

## PATENT ASSIGNMENT

Electronic Version v1.1  
 Stylesheet Version v1.1

|                                                                                      |                                     |
|--------------------------------------------------------------------------------------|-------------------------------------|
| SUBMISSION TYPE:                                                                     | NEW ASSIGNMENT                      |
| NATURE OF CONVEYANCE:                                                                | ASSIGNMENT                          |
| CONVEYING PARTY DATA                                                                 |                                     |
| Name                                                                                 | Execution Date                      |
| TIMOTHY D. JULSON                                                                    | 02/18/2013                          |
| RECEIVING PARTY DATA                                                                 |                                     |
| Name:                                                                                | GM GLOBAL TECHNOLOGY OPERATIONS LLC |
| Street Address:                                                                      | P.O. Box 300                        |
| Internal Address:                                                                    | Mail Code 482-C23-B21               |
| City:                                                                                | Detroit                             |
| State/Country:                                                                       | MICHIGAN                            |
| Postal Code:                                                                         | 48265-3000                          |
| PROPERTY NUMBERS Total: 1                                                            |                                     |
| Property Type                                                                        | Number                              |
| Application Number:                                                                  | 13771234                            |
| CORRESPONDENCE DATA                                                                  |                                     |
| Fax Number:                                                                          | 4803855061                          |
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| ATTORNEY DOCKET NUMBER:                                                              | P018730-GMVE-CD/003.0944            |
| NAME OF SUBMITTER:                                                                   | Matthew Binkowski                   |
| Total Attachments: 1<br>source=20130220_Assignment#page1.tif                         |                                     |

CH \$40.00 13771234

### ASSIGNMENT

Pursuant to an agreement with my employer, I formally assign to GM GLOBAL TECHNOLOGY OPERATIONS LLC, the entire right, title and interest, in all countries and application types, in the improvements set forth in the United States patent application P018730-GMVE-CD (003.0944):

#### METHODS AND APPARATUS FOR DETERMINING ABNORMAL CONDITIONS IN VEHICULAR ELECTRICAL SYSTEM

for which application for Letters Patent of the United States:

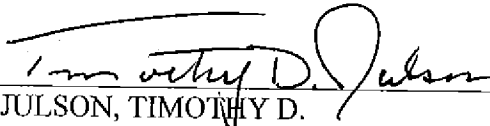
☐ has been executed on even date herewith;  
☐ executed on \_\_\_\_\_;  
☒ was filed on 2/20/2013 and assigned U.S. Serial No. 13771234;

ASSIGNOR hereby authorizes GM GLOBAL TECHNOLOGY OPERATIONS LLC, its successors and assigns, its legal representatives, or anyone it may properly designate, to insert in this instrument the filing date and/or serial number of said application when ascertained.

Inventor's signature

Full name :

Residence :

  
JULSON, TIMOTHY D.  
ROCHESTER HILLS, MICHIGAN

Date 2/18/2013