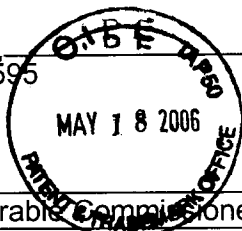


S-89,616

05-23-2006

Form PTO1595

(Rev. 10/02)



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To the Honorable Commissioner for Patents. Please record the attached original documents or copy thereof.

Name of conveying party(ies):  
The Regents of the University of CaliforniaAdditional name(s) of conveying  
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3. Nature of Conveyance:

- ☒ Assignment ☐ Merger  
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Execution Date: 10 April 2006

2. Name and address of receiving party:

Name: Los Alamos National Security, LLC

Address:

Los Alamos National Laboratory

LC/IP, MS A187

Los Alamos, NM 87545

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) 09/227,220

B. Patent No.(s) 6,165,438

Additional numbers attached ☐ Yes ☒ No5. 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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15 May 2006

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**ASSIGNMENT**DOE S-89,616

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 April 12, 1999,  
Reel 9889, Frame 0777.

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:

APPARATUS AND METHOD FOR SIMULTANEOUS RECOVERY OF HYDROGEN FROM  
WATER AND FROM HYDROCARBONS

Name of Inventor(s) R S. Willms, Stephen A. Birdsell

and which is found in

- (a) ☒ U.S. application Serial No. 09/227,220, filed on 1/6/1999.
- (b) ☒ U.S. Patent No. 6,165,438, issued 12/26/2000.

☒ 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;

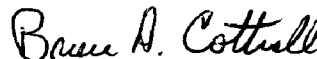
**ASSIGNOR** further covenants that **ASSIGNEE** will, upon its request, be provided promptly with all pertinent facts and documents relating to said invention and said Letters Patent and legal equivalents as may be known and accessible to **ASSIGNOR** and will testify as to the same in any interference, 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

Signature of Assignor

10th day of April , 2006



Bruce H. Cottrell  
IP Practice Group Leader