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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-122,983 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 V No 3. Nature of conveyance/Execution Date(s): Street Address: 1000 Independence Ave., S.W Execution Date(s) 12/07/2011 Assignment Merger City: Washington Security Agreement Change of Name 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? L Yes 🗹 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) 13/014,607 Additional numbers attached? Yes Vo 5. Name and address to whom correspondence 6. Total number of applications and patents concerning document should be mailed: involved: 1 Name: Mark P. Dvorscak 7. Total fee (37 CFR 1.21(h) & 3.41) \$___ Internal Address: U. S. Dept. of Energy, IPLD 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 State: IL Zip:60439 Expiration Date ____ Phone Number: 630-252-2393 b. Deposit Account Number Fax Number: 630-252-2779 Authorized User Name Email Address: 9. Signature: 1-13-12 Signature Total number of pages including cover Mark C. Lang #55,356 2 sheet, attachments, and documents: Name of Person Signing

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PATENT REEL: 027882 FRAME: 0482



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CONFIRMATORY LICENSE

Methods, Systems and Apparatus for Controlling third harmonic voltage when

operating a multi-phase machine in an overmodulation region Title of Invention:

Milun Perisic, Gabriel Gallegos-Lopez, Michael Kinoshita, Ray Ransom

Inventor(s): Filing Date 01/26/2011 Patent Application Scrial No: 13/014607

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-FC26-07NT43123 DOE Case No.: S-122,983

Contractor Docket No.: p013479

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: 10/07/11

General Motors Global Technology Operations Contractor Name

Official's Name Charles D. Gough

RECORDED: 03/14/2012

Official's Title Global Manager - Government Contracts

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

PATENT

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