

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

U.S. DEPARTMENT OF COMMERCE  
United States Patent and Trademark Office

**MR** **RECORDATION FORM COVER SHEET** **S-130,840**  
**PATENTS ONLY**

To the Director of the U.S. Patent and Trademark Office: Please record the attached documents or the new address(es) below.

**1. Name of conveying party(ies)**  
GENERAL ELECTRIC COMPANY  
  
Additional name(s) of conveying party(ies) attached?  Yes  No

**2. Name and address of receiving party(ies)**  
Name: United States Department of Energy  
Internal Address: \_\_\_\_\_

**3. Nature of conveyance/Execution Date(s):**  
Execution Date(s) 06/14/2013  
 Assignment  Merger  
 Security Agreement  Change of Name  
 Joint Research Agreement  
 Government Interest Assignment  
 Executive Order 9424, Confirmatory License  
 Other \_\_\_\_\_

Street Address: 1000 Independence Ave., S.W.  
City: Washington  
State: D.C.  
Country: USA Zip: 20585  
Additional name(s) & address(es) attached?  Yes  No

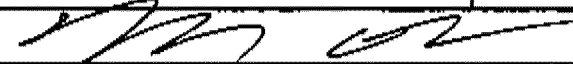
**4. Application or patent number(s):**  This document is being filed together with a new application.  
A. Patent Application No.(s)  
13/633,928  
B. Patent No.(s)

Additional numbers attached?  Yes  No

**5. Name and address to whom correspondence concerning document should be mailed:**  
Name: Mark P. Dvorscak  
Internal Address: U. S. Dept. of Energy, IPLD  
Street Address: 9800 S. Cass Ave  
City: Argonne  
State: IL Zip: 60439  
Phone Number: 630-252-2393  
Fax Number: 630-252-2779  
Email Address: Confirmatory.License@ch.doe.gov

**6. Total number of applications and patents involved:** 1  
**7. Total fee (37 CFR 1.21(h) & 3.41) \$**  
 Authorized to be charged by credit card  
 Authorized to be charged to deposit account  
 Enclosed  
 None required (government interest not affecting title)

**8. Payment Information**  
a. Credit Card Last 4 Numbers \_\_\_\_\_  
Expiration Date \_\_\_\_\_  
b. Deposit Account Number \_\_\_\_\_  
Authorized User Name \_\_\_\_\_

**9. Signature:**  8/2/13  
Signature Date  
Michael J. Dobbs #58,093  
Name of Person Signing  
Total number of pages including cover sheet, attachments, and documents: 2

Documents to be recorded (including cover sheet) should be faxed to (571) 273-0140, or mailed to:  
Mail Stop Assignment Recordation Services, Director of the USPTO, P.O.Box 1450, Alexandria, V.A. 22313-1450

**PATENT**

## CONFIRMATORY LICENSE

**Title of Invention:** Reducing Interlaminar Failures In Hollow, Laminated Composites, Turbine Blade Necks

**Inventor(s):** Ronald Cairo, John Delvaux, Jason Parolini

**Patent Application Serial No:** 13/633928

**Filing Date:** 03-OCT-12

**Patent Number:** To Be Determined

**Issue Date:** To Be Determined

**Name of Contractor:** General Electric Company

**DOE Contract No.** DE-FC26-05NT42643

**DOE Case No.:** S-130,840

**Contractor Docket No.:** 260214

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 14th day of JUNE, 2013

By: 

Dale J. Davis/IP Counsel  
Official's Name and Title (typed)

General Electric Company  
Contractor Name (typed)  
1 River Road  
Schenectady, NY 12345  
Business Address