Form PTO-1595 (Rev. 07/05) U.S. DEPARTMENT OF COMMERCE OMB No. 0651-0027 (exp. 6/30/2008) United States Patent and Trademark Office RECORDATION FORM COVER SHEET S-115,626 MR 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) 2. Name and address of receiving party(ies) Name: United States Department of Energy **GENERAL MOTORS GLOBAL** TECHNOLOGY OPERATIONS Internal Address: Additional name(s) of conveying party(ies) attached? 💹 Yes 🗹 No 3. Nature of conveyance/Execution Date(s): Street Address: 1000 Independence Ave., S.W Execution Date(s) 06/24/2011 Assignment Merger City: Washington ☐ Change of Name Security Agreement ___ Joint Research Agreement State: D.C. Government Interest Assignment Country: USA Zip: 20585 ✓ Executive Order 9424, Confirmatory License Other Additional name(s) & address(es) attached? Yes V No 4. Application or patent number(s): This document is being filed together with a new application. A. Patent Application No.(s) B. Patent No.(s) 12/191,475 Additional numbers attached? Yos Vo 5. Name and address to whom correspondence 6. Total number of applications and patents concerning document should be mailed: involved: 1 Name: Michael J. Dobbs 7. Total fee (37 CFR 1.21(h) & 3.41) \$ Internal Address: U. S. Dept. of Energy, IPLD Authorized to be charged by credit card Authorized to be charged to deposit account Enclosed Street Address: 9800 S. Cass Ave None required (government interest not affecting title) 8. Payment Information City: Argonne a. Credit Card Last 4 Numbers ______ Zip:60439 State: IL Expiration Date _____ Phone Number: 630-252-2164 b. Deposit Account Number Fax Number: 630-252-2779 Authorized User Name Email Address; Confirmatory, License @ch.doe.gov 9. Signature: 10/28/7015 Signature Total number of pages including cover John D. Cravero #71,245 sheet, attachments, and documents: Name of Person Signing

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CONFIRMATORY LICENSE

Title of Invention: WIRELESS ZONED PARTICULATE MATTER FILTER REGENERATION

CONTROL SYSTEM

Inventor(s): Eugene V. Gonze; Michael J. Paintore It; Kevin Kirby; Amanda Phelps; Daniel J.

Gregoire

Patent Application Serial No: 12/191475 Filing Date 14 Aug 2008

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-FC04-03AL67635

DOE Case No : S Contractor Docker No .: p002691-US-NP

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

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

Signed on: 6/24/2011

Contractor Name General Motors Global Technology Operations

Official's Name Charles D Gough Charles O

Official's Title Global Manager - Government Contracts

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

PATENT REEL: 036986 FRAME: 0250

RECORDED: 10/28/2015