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MR

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S-126,837

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

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GENERAL MOTORS GLOBAL
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Additional name(s) of conveying party(ies) attached? ☐ Yes ☒ No

3. Nature of conveyance/Execution Date(s):

Execution Date(s) 09/01/2011

- ☐ Assignment ☐ Merger
☐ Security Agreement ☐ Change of Name
☐ Joint Research Agreement
☐ Government Interest Assignment
☒ Executive Order 9424, Confirmatory License
☐ Other

2. Name and address of receiving party(ies)

Name: United States Department of Energy

Internal Address: _____

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):

A. Patent Application No.(s)

13/162,720

☐ This document is being filed together with a new application.

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

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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 _____
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9. Signature:



Signature

7/31/2013

Date

Michael J. Dobbs #58,093

Name of Person Signing

Total number of pages including cover sheet, attachments, and documents: 2

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Mail Stop Assignment Recordation Services, Director of the USPTO, P.O. Box 1460, Alexandria, V.A. 22313-1460

PATENT



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CONFIRMATORY LICENSE

Method and Apparatus to Control Engine Coolant Temperature Warm-up to Achieve
Optimal Fuel Economy and Cabin Heater Performance

Title of Invention:

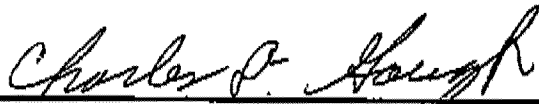
Inventor(s): Ryan Martini; Brian Spohn; Allen Lehmen; Teresa Cerbolles
Patent Application Serial No: 13/162720 Filing Date 17 Jun 2011
Patent Number: Issue Date:
Name of Contractor (i.e. Contractor, Subcontractor, Grant, or Cooperative Agreement, as applicable):
Name of Contractor: General Motors Global Technology Operations
DOE Contract No. (i.e. Contract, Subcontract, Grant, or Cooperative Agreement, as applicable):
DE-FC26-08NT04386
DOE Case No.: S-126,837 Contractor Docket No.: P015455

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 on: 9/1/2011

Contractor Name General Motors Global Technology Operations
Official's Name Charles D. Gough
Official's Title Global Manager - Government Contracts
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RECORDED: 08/01/2013

REEL: 030994 FRAME: 0726