

PATENT ASSIGNMENT

Electronic Version v1.1
 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
Juergen Biener	10/01/2008
Monika M. Biener	10/02/2008
Alex V. Hamza	10/01/2008
Marcus Baeumer	11/02/2008
Arne Wittstock	11/25/2008
Joerg Weissmueller	10/07/2008
Dominik Kramer	11/02/2008
Raghavan Nadar Viswanath	10/08/2008

RECEIVING PARTY DATA

Name:	Lawrence Livermore National Security, LLC
Street Address:	7000 East Avenue
Internal Address:	L-703
City:	Livermore
State/Country:	CALIFORNIA
Postal Code:	94550

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	12249630

CORRESPONDENCE DATA

Fax Number: (925)423-2231
Correspondence will be sent via US Mail when the fax attempt is unsuccessful.
Phone: 925 422 7273
Email: lee19@llnl.gov
Correspondent Name: LLNL/Zilka-Kotab John H. Lee, Assistant
Address Line 1: Lawrence Livermore National Laboratory
Address Line 2: L-703, P.O. Box 808

CH \$40.00 12249630

Address Line 4: Livermore, CALIFORNIA 94551

ATTORNEY DOCKET NUMBER:

IL-11917

NAME OF SUBMITTER:

John H. Lee

Total Attachments: 3

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RECORDATION FORM COVER SHEET PATENTS ONLY

To the Director of the U.S. Patent and Trademark Office: Please record the attached documents or the new address(es) below.

1. Name of conveying party(ies)

Juergen Biener Joerg Weissmueller
Monika M. Biener Dominik Kramer
Alex V. Hamza Raghavan Nadar Viswanath
Marcus Baeumer
Arne Wittstock

Additional name(s) of conveying party(ies) attached? Yes No

2. Name and address of receiving party(ies)

Name: Lawrence Livermore National Security, LLC

Internal Address: L-703

Street Address: 7000 East Avenue

City: Livermore

State: CA

Country: USA Zip: 94550

Additional name(s) & address(es) attached? Yes No

3. Nature of conveyance/Execution Date(s):

Execution Date(s) 11/25/08

- Assignment Merger
 Security Agreement Change of Name
 Joint Research Agreement
 Government Interest Assignment
 Executive Order 9424, Confirmatory License
 Other _____

4. Application or patent number(s):

This document is being filed together with a new application.
A. Patent Application No.(s) B. Patent No.(s)

A. Patent Application No.(s)

12/249,630 filed 10/10/2008

Additional numbers attached? Yes No

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

Name: John H. Lee/LLNS

Internal Address: L-703

Street Address: 7000 East Avenue

City: Livermore

State: CA Zip 94551

Phone Number: 925-422-7073

Fax Number: 725/423-2231

Email Address: nugent8@llnl.gov

6. Total number of applications and patents involved: 1**7. Total fee (37 CFR 1.21(h) & 3.41) \$**40.00

- Authorized to be charged to deposit account
 Enclosed
 None required (government interest not affecting title)

8. Payment Information

Deposit Account Number 120695

Authorized User Name Wanda Nugent

9. Signature:

/John H. Lee #53,193/

01/06/09

Signature

Date

John H. Lee

Name of Person Signing

Total number of pages including cover sheet, attachments, and documents:

ASSIGNMENT

LLNL Case No.: IL-11917

For good and valuable consideration the receipt of which is hereby acknowledged ASSIGNOR(s)

- | | |
|-----------------------------------|---|
| 1. <u>Juergen Biener (German)</u> | 2. <u>Monika Biener (German)</u> |
| 3. <u>Alex V. Hamza (USA)</u> | 4. <u>Marcus Baeumer (German)</u> |
| 5. <u>Arne Wittstock (German)</u> | 6. <u>Joerg Weissmueller (German)</u> |
| 7. <u>Dominik Kramer (German)</u> | 8. <u>Raghavan Nadar Viswanath (Indian)</u> |
| 9. _____ | 10. _____ |

hereby sells, assigns and transfers to ASSIGNEE, Lawrence Livermore National Security, LLC, a Delaware Corporation, having its administrative offices located at Sunset Plaza Building C, 1658 Holmes St., Livermore, CA 94551 and the successors, assigns and legal representative of the ASSIGNEE all of its right, title and interest for the United States and its territorial possessions and in all foreign countries in and to, any and all improvements which are disclosed in the invention entitled:

ACTUATION VIA SURFACE CHEMISTRY INDUCED SURFACE STRESS

and which is found in

- U.S. patent application executed on 11-25-08, entitled as above and listing the above named persons as inventors
- U.S. patent application serial no. 12/249630, filed on 10/10/08
- U. S. patent no. _____, issued _____

and any legal equivalent thereof in a foreign country, including the right to claim priority and, in and to, all Letters Patent to be obtained for said invention by the above application or any continuation, division, continuation-in-part, extension or substitute thereof, and any reissue, reexamination or extension of said Letters Patent and all rights under all International Conventions for the Protection of Industrial Property;

ASSIGNOR(S) hereby covenants that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this assignment;

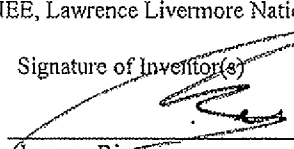
ASSIGNOR(S) further covenants that ASSIGNEE will, upon its request, be provided promptly with all pertinent facts and documents relating to said invention and said Letters Patent and legal equivalents as may be known and accessible to ASSIGNOR and will testify as to the same in any interference, litigation, or proceeding relating thereto and will promptly execute and deliver to ASSIGNEE or its legal representative any and all papers, instruments or affidavits required to apply for, obtain, maintain, issue or enforce said application, said invention and said Letters Patent and said equivalents thereof which may be necessary or desirable to carry out the purposes thereof. An attorney of record is authorized and requested by the execution of this assignment to insert into this assignment the filing date and serial number of said application when officially known.

AND the ASSIGNOR(S) requests the Commissioner of Patents and Trademarks to issue said Letters Patent of the United States and any reissue or extension thereof to the ASSIGNEE, Lawrence Livermore National Security, LLC.

executed this

10/11/2008
Date

Signature of Inventor(s)



Juergen Biener

executed this

10/2/2008

Date

Signature of Inventor(s)



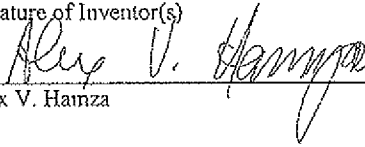
Monika M. Biener

executed this

10/1/08

Date

Signature of Inventor(s)



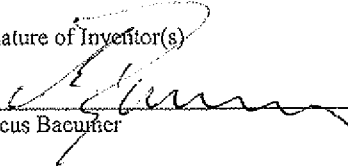
Alex V. Hainza

executed this

2-11-08

Date

Signature of Inventor(s)



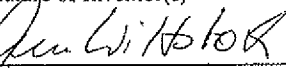
Marcus Bacumfer

executed this

11/25/08

Date

Signature of Inventor(s)



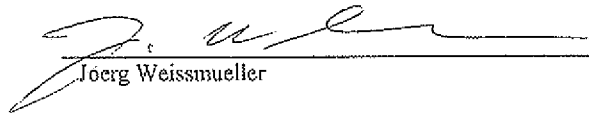
Arne Witstock

executed this

07.10.2008

Date

Signature of Inventor(s)




Joerg Weissmueller

executed this

02.11.2008

Date

Signature of Inventor(s)



Dominik Kramer

executed this

08-10-2008

Date

Signature of Inventor(s)



Raghavan Nadar Viswanath