

## PATENT ASSIGNMENT COVER SHEET

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<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
ANDREW J. BURNS	12/12/2011
GARY B. MERRILL	11/30/2011
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	SIEMENS ENERGY, INC.
<b>Street Address:</b>	4400 ALAFAYA TRAIL
<b>City:</b>	ORLANDO
<b>State/Country:</b>	FLORIDA
<b>Postal Code:</b>	32826
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
Application Number:	17493331
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(860)286-0115
<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.</i>	
<b>Phone:</b>	860 286 2929
<b>Email:</b>	usptopatentmail@cantorcolburn.com
<b>Correspondent Name:</b>	CANTOR COLBURN LLP - PRATT & WHITNEY
<b>Address Line 1:</b>	20 CHURCH STREET
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<b>Address Line 4:</b>	HARTFORD, UNITED STATES 06103
<b>ATTORNEY DOCKET NUMBER:</b>	103540US04 (U421347USCD)
<b>NAME OF SUBMITTER:</b>	HOWARD I. LEVY
<b>SIGNATURE:</b>	/Howard I. Levy/
<b>DATE SIGNED:</b>	10/04/2021
<b>Total Attachments: 4</b>	
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**ASSIGNMENT**

I, **ANDREW J. BURNS**, residing at 40 Stone Gate South, Longwood, FL 32779, a citizen of the United States; and **GARY B. MERRILL**, residing at 2413 Flowering Dogwood Drive, Orlando, FL 32828, a citizen of the United States: hereinafter referred to as Assignor(s), (A) hereby acknowledge having previously assigned, sold and transferred to **SIEMENS ENERGY, INC.**, a Corporation, organized and existing under the laws of Delaware, having its principal place of business at 4400 Alafaya Trail, Orlando, Florida 32826, (hereinafter referred to as Assignee), its successors, assigns and legal representatives, or to a predecessor of Assignee, pursuant to a Patent & Secrecy Agreement or similar legal document such as, without limitation, an employee agreement executed at the time of entering into the employment of, or executed as a condition of continuing employment with, the Assignee or a predecessor of the Assignee, the entire right, including any and all priority rights, title and interest, in and for the United States and all foreign countries, in and to any and all inventions which are disclosed in the below-identified application for United States Letters patent (in which case, any provision of the subject Assignment that is in conflict with or is in addition to any provision in the prior assignment(s) shall govern, take precedence, and be of legal effect), or (B)(i) to the extent such Patent & Secrecy Agreement or similar legal document failed or fails, in whole or part, to have assigned, sold or transferred the entire right, title and interest, in and for the United States and all foreign countries, in and to all inventions which are disclosed in the below-identified application for United States Letters patent, or (ii) if no such agreement(s) exist assigning, selling or transferring any such right, title or interest; then for good and valuable consideration, Assignor(s) now and hereby assign, sell and transfer to Assignee, its successors, assigns and legal representatives, the entire right, title and interest, in and for the United States and all foreign countries, in and to any and all inventions which are disclosed in the application for United States Letters patent, which has been executed by the undersigned concurrently herewith, and is entitled:

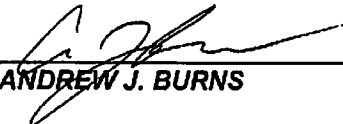
**METHOD OF FORMING A THERMAL BARRIER COATING SYSTEM WITH ENGINEERED SURFACE ROUGHNESS**

Assignor(s) above acknowledgment or assignment also includes all right, title and interest in and to said application and all applications claiming priority to said application, including, without limitation, all divisional, continuing, substitute, renewal, reissue, and all other applications for Letters Patent which have been or shall be filed in the United States and all foreign countries on any of said inventions; and in and to all original and reissued patents which have been or shall be filed in the United States and all foreign countries on said inventions;

Assignor(s) agree that Assignee may apply for and receive Letters Patent for said inventions in its own name or that of its designee;

Assignor(s) agree that, at the request of the Assignee and, without charge to but at the expense of said Assignee, Assignor(s) will carry out in good faith the intent and purpose of this Assignment; execute all divisional, continuing, substitute, renewal, reissue, and all other patent applications on any and all said inventions; execute all rightful oaths, assignments, powers of attorney and other papers; communicate to Assignee, all facts known to the undersigned relating to said inventions and the history thereof; and generally do everything possible which Assignee shall consider desirable for aiding in securing and mainlining proper patent protection for said inventions and for vesting title to said inventions, and all applications for patents and all patents on inventions in said Assignee;

Assignor(s) covenant with Assignee that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been made to others by the undersigned, and that full right to convey the same as herein expressed is possessed by the undersigned.

