

**PATENT ASSIGNMENT**

Electronic Version v1.1  
 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
Ching-Pang Lee	02/08/2011
Nan Jiang	02/08/2011
John J. Marra	02/08/2011
<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>
<b>Application Number:</b>	13027323
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(407)736-6440
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>	
<b>Phone:</b>	4077365611
<b>Email:</b>	gail.campbell@siemens.com
<b>Correspondent Name:</b>	Siemens
<b>Address Line 1:</b>	170 Wood Avenue South
<b>Address Line 2:</b>	IP Law Dept., Sandra Baker
<b>Address Line 4:</b>	Iselin, NEW JERSEY 08830
<b>ATTORNEY DOCKET NUMBER:</b>	2010P13214US
<b>NAME OF SUBMITTER:</b>	Gail M. Campbell

CH \$40.00 13027323

Total Attachments: 8  
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**PATENT**  
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source=2010P13214US\_Assignment#page8.tif

ASSIGNMENT

For good and valuable consideration, I, **CHING-PANG LEE**, residing at **12 Camargo Pines Ln., Cincinnati, OH 45243**, a citizen of the United States; **NAN JIANG**, residing at **115 Ventry Ave., Jupiter, FL 33458**, a citizen of China; **JOHN J. MARRA**, residing at **162 Nandina Terr., Winter Springs, FL 32708**, a citizen of the United States; hereinafter referred to as Assignors, hereby sell, assign and transfer 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, 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:

**COOLING SYSTEM HAVING REDUCED MASS PIN FINS  
FOR COMPONENTS IN A GAS TURBINE ENGINE**

in and to said application and 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;

Assignors agree that Assignee may apply for and receive Letters Patent for said inventions in its own name;

Assignors agree that, at the request of the Assignee and, without charge to but at the expense of said Assignee, Assignors 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;



\_\_\_\_\_  
NAN JIANG

STATE OF FLORIDA  
COUNTY OF \_\_\_\_\_/

On this \_\_\_\_ day of \_\_\_\_\_, 2011, before me, the undersigned Notary Public, duly commissioned and sworn, personally appeared NAN JIANG, to me personally known as, or proved to me on the basis of satisfactory evidence to be, the individual who executed the foregoing instrument and who acknowledged to me that he/she executed the same of his/her own free will for the purposes therein set forth.

WITNESS my hand and official seal.

\_\_\_\_\_  
Notary Public

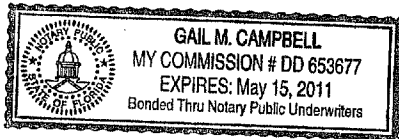
My commission expires: \_\_\_\_\_

*John J. Marra*  
\_\_\_\_\_  
JOHN J. MARRA

STATE OF FLORIDA  
COUNTY OF ORANGE /

On this 8<sup>th</sup> day of February, 2011, before me, the undersigned Notary Public, duly commissioned and sworn, personally appeared JOHN J. MARRA, to me personally known as, or proved to me on the basis of satisfactory evidence to be, the individual who executed the foregoing instrument and who acknowledged to me that he/she executed the same of his/her own free will for the purposes therein set forth.

WITNESS my hand and official seal.



*Gail M. Campbell*  
\_\_\_\_\_  
Notary Public

My commission expires: 5/15/2011

**ASSIGNMENT**

For good and valuable consideration, I, **CHING-PANG LEE**, residing at **12 Camargo Pines Ln., Cincinnati, OH 45243**, a citizen of the United States; **NAN JIANG**, residing at **115 Ventry Ave., Jupiter, FL 33458**, a citizen of China; **JOHN J. MARRA**, residing at **162 Nandina Terr., Winter Springs, FL 32708**, a citizen of the United States; hereinafter referred to as Assignors, hereby sell, assign and transfer 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, 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:

**COOLING SYSTEM HAVING REDUCED MASS PIN FINS  
FOR COMPONENTS IN A GAS TURBINE ENGINE**

in and to said application and 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;

Assignors agree that Assignee may apply for and receive Letters Patent for said inventions in its own name;

Assignors agree that, at the request of the Assignee and, without charge to but at the expense of said Assignee, Assignors 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;

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.

\_\_\_\_\_  
CHING-PANG LEE

STATE OF FLORIDA  
COUNTY OF ORANGE /

On this \_\_\_\_ day of \_\_\_\_\_, 2011, before me, the undersigned Notary Public, duly commissioned and sworn, personally appeared CHING-PANG LEE, to me personally known as, or proved to me on the basis of satisfactory evidence to be, the individual who executed the foregoing instrument and who acknowledged to me that he/she executed the same of his/her own free will for the purposes therein set forth.

WITNESS my hand and official seal.

\_\_\_\_\_  
Notary Public

My commission expires: \_\_\_\_\_






NAN JIANG

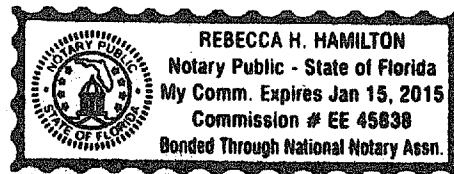
STATE OF FLORIDA  
COUNTY OF Palm Beach /

On this 8 day of February, 2011, before me, the undersigned Notary Public, duly commissioned and sworn, personally appeared NAN JIANG, to me personally known as, or proved to me on the basis of satisfactory evidence to be, the individual who executed the foregoing instrument and who acknowledged to me that he/she executed the same of his/her own free will for the purposes therein set forth.

WITNESS my hand and official seal.

  
Notary Public

My commission expires: January 15, 2015



\_\_\_\_\_  
JOHN J. MARRA

STATE OF FLORIDA  
COUNTY OF ORANGE /

On this \_\_\_\_ day of \_\_\_\_\_, 2011, before me, the undersigned Notary Public, duly commissioned and sworn, personally appeared JOHN J. MARRA, to me personally known as, or proved to me on the basis of satisfactory evidence to be, the individual who executed the foregoing instrument and who acknowledged to me that he/she executed the same of his/her own free will for the purposes therein set forth.

WITNESS my hand and official seal.

\_\_\_\_\_  
Notary Public

My commission expires: \_\_\_\_\_

**PATENT**