

01/28/02 R

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al documents or copy thereof.

To the Honorable Commissioner of Patents and T

1. Name of conveying party(ies):

Zhaoyun Xing
Russell Kao

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

Name: Sun Microsystems, Inc.
Internal Address: M/S: UPAL01-521
Street Address: 901 San Antonio Road
City: Palo Alto State: CA ZIP: 94303
Additional name(s) & address(es) attached? Yes No

Additional name(s) of conveying party(ies) attached?

Yes No

3. Nature of Conveyance:

Assignment Merger
 Security Agreement Change of Name
 Other _____

Execution Date: Jan. 11, 2002, Jan. 25, 2002

4. Application number(s) or patent number(s):

If this document is being filed together with a new application, the execution date of the application is: 1/11/02, 1/25/02

A. Patent Application No.:

B. Patent No.:

10/058550

Additional numbers attached? Yes No

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

Name: Michael P. Noonan
Internal Address: Zagorin, O'Brien & Graham, L.L.P.
Street Address: 401 West 15th Street, Suite 870
City: AUSTIN State: TX ZIP: 78701

6. Total number of applications and patents involved: 1

(02/04/2002 66E8F8E8I 00000044 10058550
04 FC:581 40.00 OF)

7. Total Fee (37 CFR 3.41):

\$ 40.00

A check is enclosed for the Total Fee shown above
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8. 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.

Michael P. Noonan, Reg. No. 42,038
Name of Person Signing

Signature

January 28, 2002
Date

Total number of pages including cover sheet: 5

Express Mail Label No.: EL684226413US

PATENT
REEL: 012540 FRAME: 0747

ASSIGNMENT OF INVENTION

For good and valuable consideration, the receipt of which is hereby acknowledged,
I, an ASSIGNOR named below,

Zhaoyun Xing of San Jose, CA
Russell Kao of Portola Valley, CA

hereby sell, assign and transfer to

ASSIGNEE: Sun Microsystems, Inc., a Delaware corporation, having a principal
place of business at 901 San Antonio RD, M/S: PAL01-521, Palo
Alto, CA 94303,

its successors, assigns and legal representatives, my entire right, title and interest throughout
the world, including all rights to claim priority, in and to the invention(s) disclosed in:

- U.S. Patent Application executed on or about the date of this Assignment,
 U.S. Patent Application executed on _____, or
 U.S. Provisional Application
 U.S. Application No.: _____, filed on _____
 International Application No.: PCT/_____, filed on _____

ENTITLED: A 2.5-D GRAPH FOR MULTI-LAYER ROUTING, and
naming as

INVENTOR(S): Zhaoyun Xing and Russell Kao

including without limitation, my entire right, title and interest in and to any and all United
States and foreign applications (including international, regional and foreign national
applications) for said invention(s), including divisions, continuations, continuations-in-part,
renewals, substitutes and extensions thereof, and in and to any and all patents of every
country or region that may be granted or have been granted for said invention(s), including
any reissues and reexaminations thereof.

To comply with 37 C.F.R. § 3.21 for recording this Assignment, I authorize and request that
the application number and filing date be inserted here, if not already shown above,
(_____/_____, filed _____) when they become known.


I authorize ASSIGNEE to apply for patents of foreign countries for said invention(s), and to
claim all rights of priority without further authorization from me.

I agree to execute any and all papers useful in connection with any and all United States and
foreign applications (including international, regional, and foreign national applications), and
generally to do everything possible to aid ASSIGNEE, its successors, assigns and nominees,
at their request and reasonable expense, in obtaining and enforcing patents for said
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I hereby covenant that no assignment, sale, license, agreement, or encumbrance has been or
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I authorize and request the Commissioner of Patents and Trademarks to issue any U.S.
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ASSIGNMENT OF INVENTION

Executed on 1/11, 2002 by 
Zhaoyun Xing

Executed on _____, 200__ by _____
Russell Kao

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- U.S. Patent Application executed on _____, or
- U.S. Provisional Application
- U.S. Application No.: _____, filed on _____
- International Application No.: PC/I _____, filed on _____

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ASSIGNMENT OF INVENTION

Executed on _____, 200__ by _____
Zhaoyun Xing

Executed on 25 Jan, 2002 by Russell Kao
Russell Kao