

Form PTO-1595 (Rev. 07/05)
OMB No. 0651-0027 (exp. 6/30/2008)

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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. James V. Candy | 5. Brian L. Guidry |
| 2. Michael C. Axelrod | 6. Douglas R. Manatt |
| 3. Eric F. Breitfeller | 7. Alan W. Meyer |
| 4. David H. Chambers | |

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

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

Execution Date(s) 5-20-2009

- | | |
|---|---|
| <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 _____ | |

2. Name and address of receiving party(ies)

Name: Lawrence Livermore National Security, LLC (LLNS)

Internal Address: P.O. Box 808, L-703

Street Address: 7000 East Avenue

City: Livermore

State: CA

Country: USA Zip: 94551

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

4. Application or patent number(s):

A. Patent Application No.(s)

12/259,198 Filed: 10-27-2008

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

Additional numbers attached? ☐ Yes ☒ No

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

Name: James S. Tak/LLNS

Internal Address: P.O. Box 808, L-703

Street Address: 7000 East Avenue

City: Livermore

State: CA Zip: 94551

Phone Number: 925/422-7272

Fax Number: 925/423-2231

Email Address: N/A

6. Total number of applications and patents involved: 1 (ONE)

7. Total fee (37 CFR 1.21(h) & 3.41) \$ 40.00

- ☐ Authorized to be charged by credit card
☒ Authorized to be charged to deposit account
☐ Enclosed
☐ None required (government interest not affecting title)

8. Payment Information

a. Credit Card Last 4 Numbers _____
Expiration Date _____

b. Deposit Account Number 12-0695

Authorized User Name April Masluk

9. Signature:

/James S. Tak, #46,367/

Signature

6-23-2009

Date

James S. Tak

Name of Person Signing

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

1

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

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PATENT
REEL: 022865 FRAME: 0137

ASSIGNMENTLLNL Case No.: IL-11906

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

1. <u>James V. Candy</u>	2. <u>Michael C. Axelrod</u>
3. <u>Eric F. Breitfeller</u>	4. <u>David H. Chambers</u>
5. <u>Brian L. Guidry</u>	6. <u>Douglas R. Manatt</u>
7. <u>Alan W. Meyer</u>	8. _____
9. <u>//</u>	10. <u>//</u>

hereby sells, assigns and transfers to ASSIGNEE, Lawrence Livermore National Security, LLC, a Delaware Corporation, having its administrative offices located at 7000 East Avenue, Livermore, California 94551-9234, 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:

Physics-Based, Bayesian Sequential Detection Method and System For Radioactive Contraband

and which is found in

- ☒ U.S. patent application executed on 5-20-2009, entitled as above and listing the above named persons as inventors
- ☒ U.S. patent application serial no. 12/259198, filed on 10-27-2008
- ☐ 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

27 Oct 2008
Date

Signature of Inventor(s)

James V. Candy
James V. Candy

IL-11906

executed this

11/7/09

Date

Signature of Inventor(s)

Michael C. Axelrod

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10/28/08
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Date

David H. Chambers
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10/30/08
Date

Brian L. Guidry
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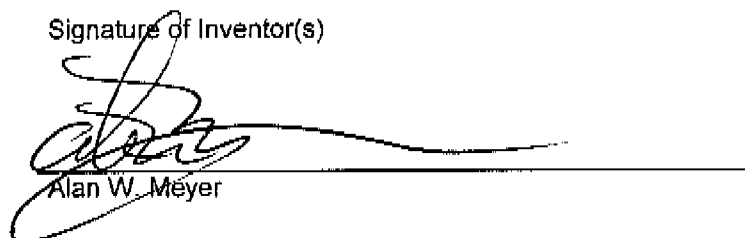
Douglas R. Manatt

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12-2-09
Date

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Alan W. Meyer

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Douglas R. Marfatt