

## PATENT ASSIGNMENT

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| SUBMISSION TYPE:  | NEW ASSIGNMENT                      |               |                                     |                     |              |                   |                       |                 |            |                |            |               |            |
|---|-------------------------------------|---------------|-------------------------------------|---------------------|--------------|-------------------|-----------------------|-----------------|------------|----------------|------------|---------------|------------|
| NATURE OF CONVEYANCE:   | ASSIGNMENT                          |               |                                     |                     |              |                   |                       |                 |            |                |            |               |            |
| CONVEYING PARTY DATA  |                                     |               |                                     |                     |              |                   |                       |                 |            |                |            |               |            |
| <table border="1"> <thead> <tr> <th>Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>Layne K. Wiggins</td> <td>04/09/2012</td> </tr> <tr> <td>Martin Leven</td> <td>04/09/2012</td> </tr> <tr> <td>Wajdi B. Hamama</td> <td>04/10/2012</td> </tr> <tr> <td>Kauser Ferdous</td> <td>04/09/2012</td> </tr> <tr> <td>Robert Domino</td> <td>04/09/2012</td> </tr> </tbody> </table> |                                     | Name          | Execution Date                      | Layne K. Wiggins    | 04/09/2012   | Martin Leven      | 04/09/2012            | Wajdi B. Hamama | 04/10/2012 | Kauser Ferdous | 04/09/2012 | Robert Domino | 04/09/2012 |
| Name  | Execution Date                      |               |                                     |                     |              |                   |                       |                 |            |                |            |               |            |
| Layne K. Wiggins  | 04/09/2012                          |               |                                     |                     |              |                   |                       |                 |            |                |            |               |            |
| Martin Leven  | 04/09/2012                          |               |                                     |                     |              |                   |                       |                 |            |                |            |               |            |
| Wajdi B. Hamama   | 04/10/2012                          |               |                                     |                     |              |                   |                       |                 |            |                |            |               |            |
| Kauser Ferdous  | 04/09/2012                          |               |                                     |                     |              |                   |                       |                 |            |                |            |               |            |
| Robert Domino   | 04/09/2012                          |               |                                     |                     |              |                   |                       |                 |            |                |            |               |            |
| RECEIVING PARTY DATA  |                                     |               |                                     |                     |              |                   |                       |                 |            |                |            |               |            |
| <table border="1"> <tr> <td>Name:</td> <td>GM Global Technology Operations LLC</td> </tr> <tr> <td>Street Address:</td> <td>P.O. Box 300</td> </tr> <tr> <td>Internal Address:</td> <td>Mail Code 482-C23-B21</td> </tr> <tr> <td>City:</td> <td>Detroit</td> </tr> <tr> <td>State/Country:</td> <td>MICHIGAN</td> </tr> <tr> <td>Postal Code:</td> <td>48265-3000</td> </tr> </table>            |                                     | 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 |
| Name:   | GM Global Technology Operations LLC |               |                                     |                     |              |                   |                       |                 |            |                |            |               |            |
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| Internal Address:   | Mail Code 482-C23-B21               |               |                                     |                     |              |                   |                       |                 |            |                |            |               |            |
| City:   | Detroit                             |               |                                     |                     |              |                   |                       |                 |            |                |            |               |            |
| State/Country:  | MICHIGAN                            |               |                                     |                     |              |                   |                       |                 |            |                |            |               |            |
| Postal Code:  | 48265-3000                          |               |                                     |                     |              |                   |                       |                 |            |                |            |               |            |
| PROPERTY NUMBERS Total: 1   |                                     |               |                                     |                     |              |                   |                       |                 |            |                |            |               |            |
| <table border="1"> <thead> <tr> <th>Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>13490821</td> </tr> </tbody> </table>   |                                     | Property Type | Number                              | Application Number: | 13490821     |                   |                       |                 |            |                |            |               |            |
| Property Type   | Number                              |               |                                     |                     |              |                   |                       |                 |            |                |            |               |            |
| Application Number:   | 13490821                            |               |                                     |                     |              |                   |                       |                 |            |                |            |               |            |
| CORRESPONDENCE DATA   |                                     |               |                                     |                     |              |                   |                       |                 |            |                |            |               |            |
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| ATTORNEY DOCKET NUMBER:   | P020093-PTUS-CD                     |               |                                     |                     |              |                   |                       |                 |            |                |            |               |            |

NAME OF SUBMITTER:

Michael D. Wiggins

Total Attachments: 2

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# 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 P020093-PTUS-CD entitled

## ENGINE CONTROL SYSTEMS AND METHODS WITH HUMIDITY SENSORS

for which I executed a declaration. If the patent application has been filed, I authorize any practitioner associated with Customer No. 74175 to insert the application number and filing date of said application here in parentheses ( \_\_\_\_\_ filed \_\_\_\_\_ ) when known.

If the patent application has been filed provisionally, the application number and filing date of said provisional application(s) assigned herein are as follows:

US Provisional Serial No  
61/607,078

Filed  
06-MAR-2012

Inventor's signature

Layne K. Wiggins

Date April 9, 2012

Full name :

Layne K. Wiggins

Residence :

Dexter, Michigan

Inventor's signature

Martin Leven

Date April 9, 2012

Full name :

Martin Leven

Residence :

West Bloomfield, Michigan

Inventor's signature

Wajdi B. Hamama

Date April 10, 2012

Full name :

Wajdi B. Hamama

Residence :

Whitmore Lake, Michigan

Inventor's signature

Kauser Ferdous

Date April 9th, 2012

Full name :

Kauser Ferdous

Residence :

West Bloomfield, Michigan

Inventor's signature

\_\_\_\_\_

Date \_\_\_\_\_

Full name :

Robert Domino

Residence :

Livonia, Michigan

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US Provisional Serial No      Filed  
61/607,078                      06-MAR-2012

Inventor's signature      \_\_\_\_\_      Date \_\_\_\_\_

Full name :              Layne K. Wiggins

Residence :             Dexter, Michigan

Inventor's signature      \_\_\_\_\_      Date \_\_\_\_\_

Full name :              Martin Leven

Residence :             West Bloomfield, Michigan

Inventor's signature      \_\_\_\_\_      Date \_\_\_\_\_

Full name :              Wajdi B. Hamama

Residence :             Whitmore Lake, Michigan

Inventor's signature      \_\_\_\_\_      Date \_\_\_\_\_

Full name :              Kauser Ferdous

Residence :             West Bloomfield, Michigan

Inventor's signature       \_\_\_\_\_      Date April 9, 2012 \_\_\_\_\_

Full name :              Robert Domino

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