PATENT ASSIGNMENT

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SUBMISSION TYPE: NEW ASSIGNMENT

NATURE OF CONVEYANCE: ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
Alan W. Hayman	08/29/2011

RECEIVING PARTY DATA

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	

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	13220187

CORRESPONDENCE DATA

Fax Number: (248)524-2700

Correspondence will be sent via US Mail when the fax attempt is unsuccessful.

Phone: 860-286-2929

Email: mrousseau@cantorcolburn.com

Correspondent Name: Cantor Colburn LLP-General Motors

Address Line 1: 20 Church Street, 22nd Floor

Address Line 4: Hartford, CONNECTICUT 06103

ATTORNEY DOCKET NUMBER: P013041-PTUS-RRM

NAME OF SUBMITTER: Karl F. Barr, Jr.

Total Attachments: 1

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PATENT REEL: 026823 FRAME: 0023 H \$40.00 1322(

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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 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 23, 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

Filed

61/378557

31-ALI66

Inventor's signature

Date 29AUG/

Full name:

ALAN W. HAYMAN

Residence:

Romeo, My

Inventor's signature

Date 8-29-//

Full name:

ROBERT S MCALPINE

Residence:

Lake Orion, MI

PATENT REEL: 026823 FRAME: 0024

RECORDED: 08/29/2011