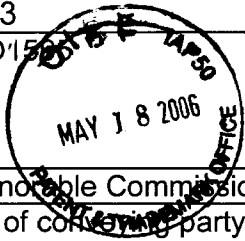


Form PTO 158 (Rev. 10/02)

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103244997

To the Honorable Commissioner for Patents

Original documents or copy thereof.

Name of conveying party(ies):  
The Regents of the University of California

Name of receiving party:

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

Name: Los Alamos National Security, LLC

3. Nature of Conveyance:

- Assignment  Merger
- Security Agreement  Change of Name
- Other \_\_\_\_\_

Address:

Los Alamos National Laboratory  
LC/IP, MS A187  
Los Alamos, NM 87545

Execution Date: 24 April 2006

Additional name(s) address(es) attached

Yes  No

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. Patent Application No.(s) 10/986,519

B. Patent No.(s)

Additional numbers attached  Yes  No

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

Name: Bruce H. Cottrell

Registration No.: 30,620

Address: Los Alamos National Laboratory  
LC/IP, MS A187  
Los Alamos, NM 87545

6. Total number of applications and patents involved:

1

7. Total fee (37 CFR 3.41):

\$ 40.00

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9. 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.

Bruce H. Cottrell

*Bruce H. Cottrell*

15 May 2006

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Date

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PATENT

REEL: 017915 FRAME: 0987

5-1806

**ASSIGNMENT**

DOE S-104,853

For good and valuable consideration, the receipt of which is hereby acknowledged, ASSIGNOR,

The Regents of the University of California  
1111 Franklin Street, Fifth Floor, Oakland, CA 94607-5200

The previous assignment of which was Recorded on 07/16/2003,  
Reel 014308, Frame 0537.

hereby sells, assigns and transfers

to ASSIGNEE, Los Alamos National Security, LLC, a Delaware Limited Liability Company, at Los Alamos National Laboratory, LC/IP, Mail Stop A187, Los Alamos, NM 87545 and the successors, assigns and legal representatives of the ASSIGNEE

- its entire right, title and interest
- an undivided fifty percent (50%) interest
- an undivided \_\_\_\_ percent (\_%) interest

for the United States and its territorial possessions

and in all foreign countries, including all rights to claim priority, in and to any and all improvements which are disclosed in the invention titled:

**METHOD AND APPARATUS FOR DETECTING CHEMICAL BINDING**

Name of Inventors: Benjamin P. Warner, George J. Havrilla, Thomasin C. Miller, Cyndi A. Wells

and which is found in

- (a)  U.S. application Serial No. 10/986,519, filed on 11/10/2004.
- (b)  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;

A change of address to which correspondence is to be sent regarding patent maintenance fees is being sent separately.

**ASSIGNOR** 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** 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

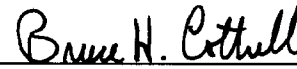
may be known and accessible to ASSIGNOR and will testify as to the same in any interference, litigation, or proceeding related thereto and will promptly execute and deliver to ASSIGNEE or its legal representatives any and all papers, instruments or affidavits required to apply for, obtain, maintain, issue and 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.

**AND** the **ASSIGNOR** 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, Los Alamos National Security, LLC.

executed this

24th day of April , 2006

Signature of Assignor



\_\_\_\_\_  
Bruce H. Cottrell  
IP Practice Group Leader