

Form PTO-1595 (Rev. 07/05)
OMB No. 0651-0027 (exp. 6/30/2008)

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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.

<p>1. Name of conveying party(ies) Siemens Energy, Inc.</p> <p>Additional name(s) of conveying party(ies) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p>	<p>2. Name and address of receiving party(ies) Name: <u>United States Department of Energy</u> Internal Address: _____ _____</p>
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<p>3. Nature of conveyance/Execution Date(s): Execution Date(s) <u>5/5/2010</u></p> <p><input type="checkbox"/> Assignment <input type="checkbox"/> Merger <input type="checkbox"/> Security Agreement <input type="checkbox"/> Change of Name <input type="checkbox"/> Joint Research Agreement <input type="checkbox"/> Government Interest Assignment <input checked="" type="checkbox"/> Executive Order 9424, Confirmatory License <input type="checkbox"/> Other _____</p>	<p>Street Address: <u>1000 Independence Ave., S.W</u> _____</p> <p>City: <u>Washington</u></p> <p>State: <u>D.C.</u></p> <p>Country: <u>USA</u> Zip: <u>20585</u></p> <p>Additional name(s) & address(es) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p>
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<p>4. Application or patent number(s): <input type="checkbox"/> This document is being filed together with a new application.</p> <p>A. Patent Application No.(s) <u>12/732,386</u></p>	<p>B. Patent No.(s) _____</p> <p>Additional numbers attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p>
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<p>5. Name and address to whom correspondence concerning document should be mailed: Name: <u>Mark P. Dvorscak</u> Internal Address: <u>U. S. Dept. of Energy, IPLD</u> _____</p> <p>Street Address: <u>9800 S. Cass Ave</u> _____</p> <p>City: <u>Argonne</u></p> <p>State: <u>IL</u> Zip: <u>60439</u></p> <p>Phone Number: <u>630-252-2393</u> Fax Number: <u>630-252-2779</u> Email Address: _____</p>	<p>6. Total number of applications and patents involved: <u>1</u></p> <p>7. Total fee (37 CFR 1.21(h) & 3.41) \$ _____</p> <p><input type="checkbox"/> Authorized to be charged by credit card <input type="checkbox"/> Authorized to be charged to deposit account <input type="checkbox"/> Enclosed <input checked="" type="checkbox"/> None required (government interest not affecting title)</p> <p>8. Payment Information</p> <p>a. Credit Card Last 4 Numbers _____ Expiration Date _____</p> <p>b. Deposit Account Number _____ Authorized User Name _____</p>
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<p>9. Signature: <u></u> Signature</p> <p><u>10/8/2010</u> Date</p> <p><u>Michael J. Dobbs #58.093</u> Name of Person Signing</p>	<p>Total number of pages including cover sheet, attachments, and documents: 2</p>
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CONFIRMATORY LICENSE

Title of Invention: FOUR-WALL TURBINE AIRFOIL WITH THERMAL STRAIN CONTROL FOR REDUCED CYCLE FATIGUE

Inventor(s): Christian X. Campbell

Patent Application Serial No: 12/732,386

Filing Date March 26, 2010

Patent Number: N/A

Issue Date: N/A

Name of Contractor: Siemens Energy, Inc.

DOE Contract No.: DE-FC26-05NT42644

DOE Case No.: S-119,217

Contractor Docket No.: 2009P20528US (formerly 2009E08395US)

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


Accordingly, this document is confirmatory of the nonexclusive, nontransferable, irrevocable, paid-up, worldwide license in this subject invention, patent application and any resulting patent, including any continuation, divisional, reissue, or supplemental application thereof, to practice or to have practiced for or on behalf of the United States throughout the world; and of all other rights acquired by the Government by the patent rights clause in the above-identified contract.

It is understood and agreed that this license does not preclude the Government from asserting rights under the provisions of said contract or of any other agreement between the Government and the Contractor, or from asserting any other rights of the Government with respect to the above-identified subject invention.

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

Signed this 5th day of May, 2010

Siemens Energy, Inc.


John Musone, Assistant Secretary

4400 Alafaya Trail, Orlando, Florida 32826-2399