

12/30/05

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U.S. DEPARTMENT OF COMMERCE
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To the Honorable Commissioner of Patents and T

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al documents or copy thereof.

1. Name of conveying party(ies):

Simon Doherty
Mark S. Moir
Victor M. Luchangco

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

☐ Yes ☒ No

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

Name: Sun Microsystems, Inc.

Internal Address: _____

Street Address: 4150 Network CircleCity/State/Zip: Santa Clara, CA 95054Additional name(s) & address(es) attached? ☐ Yes ☒ No

3. Nature of Conveyance:

- ☒ Assignment ☐ Merger
☐ Security Agreement ☐ Change of Name
☐ Other: _____

Execution Date(s): (a) December 20, 2004; (b) December 17, 2004;
(c) December 15, 2004

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: (a) December 20, 2004; (b)
December 17, 2004; (c) December 15, 2004

A. Patent Application No.:

B. Patent No.:

Additional numbers attached? ☐ Yes ☒ No

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

Name: David W. O'Brien
Internal Address: Zagorin, O'Brien & Graham, L.L.P.
Street Address: 7600B N. Capital of Texas Hwy, Suite 350
City/State/Zip: Austin, TX 787316. Total number of applications and patents involved: 17. Total Fee (37 CFR 3.41): \$ 40.00

- ☒ A check is enclosed for the Total Fee shown above
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Deposit Account 50-0631
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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.*David W. O'Brien, Reg. No. 40,107
Name of Person Signing

Signature

Date

30-Dec-04

Total number of pages including cover sheet: 7CERTIFICATE OF TRANSMISSION: I hereby certify that, on the date shown below,
this correspondence is being facsimile transmitted to the US Patent and Trademark Office.

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PATENT
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ASSIGNMENT OF INVENTION

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

Simon Doherty of London, England
Mark S. Moir of Hampton, NH
Victor M. Luchangco of Cambridge, MA
Maurice P. Herlihy of Cambridge, England

hereby sell, assign and transfer to

ASSIGNEE: Sun Microsystems, Inc., a Delaware corporation, having a principal
place of business at 4150 Network Circle, Santa Clara, CA 95054,

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 SPACE-ADAPTIVE LOCK-FREE FREE-LIST USING
POINTER-SIZED SINGLE-TARGET SYNCHRONIZATION,**
and naming as

INVENTOR(S): Simon Doherty, Mark Moir, Victor Luchangco and Maurice P.
Herlihy

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
invention(s) in all countries.

I hereby covenant that no assignment, sale, license, agreement, or encumbrance has been or
will be made or entered into that would conflict with this Assignment.

ASSIGNMENT OF INVENTION

I authorize and request the Commissioner of Patents and Trademarks to issue any U.S. Letters Patent that may be granted for said invention(s) to ASSIGNEE, its successors or assigns.

Executed on 20/12, 2004 by 
Simon Doherty

Executed on _____, 200__ by _____
Mark S. Moir

Executed on _____, 200__ by _____
Victor M. Luchangco

Executed on _____, 200__ by _____
Maurice P. Herlihy

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Executed on 12/17, 2004 by 
Mark S. Moir

Executed on _____, 200__ by _____
Victor M. Luchangco

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Maurice P. Herlihy

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Executed on _____, 200__ by _____,
Simon Doherty

Executed on _____, 200__ by _____,
Mark S. Moir

Executed on 15 Dec, 2004 by Victor M. Luchangco,
Victor M. Luchangco

Executed on _____, 200__ by _____,
Maurice P. Herlihy