  
 \_\_\_\_\_, 11/12/2014  
 ANDREW J. BURNS DATE

\_\_\_\_\_  
 GARY B. MERRILL DATE

\_\_\_\_\_  
 JOHN P. MUSONE DATE  
 Assistant Secretary, Siemens Energy, Inc.

**ASSIGNMENT**

I, **ANDREW J. BURNS**, residing at 40 Stone Gate South, Longwood, FL 32779, a citizen of the United States; and **GARY B. MERRILL**, residing at 2413 Flowering Dogwood Drive, Orlando, FL 32828, a citizen of the United States: hereinafter referred to as Assignor(s), (A) hereby acknowledge having previously assigned, sold and transferred to **SIEMENS ENERGY, INC.**, a Corporation, organized and existing under the laws of Delaware, having its principal place of business at 4400 Alafaya Trail, Orlando, Florida 32826, (hereinafter referred to as Assignee), its successors, assigns and legal representatives, or to a predecessor of Assignee, pursuant to a Patent & Secrecy Agreement or similar legal document such as, without limitation, an employee agreement executed at the time of entering into the employment of, or executed as a condition of continuing employment with, the Assignee or a predecessor of the Assignee, the entire right, including any and all priority rights, title and interest, in and for the United States and all foreign countries, in and to any and all inventions which are disclosed in the below-identified application for United States Letters patent (in which case, any provision of the subject Assignment that is in conflict with or is in addition to any provision in the prior assignment(s) shall govern, take precedence, and be of legal effect), or (B)(i) to the extent such Patent & Secrecy Agreement or similar legal document failed or fails, in whole or part, to have assigned, sold or transferred the entire right, title and interest, in and for the United States and all foreign countries, in and to all inventions which are disclosed in the below-identified application for United States Letters patent, or (ii) if no such agreement(s) exist assigning, selling or transferring any such right, title or interest; then for good and valuable consideration, Assignor(s) now and hereby assign, sell and transfer to Assignee, its successors, assigns and legal representatives, the entire right, title and interest, in and for the United States and all foreign countries, in and to any and all inventions which are disclosed in the application for United States Letters patent, which has been executed by the undersigned concurrently herewith, and is entitled:

**METHOD OF FORMING A THERMAL BARRIER COATING SYSTEM WITH ENGINEERED SURFACE ROUGHNESS**

Assignor(s) above acknowledgment or assignment also includes all right, title and interest in and to said application and all applications claiming priority to said application, including, without limitation, all divisional, continuing, substitute, renewal, reissue, and all other applications for Letters Patent which have been or shall be filed in the United States and all foreign countries on any of said inventions; and in and to all original and reissued patents which have been or shall be filed in the United States and all foreign countries on said inventions;

Assignor(s) agree that Assignee may apply for and receive Letters Patent for said inventions in its own name or that of its designee;

Assignor(s) agree that, at the request of the Assignee and, without charge to but at the expense of said Assignee, Assignor(s) will carry out in good faith the intent and purpose of this Assignment; execute all divisional, continuing, substitute, renewal, reissue, and all other patent applications on any and all said inventions; execute all rightful oaths, assignments, powers of attorney and other papers; communicate to Assignee, all facts known to the undersigned relating to said inventions and the history thereof; and generally do everything possible which Assignee shall consider desirable for aiding in securing and maintaining proper patent protection for said inventions and for vesting title to said inventions, and all applications for patents and all patents on inventions in said Assignee;

Assignor(s) covenant with Assignee that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been made to others by the undersigned, and that full right to convey the same as herein expressed is possessed by the undersigned.

ANDREW J. BURNS                      DATE

Gary B. Merrill                      11/30/2011  
GARY B. MERRILL                      DATE

JPM                      1 Dec 2011  
JOHN P. MUSONE                      DATE  
Assistant Secretary, Siemens Energy, Inc.