

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

U.S. DEPARTMENT OF COMMERCE  
United States Patent and Trademark Office

**JP** **RECORDATION FORM COVER SHEET** **S-115,971**  
**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)**  
Battelle Energy Alliance, LLC  
  
Additional name(s) of conveying party(ies) attached?  Yes  No

**2. Name and address of receiving party(ies)**  
Name: United States Department of Energy  
Internal Address: \_\_\_\_\_

**3. Nature of conveyance/Execution Date(s):**  
Execution Date(s) 02/05/2008  
 Assignment  Merger  
 Security Agreement  Change of Name  
 Joint Research Agreement  
 Government Interest Assignment  
 Executive Order 9424, Confirmatory License  
 Other \_\_\_\_\_

Street Address: 1000 Independence Ave., S.W  
  
City: Washington  
State: D.C.  
Country: USA Zip: 20585  
  
Additional name(s) & address(es) attached?  Yes  No


**4. Application or patent number(s):**  This document is being filed together with a new application.  
A. Patent Application No.(s)  
  
11/862,416

B. Patent No.(s)  
  
  
Additional numbers attached?  Yes  No

**5. Name and address to whom correspondence concerning document should be mailed:**  
Name: Mark P. Dvorscak  
Internal Address: U. S. Dept. of Energy, IPLD  
Street Address: 9800 S. Cass Ave  
City: Argonne  
State: IL Zip: 60439  
Phone Number: 630-252-2393  
Fax Number: 630-252-2779  
Email Address: \_\_\_\_\_

**6. Total number of applications and patents Involved:** 1  
**7. Total fee (37 CFR 1.21(h) & 3.41) \$** \_\_\_\_\_  
 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 \_\_\_\_\_  
Authorized User Name \_\_\_\_\_

**9. Signature:**  4/23/08  
Signature Date  
Michael J. Dobbs #58,093  
Name of Person Signing  
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

DOE Case No.: S-100,072  
B-286D1

**CONFIRMATORY LICENSE**

Application for: APPARATUS FOR CHEMICAL SYNTHESIS

Inventor(s): Peter C. Kong, J. Stephen Herring, Jon D. Grandy  
Serial No.: 11/862,416  
Filing Date (U.S.): 9/27/2007  
DOE Contract No.: DE-AC07-05ID14517  
Contractor: Battelle Energy Alliance, LLC

The invention identified above is a "Subject Invention" under the above-numbered contract with Battelle Energy Alliance, LLC. A copy of the provisions of the above-numbered contract governing patent rights in the Subject Invention at the time the invention was made has been submitted to the U.S. Department of Energy.


The Contractor hereby confirms that under the provisions of the above-numbered contract governing patent rights, it has granted to the Government a nonexclusive, nontransferable, irrevocable, paid-up license to practice or to have practiced for or on behalf of the United States the Subject Invention throughout the world. This License applies to the invention in the above-identified patent application and any and all divisions or continuations thereof and any resulting patent or reissue patent which may be granted thereon.

It is understood and agreed that this License does not preclude the Government from asserting rights under the provisions of said Contract or any other agreement between the Government and the Contractor, or any other rights of the Government with respect to the above-identified invention.

The Contractor hereby grants the Government an irrevocable power to inspect and make copies of the above-identified application.

Signed this 5<sup>TH</sup> day of February, 2008.

BATTELLE ENERGY ALLIANCE, LLC

By:   
\_\_\_\_\_

Thomas M. Harrison  
Director, Technology Transfer and Commercialization  
P. O. Box 1625  
Idaho Falls, ID 83415-3805

PATENT

RECORDED: 04/24/2008

REEL: 020856 FRAME: 0168

\*\*\* INTL PAGE 02 \*\*\*