

**PATENT ASSIGNMENT**

Electronic Version v1.1  
 Stylesheet Version v1.1

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT										
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT										
<b>CONVEYING PARTY DATA</b>											
<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width:70%;">Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>Reed Alan Edwards</td> <td>01/05/2007</td> </tr> <tr> <td>James Clyde McNeely Sr.</td> <td>01/07/2007</td> </tr> <tr> <td>Vance Mullis</td> <td>01/08/2007</td> </tr> <tr> <td>Kevin Daniel Carden</td> <td>01/05/2007</td> </tr> </tbody> </table>		Name	Execution Date	Reed Alan Edwards	01/05/2007	James Clyde McNeely Sr.	01/07/2007	Vance Mullis	01/08/2007	Kevin Daniel Carden	01/05/2007
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<b>RECEIVING PARTY DATA</b>											
<b>Name:</b>	Southern Company Services, Inc.										
<b>Street Address:</b>	241 Ralph McGill Blvd., NE										
<b>City:</b>	Atlanta										
<b>State/Country:</b>	GEORGIA										
<b>Postal Code:</b>	30308-3374										
<b>PROPERTY NUMBERS Total: 1</b>											
<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width:30%;">Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>11626002</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	11626002						
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Application Number:	11626002										
<b>CORRESPONDENCE DATA</b>											
<b>Fax Number:</b>	(404)870-8177										
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>											
<b>Phone:</b>	(404) 888-7412										
<b>Email:</b>	dogles@wcsr.com										
<b>Correspondent Name:</b>	John J. Timar										
<b>Address Line 1:</b>	1201 W. Peachtree Street, Suite 3500										
<b>Address Line 2:</b>	P.O. Box 7037										
<b>Address Line 4:</b>	Atlanta, GEORGIA 30357-0037										
<b>ATTORNEY DOCKET NUMBER:</b>	S265 1170.1										
<b>NAME OF SUBMITTER:</b>	John J. Timar										

CH \$40.00 11626002

Total Attachments: 4

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## PATENT ASSIGNMENT

WHEREAS, the undersigned, Reed Alan Edwards, 576 South Forest Drive, City of Birmingham, and State of Alabama; James Clyde McNeely, Sr., a citizen of the United States of America, residing at 1757 Tahiti Lane, City of Alabaster, and State of Alabama; Vance Mullis, a citizen of the United States of America, residing at 990 Ramsden Run, City of Alpharetta, and State of Georgia; and Kevin Daniel Carden, a citizen of the United States of America, residing at 1029 Castlemaine Drive, (hereinafter collectively referred to as "Assignors") have invented certain inventions and improvements disclosed in an application for Letters Patent entitled System and Method for Determining Expected Unserved Energy to Quantify Generation Reliability Risks, which application is about to be filed in the United States Patent and Trademark Office and was executed by:

Reed Alan Edwards on 1/5/07 [date];  
James Clyde McNeely, Sr., on 1/7/07 [date]; and  
Vance Mullis, on 1/8/2007 [date]; and  
Kevin Daniel Carden on 1/5/07 [date].

WHEREAS, Southern Company Services, Inc., a Corporation of the State of Georgia, having its principal place of business at 241 Ralph McGill Blvd., NE, Atlanta, Georgia 30308 – 3374 is desirous of acquiring an interest in the same;

NOW, THEREFORE, for and in consideration of good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, Assignors, by these presents do sell, assign and transfer unto Southern Company Services, Inc., the full, exclusive and entire right, title and interest: (i) in and to all inventions and improvements disclosed and described in said application, (ii) in and to said application, (iii) in and to any divisional, continuation, and continuation-in-part applications describing in whole or in part the said inventions and improvements, preparatory to obtaining Patents of the United States therefor, (iv) in and to any reissues of the aforementioned, (v) in and to any provisional patent applications filed in the United States describing in whole or in part the said inventions and improvements, from which priority may be claimed under Title 35 of the United States Code, and (vi) in and to the right to claim any applicable foreign and domestic priority rights arising from any of the afore-mentioned patent applications; and Assignors do hereby request the Commissioner of Patents to issue any and all Patents of the United States resulting from said application, or from a division, continuation, continuation-in-part, or reissue thereof, to Southern Company Services, Inc. as Assignee, for its interest and for the sole use and behoof of Southern Company Services, Inc. and its assigns and legal representatives;

