

11-23-2004

FORM PTO-1595  
1-31-92



U.S. DEPARTMENT OF COMMERCE  
Patent and Trademark Office

102887440

To the Honorable Commissioner of Patents and Trademarks. Please record the attached original documents or copy thereof.

22386 U.S. PTO  
10/989577



111604

11-1-2004

1. Name of conveying party(ies) and execution date(s):  
Robert E. Cypher November 16, 2004  
Additional name(s) of conveying party(ies) attached?  Yes  No

2. Name and address of receiving party(ies):  
Name: Sun Microsystems, Inc.  
Street Address: 4150 Network Circle  
City Santa Clara State CA ZIP 95054  
Additional name(s) & address(es) attached?  Yes  No

3. Nature of Conveyance:  
 Assignment  
 Merger  
 Security Agreement  
 Change of Name  
 Other

4. Application number(s) or patent number(s):  
A. Patent Application No.(s)  
B. Patent No.(s)  
Additional numbers attached?  Yes  No

5. Name and address of party to whom correspondence concerning document should be mailed:  
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

6. Total number of applications and patents involved: 1  
7. Total fee (37 CFR 3.41): .....\$ 40.00  
 Fee Authorization Form Enclosed  
 Authorized to be charged to deposit account  
8. Deposit account number: 501505/5681-72101  
(Attach a duplicate copy of this page if paying by deposit account)

DO NOT USE THIS SPACE

9. 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.*  
Rory D. Rankin November 16, 2004  
Name of Person Signing Signature Date  
Reg. No. 47,884  
Total number of pages: 3

OMB No. 0651-011 (exp.4/94)

11/23/2004 ECUPER 00000014 501505 10988577  
01 FC:8021 40.00 DA

PATENT  
REEL: 015998 FRAME: 0782

**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 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, MEMORY SYSTEM TOPOLOGY, 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;

PATENT  
5681-72101  
SUN040134

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) Robert E. Cypher  
Name: Robert E. Cypher

Date: 11/16/04

Rory D. Rankin  
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