

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>Michael Livshiz</td> <td>08/20/2012</td> </tr> <tr> <td>Jeffrey M. Kaiser</td> <td>08/21/2012</td> </tr> <tr> <td>Timothy M. Kamjate</td> <td>08/22/2012</td> </tr> <tr> <td>Christopher E. Whitney</td> <td>08/23/2012</td> </tr> <tr> <td>Timothy J. Hartrey</td> <td>08/22/2012</td> </tr> <tr> <td>Gregory J. York</td> <td>08/23/2012</td> </tr> </tbody> </table>		Name	Execution Date	Michael Livshiz	08/20/2012	Jeffrey M. Kaiser	08/21/2012	Timothy M. Kamjate	08/22/2012	Christopher E. Whitney	08/23/2012	Timothy J. Hartrey	08/22/2012	Gregory J. York	08/23/2012
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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															
<table border="1"> <thead> <tr> <th>Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>13613588</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13613588										
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CORRESPONDENCE DATA															
Fax Number:	2486410270														
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>															
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ATTORNEY DOCKET NUMBER:	P020655														

CH \$40.00 13613588

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 P020655-PTUS-CD entitled

COORDINATED ENGINE TORQUE CONTROL

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 (13/613,588 filed September 13, 2012) when known.

Inventor's signature *Michael Livshitz* Date 8-20-12
Full name : MICHAEL LIVSHITZ
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Inventor's signature *Jeffrey M. Kaiser* Date 8-21-2012
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Residence : Highland, Michigan

Inventor's signature *Timothy M. Karnjate* Date 8/22/2012
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Residence : Grand Blanc, Michigan

Inventor's signature *Christopher E. Whitney* Date 8/23/2012
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Residence : Commerce, Michigan

Inventor's signature  Date 8/22/2012

Full name : TIMOTHY J. HARTREY

Residence : Brighton, Michigan

Inventor's signature  Date 8-23-2012

Full name : GREGORY J. YORK

Residence : Fenton, Michigan