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Patent and Trademark Office

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U.S. DEPARTMENT OF COMMERCE

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| To the Honorable Commissioner of Patents and Trademarks: | Please record the attached original documents or copy thereof. |
| 1. Name of conveying party(ies): | 2. Name and address of receiving party(ies): Name: SUN MICROSYSTEMS, INC. |
| Additional names(s) of conveying party(ies) | 400 E0 |
| 3. Nature of conveyance: | - |
| ☑ Assignment ☐ Merger | Street Address: 901 San Antonio Road |
| ☐ Security Agreement ☐ Change of Name | MS PAL01-521 |
| ☐ Other | City: Palo Alto State: CA ZIP: 94303 |
| Execution Date: <u>08/23/2000</u> | Additional name(s) & address(es) attached? Yes No |
| 4. Application number(s) or registration numbers(s): $09/6$ | 51911 |
| If this document is being filed together with a new application, | the execution date of the application is: 08/23/2000 |
| A. Patent Application No.(s) | B. Patent No.(s) |
| 5. Name and address of party to whom correspondence concerning document should be mailed: | hed? |
| Name: Jonathan P. Osha | 7. Total fee (37 CFR 3.41):\$ 40.00 |
| Internal Address: ROSENTHAL & OSHA L.L.P. 99/21/2000 GTON11 00000044 09651911 | Enclosed - Any excess or insufficiency should be credited or debited to deposit account |
| 1 FC:581 40.00 DF | ☐ Authorized to be charged to deposit account |
| Street Address: 700 Louisiana Street Suite 4550 | 8. Deposit account number: |
| Ov. Haveten Ov. TV 710 77002 | 50-0591 |
| City: Houston State: TX ZIP: 77002 | |
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| 9. Statement and signature. To the best of my knowledge and belief, the foregoing information of the original document. | |
| Jonathan P. Osha, Reg. No. 33,986 | August 30, 2000 |
| Name of Person Signing Total number of pages including cover sh | Signature eet, attachments, and document: PATENT |
| | I A I LIVI |

Assignment – Worldwide

For good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, the undersigned individual(s) (referred to herein as the "INVENTOR(S)") hereby assign, transfer, and set over to:

SUN MICROSYSTEMS, INC.

having the following address:

901 San Antonio Road, MS PAL01-521 Palo Alto, California 94303

(referred to herein as "COMPANY"), its successors, and assigns, the entire right, title, and interest, worldwide, in and to the invention known by the following title:

IMPROVED METHOD AND APPARATUS FOR NETWORK PRINTING

for which the undersigned has/have executed an application for patent in the United States of America on this same day, together with said patent application, all divisions, continuations, continuations-in-part, reissues, and extensions thereof, and all Letters Patent (domestic and foreign) which may be granted therefor. Such interest represents the entire ownership of said applications and Letters Patent when granted and is to be owned by COMPANY, its successors, and assigns, or their legal representatives, for the full and entire term for which such Letters Patent may be granted or extended, as fully and entirely as the same would have been enjoyed by the INVENTOR(S) if this assignment had not been made.

In addition, the undersigned INVENTOR(S) each hereby agrees:

- To sign and execute any further documents which may be necessary or desirable, lawful, and proper in connection with the prosecution of all applications for patent(s) on the INVENTION in the United States, including without limitation said application and all divisions, continuations, continuations-in-part, amendments thereof, and all interference proceedings associated therewith, or otherwise necessary or desirable to secure the title thereto to COMPANY;
- 2. To execute all papers and documents and to perform all lawful acts which may be necessary in connection with claims to priority or otherwise under the International Convention for the Protection of Industrial Property or similar treaties or agreements;
- 3. To perform all lawful affirmative acts which may be necessary to obtain the grant of a valid and enforceable patent to COMPANY;

The undersigned INVENTOR(S) each hereby authorizes and requests the Commissioner of Patents and Trademarks in the United States to issue any and all Letters Patent resulting from said application, including without limitation any division, continuation, continuation-in-part, or reissue thereof to COMPANY.

ROSENTHAL & OSHA L.L.P.

PATENT REEL: 011081 FRAME: 0495 The undersigned INVENTOR(S) each hereby grants to the firm of ROSENTHAL & OSHA L.L.P. the power to insert on this Assignment any further identification which may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for the recordation of this document.

IN WITNESS WHEREOF, this Assignment has been executed by each of the undersigned individuals on the date appearing by such individual's signature:

| 09 23 2000 Date | Signature: Pankaj KHANDELWAL | |
|--------------------|--------------------------------|---|
| Date | Signature: Print or Type Name: | |
| Date | Signature: Print or Type Name: | |
| Date | Signature: Print or Type Name: | 4-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1 |
| Date | Signature:Print or Type Name: | |

When this Assignment is <u>not</u> filed concurrently with the patent application, the following identifying information may be added <u>after</u> execution:

U.S. Application Serial No.:

RECORDED: 08/30/2000

Filing Date:

ROSENTHAL & OSHA L.L.P.

PATENT REEL: 011081 FRAME: 0496