For the same consideration, Assignors by these presents do sell, assign and transfer to Southern Company Services, Inc. the full, exclusive and entire right, title and interest in and to any foreign application or applications corresponding to said application, in whole or in part, in countries other than the United States, in and to any Patents and similar protective rights granted on said foreign application, and in and to the right to claim any applicable priority rights arising from or required for said foreign application under the terms of any applicable conventions, treaties, statutes, or regulations; said foreign applications to be filed and issued in the name of Southern Company Services, Inc. and or its respective designees, insofar as permitted by applicable law;

AND, for the same consideration, Assignors do hereby agree to sign all lawful papers, execute all divisional, continuation, continuation-in-part, reissue and other applications, make all assignments and rightful oaths, and generally do everything possible to aid Southern Company Services, Inc. its successors, assigns, and nominees, to obtain and enforce proper protection for all said inventions and improvements in all countries throughout the world.

Reed Alan Edwards  
Reed Alan Edwards

STATE OF ALABAMA

COUNTY OF Schley

Before me, a Notary Public in and for the County and State aforesaid, on this 5<sup>th</sup> day of January, 2007, personally appeared Reed Alan Edwards, known to me to be the same person whose name is subscribed to the foregoing Assignment, who being duly sworn acknowledged that he signed, sealed and delivered the said Assignment as his free and voluntary act for the uses and purposes therein set forth.

IN WITNESS WHEREOF, I have hereunto set my hand and Notarial Seal.

Marcia Dunn Ellington  
NOTARY PUBLIC

(SEAL)

My Commission Expires: Dec 22, 2010

NOTARY PUBLIC STATE OF ALABAMA AT LARGE  
MY COMMISSION EXPIRES: Dec 22, 2010  
BONDED THRU NOTARY PUBLIC UNDERWRITERS

James Clyde McNeely, Sr.  
James Clyde McNeely, Sr.

STATE OF ALABAMA

COUNTY OF Shelley

Before me, a Notary Public in and for the County and State aforesaid, on this 8<sup>th</sup> day of January, 2007, personally appeared James Clyde McNeely, Sr., known to me to be the same person whose name is subscribed to the foregoing Assignment, who being duly sworn acknowledged that he signed, sealed and delivered the said Assignment as his free and voluntary act for the uses and purposes therein set forth.

IN WITNESS WHEREOF, I have hereunto set my hand and Notarial Seal.

Marcia Dunn Edinger  
NOTARY PUBLIC

(SEAL)

My Commission Expires: December 22, 2010

NOTARY PUBLIC STATE OF ALABAMA AT LARGE  
MY COMMISSION EXPIRES: Dec 22, 2010  
BONDED THRU NOTARY PUBLIC UNDERWRITERS

Kevin Daniel Carden  
Kevin Daniel Carden

STATE OF ALABAMA

COUNTY OF Shelley

Before me, a Notary Public in and for the County and State aforesaid, on this 5<sup>th</sup> day of January, 2007, personally appeared Kevin Daniel Carden, known to me to be the same person whose name is subscribed to the foregoing Assignment, who being duly sworn acknowledged that he signed, sealed and delivered the said Assignment as his free and voluntary act for the uses and purposes therein set forth.

IN WITNESS WHEREOF, I have hereunto set my hand and Notarial Seal.

Marcia Dunn Edinger  
NOTARY PUBLIC

(SEAL)

My Commission Expires: December 22, 2010

NOTARY PUBLIC STATE OF ALABAMA AT LARGE  
MY COMMISSION EXPIRES: Dec 22, 2010  
BONDED THRU NOTARY PUBLIC UNDERWRITERS

Vance C. Mullis  
Vance Mullis

STATE OF GEORGIA

COUNTY OF Henry

Before me, a Notary Public in and for the County and State aforesaid, on this 8<sup>th</sup> day of January, 2007, personally appeared Vance Mullis, known to me to be the same person whose name is subscribed to the foregoing Assignment, who being duly sworn acknowledged that he signed, sealed and delivered the said Assignment as his free and voluntary act for the uses and purposes therein set forth.

IN WITNESS WHEREOF, I have hereunto set my hand and Notarial Seal.

Janice A. Brown  
NOTARY PUBLIC

(SEAL)

My Commission Expires: 10/22/2010