

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>Alan W. Hayman</td> <td>08/29/2011</td> </tr> <tr> <td>Robert S. McAlpine</td> <td>08/29/2011</td> </tr> </tbody> </table>		Name	Execution Date	Alan W. Hayman	08/29/2011	Robert S. McAlpine	08/29/2011						
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RECEIVING PARTY DATA													
<table border="1"> <tr> <td>Name:</td> <td>GM GLOBAL TECHNOLOGY OPERATIONS LLC</td> </tr> <tr> <td>Street Address:</td> <td>300 Renaissance Center</td> </tr> <tr> <td>Internal Address:</td> <td>M/C 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:	300 Renaissance Center	Internal Address:	M/C 482-C23-B21	City:	Detroit	State/Country:	MICHIGAN	Postal Code:	48265-3000
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PROPERTY NUMBERS Total: 1													
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Application Number:	13220187												
CORRESPONDENCE DATA													
<p>Fax Number: (248)524-2700</p> <p>Phone: 248-524-2300</p> <p>Email: mrousseau@cantorcolburn.com</p> <p><i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US Mail.</i></p> <p>Correspondent Name: Cantor Colburn LLP</p> <p>Address Line 1: 20 Church Street</p> <p>Address Line 2: 22nd Floor</p> <p>Address Line 4: Hartford, CONNECTICUT 06103</p>													
ATTORNEY DOCKET NUMBER:	P013041												
NAME OF SUBMITTER:	Karl F. Barr Jr.												
<p>Total Attachments: 1</p> <p>source=61H7829#page1.tif</p>													

OP \$40.00 13220187

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 P013041-PTUS-RRM entitled

INTERNAL COMBUSTION ENGINE


for which I executed a declaration. If the patent application has been filed, I authorize any practitioner associated with Customer No. 80748 to insert the application number and filing date of said application here in parentheses (13/226187 filed August 29, 2011) 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
61/378557

Filed
31-AUG-2010

Inventor's signature



Date 29 AUG 11

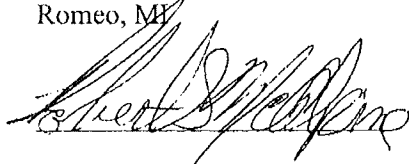
Full name :

ALAN W. HAYMAN

Residence :

Romeo, MI

Inventor's signature



Date 8-29-11

Full name :

ROBERT S MCALPINE

Residence :

Lake Orion, MI