

PATENT ASSIGNMENT

Electronic Version v1.1
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SUBMISSION TYPE:	NEW ASSIGNMENT												
NATURE OF CONVEYANCE:	ASSIGNMENT												
CONVEYING PARTY DATA													
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 70%;">Name</th> <th style="width: 30%;">Execution Date</th> </tr> </thead> <tbody> <tr> <td>Guohai Liu</td> <td>10/08/2009</td> </tr> <tr> <td>Wanweng Peng</td> <td>10/08/2009</td> </tr> <tr> <td>Pannalal Vimalchand</td> <td>10/08/2009</td> </tr> </tbody> </table>		Name	Execution Date	Guohai Liu	10/08/2009	Wanweng Peng	10/08/2009	Pannalal Vimalchand	10/08/2009				
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<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 20%;">Name:</td> <td>SOUTHERN COMPANY</td> </tr> <tr> <td>Street Address:</td> <td>600 NORTH 18TH STREET</td> </tr> <tr> <td>Internal Address:</td> <td>BIN 7N-8374</td> </tr> <tr> <td>City:</td> <td>BIRMINGHAM</td> </tr> <tr> <td>State/Country:</td> <td>ALABAMA</td> </tr> <tr> <td>Postal Code:</td> <td>35203-2206</td> </tr> </table>		Name:	SOUTHERN COMPANY	Street Address:	600 NORTH 18TH STREET	Internal Address:	BIN 7N-8374	City:	BIRMINGHAM	State/Country:	ALABAMA	Postal Code:	35203-2206
Name:	SOUTHERN COMPANY												
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PROPERTY NUMBERS Total: 2													
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CORRESPONDENCE DATA													
Fax Number: (404)962-6849 <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i> Phone: (404) 885-2773 Email: ryan.schneider@troutmansanders.com Correspondent Name: Ryan A. Schneider Address Line 1: 600 Peachtree Street, N.E., Suite 5200 Address Line 2: Bank of America Plaza Address Line 4: Atlanta, GEORGIA 30308-2216													
ATTORNEY DOCKET NUMBER:	SCS7/SCS7PCT												
NAME OF SUBMITTER:	Candice P. Dysart												

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PATENT
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Total Attachments: 4

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ASSIGNMENT

WHEREAS, We, **Guohai Liu, Wan Wang Peng, and Pannalal Vimalchand** (collectively "Assignors"), have invented certain improvements in a Continuous Course Ash Depressurization System, for which a US non-provisional patent application was filed on 20 April 2009 and assigned Serial No. 12/426,700 ("Application"), and whereas future US, PCT and foreign patent applications may be filed, and whereas

**SOUTHERN COMPANY
600 NORTH 18TH STREET
BIN 7N-8374
BIRMINGHAM AL 35203-2206 US**

("Assignee") desires to purchase all the rights in same;

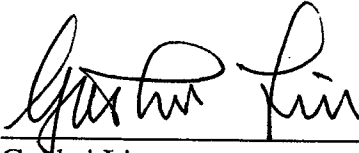
NOW THEREFORE, in consideration of the sum of One Dollar (\$1.00) and other good and valuable considerations paid by the said Assignee, the receipt and sufficiency of which are hereby acknowledged, Assignors have and by these presents do hereby sell, assign, transfer and convey unto said Assignee the full, exclusive and entire right, title, and interest in and to said Application, including in and to any conventional, division, continuation, continuation-in-part, substitution, reissue, renewal, reexam, continued prosecution application ("CPA"), or request for continued examination ("RCE") thereof, and in and to all inventions and improvements thereon (herein collectively referred to as "Related US Applications"), preparatory to obtaining Letters Patent of the United States therefor; and Assignors hereby request the Commissioner of Patents and Trademarks to issue any and all Letters Patent of the United States resulting from said Application and Related US Applications, to Assignee, for its interest and for the sole use and benefit of Assignee and its assigns and legal representatives.

For the same consideration, Assignors, by these presents do sell, assign, and transfer to Assignee the full, exclusive, and entire right, title and interest in and to any foreign and international applications related to and/or seeking benefit of said Application and Related US Applications and in and to all inventions and improvements thereon (herein collectively referred to as "Related Foreign Applications"), in and to any Letters Patent and similar protective rights granted on said Related Foreign Applications, and in and to the right to claim any applicable priority rights arising from or required for said Related Foreign Applications under the terms of any applicable conventions, treaties, statutes, or regulations, said Related Foreign Applications to be filed and issued in the name of Assignee or its designee, insofar as permitted by applicable law.

For the same consideration, Assignors agree, without charge to Assignee, but at Assignee's expense, to sign all lawful papers, execute said Application, Related US Applications and Related Foreign Applications, make all assignments and rightful oaths, assist in prosecution of said Application, Related US Applications and Related Foreign Applications, assist in prosecution of legal proceedings, and generally do everything reasonably possible to aid Assignee its successors, assigns, and nominees, to obtain and enforce proper protection for all said inventions and improvements in all countries throughout the world.

AND, for the same consideration, Assignors also hereby sell, assign and transfer unto Assignee all rights and claims to sue for damages and other remedies with respect to any and all past infringement of all said Application, Related US Applications, and Related Foreign Applications, including said inventions and improvements which may have occurred before the date of this Assignment.

IN WITNESS WHEREOF, I have hereunto set my hand and seal this 8th day of October, 2009.


_____(SEAL)
Guohai Liu

State of Alabama)
County of Shelby)

On this 8th day of October, 2009, before me, a notary public, came to me known and known to be the individual described in and who executed the foregoing assignment, and he duly acknowledged the same to be his free act and deed.

NOTARY PUBLIC 

(SEAL)

My Commission Expires:

NOTARY PUBLIC STATE OF ALABAMA AT LARGE
MY COMMISSION EXPIRES: Dec 1, 2012
BONDED THRU NOTARY PUBLIC UNDERWRITERS

IN WITNESS WHEREOF, I have hereunto set my hand and seal this 8 day of October, 2009.

Wan Wang Peng (SEAL)
Wan Wang Peng

State of Alabama)
County of Shelby)

On this 8th day of October, 2009, before me, a notary public, came to me known and known to be the individual described in and who executed the foregoing assignment, and he duly acknowledged the same to be his free act and deed.

NOTARY PUBLIC Mary J. Hubert

(SEAL)

My Commission Expires:

NOTARY PUBLIC STATE OF ALABAMA AT LARGE
MY COMMISSION EXPIRES: Dec 1, 2012
BONDED THRU NOTARY PUBLIC UNDERWRITERS

IN WITNESS WHEREOF, I have hereunto set my hand and seal this 8 day of October, 2009.

Pannalal Vimalchand (SEAL)
Pannalal Vimalchand

State of Alabama)
County of Shelby)

On this 8th day of October, 2009, before me, a notary public, came to me known and known to be the individual described in and who executed the foregoing assignment, and he duly acknowledged the same to be his free act and deed.

NOTARY PUBLIC Mary J. Sherburn

(SEAL)

My Commission Expires:

NOTARY PUBLIC STATE OF ALABAMA AT LARGE
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