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

1. Name of conveying party(ies):

Michael A. Wasserman  
Michael G. Lavelle  
David C. Kehlet  
Nathaniel David Naegle  
Steven Te-Chun Yu  
Glenn Gracon

Additional name(s) of conveying party(ies) attached?  yes  no

2. Name and address of receiving party(ies):

Name: Sun Microsystems, Inc.

Internal Address: \_\_\_\_\_

Street Address: 901 San Antonio Road

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: August 30, 2001, August 31, 2001 & September 10, 2001

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) 09/861,461

B. Patent No.(s)

Additional numbers attached?  Yes  No

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

Name: B. Noël Kivlin

Internal Address: Conley, Rose & Tayon, 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

- Enclosed
- Fee Authorization Enclosed

8. Deposit account number:  
(Attach a duplicate copy of this page if paying by deposit account)  
501505/5181-81200/BNK

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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.*

B. Noël Kivlin

Name of Person Signing  
Reg. No. 33,929

Signature

9-19-01

Date

Total number of pages: 4

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

10/02/2001 LMUELLER 00000261 501505 09861461

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**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, MULTI-CHANNEL, DEMAND-DRIVEN DISPLAY CONTROLLER (Application No. 09/861,461, 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)  Date: 8/30/01  
Name: MICHAEL A. WASSERMAN

(Signature)  Date: 30 AUG 01  
Name: MICHAEL G. LAVELLE

(Signature)  Date: 8/30/01  
Name: DAVID C. KEHLET

(Signature)  Date: 8/31/01  
Name: NATHANIEL DAVID NAEGLER

(Signature)  Date: 8/30/01  
Name: STEVEN TE-CHUN YU

(Signature) \_\_\_\_\_ Date: \_\_\_\_\_  
Name: GLENN GRACON

Mark K. Brightwell, Patent Agent  
Conley, Rose & Tayon, P.C.  
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(Signature) \_\_\_\_\_ Date: \_\_\_\_\_  
Name: MICHAEL A. WASSERMAN

(Signature) \_\_\_\_\_ Date: \_\_\_\_\_  
Name: MICHAEL G. LAVELLE

(Signature) \_\_\_\_\_ Date: \_\_\_\_\_  
Name: DAVID C. KEHLET

(Signature) \_\_\_\_\_ Date: \_\_\_\_\_  
Name: NATHANIEL DAVID NAEGLE

(Signature) \_\_\_\_\_ Date: \_\_\_\_\_  
Name: STEVEN TE-CHUN YU

(Signature)  \_\_\_\_\_ Date: 7/10/01  
Name: GLENN GRACON

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