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**PSL** **RECORDATION FORM COVER SHEET** **S-119,451**  
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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)**  
Southern Services Company, Inc.  
  
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) September 1, 2010  
 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  
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**4. Application or patent number(s):**  This document is being filed together with a new application.  
A. Patent Application No.(s)  
Serial No. 12/833,023  
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  
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Fax Number: 630-252-2779  
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**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 \_\_\_\_\_  
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**9. Signature:**   
Signature  
Michael J. Dobbs #58,093  
Name of Person Signing

12/13/2010  
Date  
Total number of pages including cover sheet, attachments, and documents: **2**

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# CONFIRMATORY LICENSE

<sup>B into 9/1/10</sup>  
Title of Invention: CARBON DIOXIDE ABSORBER AND REGENERATION ASSEMBLIES USEFUL FOR POWER PLANT FLUE GAS

Inventor(s): Guohai Liu, et al.

Patent Application Serial No: 12/833,023

Filing Date : 07/09/2010

Patent Number:

Issue Date:

Name of Contractor (i.e. Contractor, Subcontractor, Grant, or Cooperative Agreement, as applicable):  
Southern Company Services, Inc.

DOE Contract No. (i.e. Contract, Subcontract, Grant, or Cooperative Agreement, as applicable):  
DE-NT0000749

DOE Case No.: S-119,451

Contractor Docket No.:

The Contractor has reported the above-identified invention as a Subject Invention to DOE and has elected to retain title thereto.

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The Government is hereby granted an irrevocable power to inspect and make copies of the above-identified patent application.

Signed this 1 day of September, 2010

Southern Services Company Inc.  
Contractor Name (Typed)

BY: Kerry W. Bowers

Kerry W. Bowers, DIRECTOR, NCC  
Official's Name and Title (Typed)

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