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| General Motors Global Technology Operations | Name: <u>United States Department of Energy</u> Internal Address: |
| Additional name(s) of conveying party(ies) attached? Yes 3. Nature of conveyance/Execution Date(s): Execution Date(s) June 24, 2011 Assignment Merger | Street Address: 1000 Independence Ave., S.W. |
| Security Agreement Change of Nar Joint Research Agreement | |
| Government Interest Assignment | State: D.C. |
| Executive Order 9424, Confirmatory License | Country: USA Zip: 20585 |
| Other | Additional name(s) & address(es) attached? ☐ Yes ☑ No |
| | B. Patent No.(s) |
| 5. Name and address to whom correspondence concerning document should be mailed: Name: Mark P. Dvorscak | 6. Total number of applications and patents Involved: 1 |
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CONFIRMATORY LICENSE

Title of Invention:

HIGH EXHAUST TEMPERATURE, ZONED, ELECTRICALLY-HEATED

PARTICULATE MATTER FILTER

Inventor(s):

Eugene V. Gonze; Michael J. Paratore Jr.; Garima Bhatia

Patent Application Serial No:

11/950545

Filing Date 05 Dec 2007

Patent Number:

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-FC04-03AL67635

DOE Case No.: S-

Contractor Docket No.: P002571-US-NP

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, wouldwide 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: 6/24/20//

Contractor Name

General Motors Global Technology Operations

Official's Name

Charles D. Gough Charles D.

Official's Title

Global Manager - Government Contracts

Business Address M/C 483-710-210, 895 Joslyn Avenue, Pontiac, Michigan 48340

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