Docket No.: S-113,557

U.S. DEPARTMENT OF COMMERCE RECORDATION FORM COVER SHEET FORM PTO-1595 (Modified) (Rev. 03-01) Patent and Trademark Office OMB No. 0651-0027 (exp.5/31/2002) **PATENTS ONLY** P08/REV04 Tab settings → → ▼ To the Director of the United States Patent and Trademark Office: Please record the attached documents or the new address(es) below. 2. Name and address of receiving party(ies): 1. Name of conveying party(ies): Savannah River Nuclear Solutions, LLC Name: United States Department of Energy Internal Address: GC-62 (MS 6F-067)FORSTL 3. Nature of conveyance/Execution Date(s): Street Address: 1000 Independence Ave. Execution Date(s): \_08/10/2010 ☐ Merger ☐ Assignment City: Washington ☐ Change of Name ☐ Security Agreement ☐ Joint Research Agreement State: DC ☐ Government Interest Assignment ZIP: 20585-0162 Country: Additional name(s) & address(es) attached? 

Yes 

No Other ☐ This document is being filed together with a new application. 4. Application or patent numbers(s): A. Patent Application No.(s) B. Patent No.(s) 12/803,698 Additional numbers attached? ☐ No 5. Name and address to whom correspondence 6. Total number of applications and patents concerning document should be mailed: involved: Name: Donna A. Brown 7. Total fee (37 CFR 1.21(h) & 3.41): \$\_\_\_\_\_ Internal Address: Office of Chief Counsel ☐ Authorized to be charged by credit card ☐ Authorized to be charged to deposit account U.S. Dept. of Energy, Savannah River Operations Offic □ Enclosed Street Address: P.O. Box A ☑ None required (government interest not affecting title) 8. Payment Information: City: Aiken Last 4 Numbers a. Credit Card ZIP: 29802 State: SC Expiration Date Phone Number: (803) 952-7290 b. Deposit Account Number Fax Number: (803) 952-8542 Authorized User Name Email Address: 9. Signature: 08/16/2010 Date Signature Donna A. Brown

Name of Person Signing

----- Total number of pages including cover sheet, attachments, and document:

SRS No.: SRS-10-004 DOE No.: S-113,557

## CONFIRMATORY LICENSE

Application for:

Highly Dispersed Metal Catalyst

Inventor(s):

Xin Xiao, William L. West, William D. Rhodes

Serial Number: Filing Date: 12/803,698 July 2, 2010

Contract No.:

DE-AC09-08SR22470

Contractor:

Savannah River Nuclear Solutions, LLC

The invention identified above is a "Subject Invention" under the above-identified contract. A copy of the provisions of the above-identified 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 confirms that under the provisions of the above-identified contract governing patent rights, it has granted to the Government a nonexclusive, nontransferable, irrevocable, paid-up license to practice or 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 of it, and any resulting patent or reissue patent that may be granted.

It is understood and agreed that this document does not preclude the Government from asserting rights under the provisions of the above-identified 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 grants the Government an irrevocable power to inspect and make copies of the above-identified application.

Murray B. Baxter

Assistant General Counsel

Intellectual Property & Export Control

Date: 16 AUG 2010

RECORDED: 08/16/2010

PATENT REEL: 024848 FRAME: 0121