RECO	11-09-2004 HEET
To the Honorable Commissioner of P.	102878077 d original documents or copy thereof.
Name of conveying party(ies) Mark Roth	2. Name and address of receiving party(ies) Name: SUN MICROSYSTEMS, INC. Internal Address:
Additional name(s) of conveying party(ies) attached? [] Yes [2]	X] No
3. Nature of conveyance: X] Assignment [] Merger	Street Address: 4150 Network Circle
Security Agreement [] Change of Name Other	City: Santa Clara State: CA ZIP: 95054
Execution Date: October 26, 2004	Additional name(s) & address(es) attached? [] Yes [X] No
4. Application number(s) or patent number(s): If this document is being filed together with a new app A. Patent Application No.(s)	dication, the execution date of the application is: B. Patent No.(s)
4. Application number(s) or patent number(s): If this document is being filed together with a new app A. Patent Application No.(s) Additional Additiona	
Application number(s) or patent number(s): If this document is being filed together with a new app A. Patent Application No.(s) Additional Ad	B. Patent No.(s) onal numbers attached? [] Yes [x] No 6. Total number of applications and patents involved: [1]
Application number(s) or patent number(s): If this document is being filed together with a new app A. Patent Application No.(s) Addition Name and address of party to whom correspondence concerning document should be mailed: Name: David E. Huang, Esq.	B. Patent No.(s)
Application number(s) or patent number(s): If this document is being filed together with a new app A. Patent Application No.(s) Addition Name and address of party to whom correspondence concerning document should be mailed: Name: David E. Huang, Esq. Internal Address: CHAPIN & HUANG, L.L.C.	B. Patent No.(s) Onal numbers attached? [] Yes [x] No 6. Total number of applications and patents involved: [1] 7. Total Fee (37 C.F.R. 3.41)
Application number(s) or patent number(s): If this document is being filed together with a new app A. Patent Application No.(s) Addition Name and address of party to whom correspondence concerning document should be mailed: Name: David E. Huang, Esq. Internal Address: CHAPIN & HUANG, L.L.C.	B. Patent No.(s) Onal numbers attached? [] Yes [x] No 6. Total number of applications and patents involved: [1] 7. Total Fee (37 C.F.R. 3.41)
Application number(s) or patent number(s): If this document is being filed together with a new app A. Patent Application No.(s) Addition Name and address of party to whom correspondence concerning document should be mailed: Name: David E. Huang, Esq. Internal Address: CHAPIN & HUANG, L.L.C. Street Address: Westborough Office Park 1700 West Park Drive	B. Patent No.(s) Onal numbers attached? [] Yes [x] No 6. Total number of applications and patents involved: [1] 7. Total Fee (37 C.F.R. 3.41)
Application number(s) or patent number(s): If this document is being filed together with a new app A. Patent Application No.(s) Addition Name and address of party to whom correspondence concerning document should be mailed: Name: David E. Huang, Esq. Internal Address: CHAPIN & HUANG, L.L.C. Street Address: Westborough Office Park 1700 West Park Drive City: Westborough State: MA ZIP: 01581	B. Patent No.(s) Onal numbers attached? [] Yes [x] No 6. Total number of applications and patents involved: [1] 7. Total Fee (37 C.F.R. 3.41)

11/03/2004 AADOFO1 00000062 10978517 03 FC:8021 40.00 OP Attorney Docket No.: SUN04-34(041223)
Sole

ASSIGNMENT

WHEREAS, I, Mark Roth have invented a certain improvement in METHOD FOR DEVELOPING PLATFORM INDEPENDENT LAUNCHABLE APPLICATIONS described in an application for Letters Patent of the United States, the specification of which:

[X]	is being executed on even date herewith and is about to be filed in the United States Patent Office;
[]	was filed on as Application No;
[]	was patented under U.S. Patent Noon

WHEREAS, SUN MICROSYSTEMS, INC. (hereinafter "ASSIGNEE"), a corporation organized and existing under the laws of Delaware and having a usual place of business at 4150 Network Circle, Santa Clara, California 95054 desires to acquire an interest therein in accordance with agreements duly entered into with me;

NOW, THEREFORE, to all whom it may concern be it known that for and in consideration of said agreements and of other good and valuable consideration, the receipt of which is hereby acknowledged, I have sold, assigned and transferred and by these presents do hereby sell, assign and transfer unto said ASSIGNEE, its successors, assigns and legal representatives, the entire right, title and interest in and throughout the United States of America, its territories and all foreign countries. in and to said invention as described in said application, together with the entire right, title and interest in and to said application and such Letters Patent as may issue thereon; said invention, application and Letters Patent to be held and enjoyed by said ASSIGNEE for its own use and behalf and for its successors, assigns and legal representatives, to the full end of the term for which said Letters Patent may be granted as fully and entirely as the same would have been held by me had this assignment and sale not been made; I hereby convey all rights arising under or pursuant to any and all international agreements, treaties or laws relating to the protection of industrial property by filing any such applications for Letters Patent. I hereby acknowledge that this assignment, being of the entire right, title and interest in and to said invention, carries with it the right in ASSIGNEE to apply for and obtain from competent authorities in all countries of the world any and all Letters Patent by attorneys and agents of ASSIGNEE's selection and the right to procure the grant of all such Letters Patent to ASSIGNEE for its own name as assignee of the entire right, title and interest therein;

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AND, I hereby further agree for myself and my executors and administrators to execute upon request any other lawful documents and likewise to perform any other lawful acts which may be deemed necessary to secure fully the aforesaid invention to said ASSIGNEE, its successors, assigns and legal representatives, but at its or their expense and charges, including the execution of applications for patents in foreign countries, and the execution of substitution, reissue, divisional or continuation applications and preliminary or other statements and the giving of testimony in any interference or other proceeding in which said invention or any application or patent directed thereto may be involved;

AND, I do hereby authorize and request the Commissioner of Patents of the United States to issue such Letters Patent as shall be granted upon said application or applications based thereon to said ASSIGNEE, its successors, assigns, and legal representatives.

IN TESTIMONY WHEREOF, I have hereunto set my hand and the date set forth below.

Inventor:

RECORDED: 11/01/2004

Mark Roth

Date: 10-26-2004

PATENT REEL: 015952 FRAME: 0175