ASSIGNMENT R

To: Honorable Commissioner of Patents a

03-18-2004



102697503

Please record the attached original document or copy thereof.

| 1. | Names of conveying parties: | | | |
|--|--|--|--|--|
| | a) Udayakumar Cholleti | | | |
| | b) Michael T. Clayton | | | |
| | c) Anthony G. Sumpter | | | |
| 2. | Name and address of receiving party: | | | |
| | a) Name: Sun Microsystems, Inc. | | | |
| | b) Address: 4150 Network Circle, Santa Clara, California 95054 | | | |
| 3. | Nature of conveyance | | | |
| | Assignment | | | |
| | Security Agreement Change of Name Other License Agreement | | | |
| | | | | |
| | Execution Date: March 10, 2004 10798174 | | | |
| 4. Application Number or Patent Number: Not yet assigned | | | | |
| | The title of the new application is: PHYSICAL ADDRESS MAPPING FRAMEWORK | | | |
| | The title of the new application is. THI SICAL ADDRESS MAIT ING FRAME WORK | | | |
| 5. | Please send all correspondence concerning this document to: | | | |
| 004 HLE3 | 133 00000003 10798174 Feb R. Cabrasawan | | | |
| 021 | 40.00 MARTINE & PENILLA, LLP | | | |
| | / 710 Lakeway Drive, Suite 170 | | | |
| | Sunnyvale, CA 94085 Customer Number 32291 | | | |
| | Tel. No. (408) 749-6900 | | | |
| | Fax No.: (408) 749-6901 | | | |
| 6. | Total number of applications and patents involved: 1 | | | |
| 0. | Total number of applications and patents involved: 1 | | | |
| 7. | Total fee (37 CFR 3.41): \$40.00 | | | |
| | Enclosed | | | |
| | The Commissioner is authorized to charge any deficiencies to Deposit Account No. 50-0805(Order No. SUNMP399). | | | |
| _ | | | | |
| 8. | 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. | | | |
| | $2a \times 2a \times$ | | | |
| Date: | March 10, 2004 | | | |
| Date. | Feb Cabrasawan | | | |
| | Registration No. 51,521 | | | |

Attorney Docket No. SUNMP399/SUN040552/ACF

(Revised 01/96)

ASSIGNMENT OF PATENT APPLICATION

(Accompanying Application)

Whereas I/we the undersigned inventor(s) have invented certain new and useful improvements as set forth in the patent application entitled:

PHYSICAL ADDRESS MAPPING FRAMEWORK

(Atty. Docket No: <u>SUNMP399</u>) for which I/we have executed an application for a United States Letters Patent.

For good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, I/we the undersigned inventor(s) hereby:

- Sell, assign and transfer to <u>Sun Microsystems</u>, <u>Inc.</u>, a Delaware corporation having a place of business at 4150 Network Circle, Santa Clara CA 95054, (hereinafter referred to as "ASSIGNEE"), the entire right title and interest in any and all improvements and inventions disclosed in, application based upon, and Patent (including foreign patents) granted upon the information which is disclosed in the above referenced application.
- 2) Authorize and request the Commissioner of Patents to issue any and all Letters Patents resulting from said application or any division, continuation, substitute or reissue thereof to the ASSIGNEE.
- 3) Agree to execute all papers and documents and, entirely at the ASSIGNEE's expense, perform any acts which are reasonably necessary in connection with the prosecution of said application, as well as any derivative and applications thereof, foreign applications based thereon, and/or the enforcement of patents resulting from such applications.
- 4) Agree that the terms, covenants and conditions of this assignment shall inure to the benefit of the Assignee, its successors, assigns and other legal representative, and shall be binding upon the inventors, as well as the inventor's heirs, legal representatives and assigns.
- 5) Warrant and represent that I/we have not entered, and will not enter into any assignment, contract, or understanding that conflicts with this assignment.

Signed on the date indicated beside my/our signature(s):

| 1) | Signature: Typed Name: | Udayakumar Cholleti | Date: | March 10, 2004 |
|----|---------------------------|---------------------|-------|----------------|
| 2) | Signature: Typed Name: | Michael T. Clayton | Date: | |
| 3) | Signature: Typed Name: | Anthony G. Sumpter | Date: | |

Attorney Docket No. SUNMP399/SUN040552/ACF

PATENT REEL: 015086 FRAME: 0515

ASSIGNMENT OF PATENT APPLICATION

(Accompanying Application)

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PHYSICAL ADDRESS MAPPING FRAMEWORK

(Atty. Docket No: <u>SUNMP399</u>) for which I/we have executed an application for a United States Letters Patent.

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- 5) Warrant and represent that I/we have not entered, and will not enter into any assignment, contract, or understanding that conflicts with this assignment.

Signed on the date indicated beside my/our signature(s):

| oed Name: | Udayakumar Cholleti | 1 . |
|-----------|---------------------------------|------------------------------|
| nature: | m. The Colo | Date: 3/10/04 |
| nature: | Anthony G Summer | Date: |
| | nature: ped Name: mature: | ped Name: Michael T. Clayton |

Attorney Docket No. SUNMP399/SUN040552/ACF

PATENT REEL: 015086 FRAME: 0516

ASSIGNMENT OF PATENT APPLICATION

(Accompanying Application)

Whereas I/we the undersigned inventor(s) have invented certain new and useful improvements as set forth in the patent application entitled:

PHYSICAL ADDRESS MAPPING FRAMEWORK

(Atty. Docket No: <u>SUNMP399</u>) for which I/we have executed an application for a United States Letters Patent.

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Signed on the date indicated beside my/our signature(s):

| 1) | Signature: Typed Name: | | Date: | |
|----|---------------------------|---------------------|-------|---------------|
| -, | | Udayakumar Cholleti | | |
| 2) | Signature: Typed Name: | Michael T. Clayton | Date: | |
| 3) | Signature: Typed Name: | Anthony G. Sumpter | Date: | March 10,2004 |

Attorney Docket No. SUNMP399/SUN040552/ACF

RECORDED: 03/10/2004

PATENT REEL: 015086 FRAME: 0517