

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>Andrew P. Bagnasco</td> <td>11/30/2009</td> </tr> <tr> <td>Joshua D. Cowgill</td> <td>12/01/2009</td> </tr> <tr> <td>Raymond Claude Turin</td> <td>11/21/2009</td> </tr> <tr> <td>Matthew A. Wiles</td> <td>11/30/2009</td> </tr> </tbody> </table>		Name	Execution Date	Andrew P. Bagnasco	11/30/2009	Joshua D. Cowgill	12/01/2009	Raymond Claude Turin	11/21/2009	Matthew A. Wiles	11/30/2009
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RECEIVING PARTY DATA											
Name:	GM GLOBAL TECHNOLOGY OPERATIONS, INC.										
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>12640786</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	12640786						
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CORRESPONDENCE DATA											
Fax Number:	(248)641-0270										
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>											
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ATTORNEY DOCKET NUMBER:	P007233-PTCS-CD										
NAME OF SUBMITTER:	Michael D. Wiggins										

CH \$40.00 12640786

Total Attachments: 2

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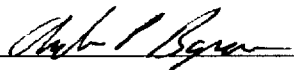
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ASSIGNMENT

Pursuant to an agreement with my employer, I formally assign to GM GLOBAL TECHNOLOGY OPERATIONS, INC., the entire right, title and interest, in all countries and application types, in the improvements set forth in the United States patent application P007233-PTCS-CD entitled

SYSTEMS AND METHODS FOR DIAGNOSING VALVE LIFT MECHANISMS AND OIL CONTROL VALVES OF CAMSHAFT LIFT SYSTEMS

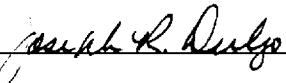
for which I executed a declaration dated as indicated below. If the patent application has been filed, I authorize any patent practitioner associated with Customer Number 74175 to insert the application number and filing date of said application here in parentheses (12/640786 filed 12-17-2009) when known.

Inventor's signature  Date 11/30/2009

Full name : ANDREW P. BAGNASCO Declaration dated :
Residence : PLYMOUTH, MICHIGAN 11/30/2009

Inventor's signature  Date 12/1/09


Full name : JOSHUA D. COWGILL Declaration dated :
Residence : HARTLAND, MICHIGAN 12/1/09

Inventor's signature  Date 11/30/2009

Full name : JOSEPH R. DULZO Declaration dated :
Residence : NOVI, MICHIGAN 11/30/2009

Inventor's signature _____ Date _____

Full name : RAYMOND CLAUDE TURIN Declaration dated :
Residence : GROSSE POINTE PARK, MICHIGAN _____

Inventor's signature  Date 11/30/09

Full name : MATTHEW A. WILES Declaration dated :
Residence : ROYAL OAK, MICHIGAN 12/4/09

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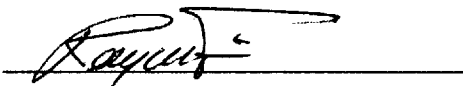
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