

PATENT ASSIGNMENT

Electronic Version v1.1
 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
Albert Loui	08/02/2010
Selim Elhadj	08/02/2010
Scott K. McCall	08/03/2010

RECEIVING PARTY DATA

Name:	Lawrence Livermore National Security, LLC (LLNS)
Street Address:	7000 East Avenue
Internal Address:	Mail Stop L-703
City:	Livermore
State/Country:	CALIFORNIA
Postal Code:	94551

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	12852416

CORRESPONDENCE DATA

Fax Number: (925)423-2231
Correspondence will be sent via US Mail when the fax attempt is unsuccessful.
 Phone: 925-422-7272
 Email: masluk1@llnl.gov
 Correspondent Name: Mark H. Lough
 Address Line 1: 7000 East Avenue
 Address Line 4: Livermore, CALIFORNIA 94551

ATTORNEY DOCKET NUMBER:	IL-12182
NAME OF SUBMITTER:	John H. Lee

Total Attachments: 3
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**PATENT
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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) 1. Albert Loui 2. Selim Elhadj 3. Scott K. McCall Additional name(s) of conveying party(ies) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	2. Name and address of receiving party(ies) Name: <u>Lawrence Livermore National Security, LLC (LLNS)</u> Internal Address: <u>P.O. Box 808, L-703</u> Street Address: <u>7000 East Avenue</u> City: <u>Livermore</u> State: <u>CA</u> Country: <u>USA</u> Zip: <u>94551</u> Additional name(s) & address(es) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
3. Nature of conveyance/Execution Date(s): Execution Date(s) <u>8-3-2010</u> <input checked="" type="checkbox"/> Assignment <input type="checkbox"/> Merger <input type="checkbox"/> Security Agreement <input type="checkbox"/> Change of Name <input type="checkbox"/> Joint Research Agreement <input type="checkbox"/> Government Interest Assignment <input type="checkbox"/> Executive Order 9424, Confirmatory License <input type="checkbox"/> Other _____	4. Application or patent number(s): <input type="checkbox"/> This document is being filed together with a new application. A. Patent Application No.(s) <u>12/852,416 Filed: 8-6-2010</u> B. Patent No.(s) Additional numbers attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
5. Name and address to whom correspondence concerning document should be mailed: Name: <u>Mark H. Lough/LLNS</u> Internal Address: <u>P.O. Box 808, L-703</u> Street Address: <u>7000 East Avenue</u> City: <u>Livermore</u> State: <u>CA</u> Zip: <u>94551</u> Phone Number: <u>925/422-7272</u> Fax Number: <u>925/423-2231</u> Email Address: <u>N/A</u>	6. Total number of applications and patents involved: <u>1 (one)</u> 7. Total fee (37 CFR 1.21(h) & 3.41) \$ <u>40.00</u> <input checked="" type="checkbox"/> Authorized to be charged to deposit account <input type="checkbox"/> Enclosed <input type="checkbox"/> None required (government interest not affecting title) 8. Payment Information Deposit Account Number <u>12-0695</u> Authorized User Name <u>April Masluk</u>
9. Signature: <u>April Masluk</u> Signature <u>April Masluk</u> Name of Person Signing	<u>8-23-2010</u> Date Total number of pages including cover sheet, attachments, and documents: 2

Documents to be recorded (including cover sheet) should be faxed to (571) 273-0140, or mailed to:
Mail Stop Assignment Recordation Services, Director of the USPTO, P.O.Box 1450, Alexandria, V.A. 22313-1450

ASSIGNMENT

LLNL Case No.: IL-12182

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

- | | |
|---------------------------|------------------------|
| 1. <u>Albert Loui</u> | 2. <u>Selim Elhadj</u> |
| 3. <u>Scott K. McCall</u> | 4. <u>//</u> |
| 5. <u>//</u> | 6. <u>//</u> |

hereby sells, assigns and transfers to ASSIGNEE, Lawrence Livermore National Security, LLC, a Delaware Corporation, having its administrative offices located at 2300 First Street, Suite 204, Livermore, CA 94550 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:

Microcantilever-based gas Sensor Employing Two Simultaneous Physical Sensing Modes

and which is found in

- U.S. patent application executed on 8-3-2010, entitled as above and listing the above named persons as inventors
- U.S. patent application serial no. 12/852,416, filed on 8-6-2010
- 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

Signature of Inventor(s)

8 / 2 / 10

Date



Albert Loui

executed this

08/02/10

Date

Signature of Inventor(s)

Selim Ethadj

executed this

08/03/10

Date

Signature of Inventor(s)

Scott K. McCall

-End of Document-
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