

# PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT												
NATURE OF CONVEYANCE:	ASSIGNMENT												
<b>CONVEYING PARTY DATA</b>													
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 70%;">Name</th> <th style="width: 30%;">Execution Date</th> </tr> </thead> <tbody> <tr> <td>Patrick Barasa</td> <td>07/26/2010</td> </tr> <tr> <td>Scot A. Douglas</td> <td>07/26/2010</td> </tr> <tr> <td>Jason D. Mullins</td> <td>07/19/2010</td> </tr> </tbody> </table>		Name	Execution Date	Patrick Barasa	07/26/2010	Scot A. Douglas	07/26/2010	Jason D. Mullins	07/19/2010				
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<b>RECEIVING PARTY DATA</b>													
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 20%;">Name:</td> <td>GM Global Technology Operations, Inc.</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, Inc.	Street Address:	P.O. Box 300	Internal Address:	Mail Code 482-C23-B21	City:	Detroit	State/Country:	MICHIGAN	Postal Code:	48265-3000
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<b>CORRESPONDENCE DATA</b>													
<p>Fax Number: (248)380-8968</p> <p><i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i></p> <p>Phone: 248-380-9300</p> <p>Email: mjb@quinnlawgroup.com</p> <p>Correspondent Name: Quinn Law Group</p> <p>Address Line 1: 39555 Orchard Hill Pl., Ste 520</p> <p>Address Line 4: Novi, MICHIGAN 48375</p>													
ATTORNEY DOCKET NUMBER:	P011308-PTE-DPH												
NAME OF SUBMITTER:	Christopher W. Quinn												
<p>Total Attachments: 2</p> <p>source=Assignment_P011308#page1.tif</p>													

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**PATENT**  
**REEL: 024814 FRAME: 0318**


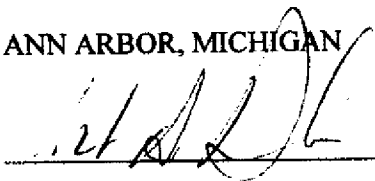


**ASSIGNMENT**

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 P011308-PTUS-DPH entitled

**VEHICLE OXIDATION CATALYST EFFICIENCY MODEL FOR ADAPTIVE CONTROL  
AND DIAGNOSTICS**

for which I executed a declaration dated as indicated below. If the patent application has been filed, I authorize practitioners associated with Customer No. 72823 to insert the application number and filing date of said application here in parentheses (12/853,480 filed 10-AUG-2010) when known.

Inventor's signature	<u></u>	Date	<u>7/26/2010</u>
Full name :	PATRICK BARASA	Declaration dated :	
Residence :	ANN ARBOR, MICHIGAN		<u>7/26/2010</u>
Inventor's signature	<u></u>	Date	<u>07/26/10</u>
Full name :	SCOT A. DOUGLAS	Declaration dated :	
Residence :	HOWELL, MICHIGAN		<u>07/26/10</u>
Inventor's signature	_____	Date	_____
Full name :	JASON DANIEL MULLINS	Declaration dated :	
Residence :	HOWELL, MI.		_____

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

Full name : PATRICK BARASA

Declaration dated : \_\_\_\_\_

Residence : ANN ARBOR, MICHIGAN

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

Date \_\_\_\_\_

Full name : SCOT A. DOUGLAS

Declaration dated : \_\_\_\_\_

Residence : HOWELL, MICHIGAN

Inventor's signature Jason D. Mullins

Date 7-19-2010

Full name : JASON DANIEL MULLINS

Declaration dated : \_\_\_\_\_

Residence : HOWELL, MI.

7-19-2010