3. Nature of Conveyance:	City Santa Clara State CA ZIP 95054	
Assignment  Merger  Security Agreement  Change of Name  Other	Additional name(s) & address(es) attached? ☐Yes ☐No	
4. 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)  Serial No. 11/864,579 filed September 28, 2007		
Serial No. 11/864,579 filed September 28, 2007	B. Patent No.(s) ditional numbers attached?  Yes No	
Name and address of party to whom correspondence concerning document should be mailed:	6. Total number of applications & patents involved: 1	
Name: Rory D. Rankin		
Internal Address: Meyertons, Hood, Kivlin, Kowert & Goetzel, P.C.		
Street Address:         P.O. Box 398           City         Austin         State         TX         ZIP 78767-0398	7. Total fee (37 CFR 3.41):	
	Deposit account number: 501505/6000-36800/RDR  (Attach a duplicate copy of this page if paying by deposit account)	
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9. Statement and Signature.  To the best of my knowledge and belief, the foregoing information is tru document.  Rory D. Rankin Name of Person Signing Reg. No. 47,884  Signature	e and correct and any attached copy is a true copy of the original    V   lq   o \ Date   Date   Total number of pages: 3	
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PATENT REEL: 020016 FRAME: 0642

## 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 4150 Network Circle, Santa Clara, CA 95054, 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, <u>BRANCH LOOP PERFORMANCE ENHANCEMENT</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;

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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) Abid Ali

**RECORDED: 10/22/2007** 

Date: 9/28/07

Rory D. Rankin Meyertons, Hood, Kivlin, Kowert & Goetzel, P.C. P.O. Box 398 Austin, TX 78767-0398

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