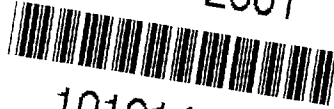


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3503 U.S. PTO
10/003212
10/31/01

TO: The Commissioner of Patents and Trademarks: Please record the attached original document(s) or cop(ies).

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Conveyance Type

Assignment **Security Agreement**

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Name (line1) **MUSANTE, Mark J.** 10 23 2001

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Name (line1) **MANDAL, Chhandomay** 10 23 2001

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Address (line 2)

Address (line 3) **Palo Alto** **California** **94303**
City State/Country Zip Code

Domestic Representative Name and Address Enter for the first Receiving Party only.

Name

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Name (line1) **NEWMAN, Howard A.**

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Month Day Year
10232001

Name (line2)

Name (line1) **WAGENER, Peter J.**

Execution Date
Month Day Year
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Name (line2)

Name (line1) **GOOSEY, Melora L.**

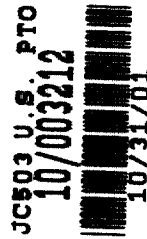
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Month Day Year
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Name (line2)

Name (line1) **POKIGO, Robert A.**

Execution Date
Month Day Year
10/23/01

Name (line2)



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City

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Application Number(s) or Patent Number(s)

Mark if additional numbers attached

Enter either the Patent Application Number or the Patent Number (DO NOT ENTER BOTH numbers for the same property).

Patent Application Number(s)

Patent Number(s)

Correspondent Name and Address

Area Code and Telephone Number (617) 367-4600

Name Paul E. Kudirka, Esq.

Address (line 1) Kudirka & Jobse, LLP

Address (line 2) One State Street

Address (line 3) Suite 1510

Address (line 4) Boston, MA 02109

Pages Enter the total number of pages of the attached conveyance document including any attachments.

3

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Patent Application Number(s)

Patent Number(s)

If this document is being filed together with a new Patent Application, enter the date the patent application was signed by the first named executing inventor.

Month Day Year
10 23 2001

Patent Cooperation Treaty (PCT)

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only if a U.S. Application Number	PCT	PCT	PCT
Has not been assigned.			

Number of Properties

Enter the total number of properties involved. # 1

Fee Amount

Fee Amount for Properties Listed (37 CFR 3.41): \$40.00

Method of Payment: Enclosed Deposit Account

Deposit Account (Enter for payment by deposit account or if additional fees can be charged to the account.)

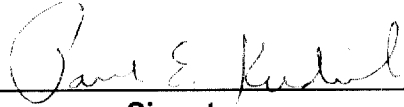
Deposit Account Number: # 02-3038

Authorization to charge additional fees: Yes No

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. Charges to deposit account are authorized, as indicated herein.

Paul E. Kudirka
Name of Person Signing


Signature

10/31/01
Date

Whereas we, the undersigned, have made certain inventions or discoveries (or both) set forth in an application for Letters Patent of the United States of America entitled,

METHOD AND APPARATUS FOR DISCOVERING DATA SERVICES IN A DISTRIBUTED COMPUTER SYSTEM,

identified by Kudirka & Jobse, LLP, Docket No. P5974, which application was executed by us on the date(s) indicated below, and

Whereas SUN MICROSYSTEMS, INC., a Delaware corporation having a place of business at 901 San Antonio Road, Palo Alto, CA 94303, which, together with its successors and assigns, is hereinafter called "Assignee," is desirous of acquiring the title, rights, benefits and privileges hereinafter recited;

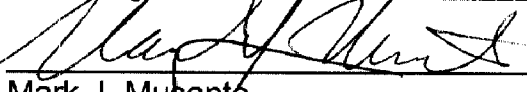
Now, therefore, for valuable consideration furnished by Assignee to us, receipt and sufficiency of which is hereby acknowledged, we do hereby, without reservation:

1. Assign, transfer and convey to Assignee the entire right, title and interest in and to said inventions and discoveries, said application for Letters Patent of the United States of America, any and all other applications for Letters Patent on said inventions and discoveries in whatsoever countries, including all divisional, renewal, substitute, continuation, Convention and non-Convention applications based in whole or in part upon said inventions or discoveries, or upon said applications, and any and all Letters Patent, reissues, reexaminations, and extensions of Letters Patent granted for said inventions and discoveries or upon said applications, and every priority right that is or may be predicated upon or arise from said inventions, said discoveries, said applications and said Letters Patent;
2. Authorize Assignee to file patent applications in any or all countries on any or all of said inventions and discoveries in our names or in the name of Assignee or otherwise as Assignee may deem advisable, under the International Convention or otherwise;
3. Authorize and request the Commissioner of Patents and Trademarks of the United States of America and the empowered officials of all other governments to issue or transfer all said Letters Patent to Assignee, as assignee of the entire right, title and interest therein or otherwise as Assignee may direct;
4. Warrant that we have not knowingly conveyed to others any right in said inventions, discoveries, applications or patents or any license to use the same or to make, use or sell anything embodying or utilizing any of said inventions or discoveries; and that we have good right to assign the same to Assignee without encumbrance;

5. Bind our heirs, legal representatives and assigns, as well as ourselves, to do, upon Assignee's request and at Assignee's expense, but without additional consideration to us or them, all acts reasonably serving to assure that the said inventions and discoveries, the said patent applications and the said Letters Patent shall be held and enjoyed by Assignee as fully and entirely as the same could have been held and enjoyed by our heirs, legal representatives and assigns if this assignment had not been made; and particularly to execute and deliver to Assignee all lawful application documents including petitions, specifications, and oaths, and all assignments, disclaimers, and lawful affidavits in form and substance as may be requested by Assignee; to communicate to Assignee all facts known to us relating to said inventions and discoveries or the history thereof; and to furnish Assignee with any and all documents, photographs, models, samples and other physical exhibits in our control or in the control of our heirs, legal representatives or assigns which may be useful for establishing the facts of our conceptions, disclosures, and reduction to practice of said inventions and discoveries.

In testimony of which we have executed this Assignment of Patent Application on the date indicated next to our names.

Date I signed the declaration: 23. OCT. 2001.



Mark J. Musante
3 Lucille Avenue, Westford, MA 01886

Today's Date: 23. OCT. 2001

Date I signed the declaration: 10/23/2001.



Chhandomay Mandal
One Bittersweet Road, Apt #21, Nashua, NH 03060

Today's Date: 10/23/2001

Date I signed the declaration: 10-23-01



Howard A. Newman
12 Florence Avenue, Arlington, MA 02476

Today's Date: 10-23-01



Additional assignor name sheets attached.

ASSIGNMENT - SUPPLEMENTAL ASSIGNOR SHEET

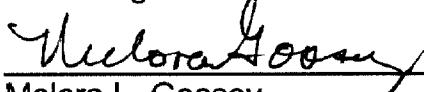
Date I Signed the declaration: Oct. 29, 2001



Date: Oct. 29, 2001

Peter J. Wagener
125 Orchard Street, #3, Somerville, MA 02144

Date I Signed the declaration: Oct. 23, 2001



Date: 10/23/2001

Melora L. Goosey
77 Harold Parker Road, Andover, MA 01810

Date I Signed the declaration: 10/23/01



Date: 10/23/01

Roberta A. Pokigo
158 Concord Street, C8, Billerica, MA 01821