

## PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
Alan W. Hayman	02/02/2012
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:	13368398
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ATTORNEY DOCKET NUMBER:	P013148-PTUS-RRM
NAME OF SUBMITTER:	David P. Wood
Total Attachments: 1 source=66U7180#page1.tif	

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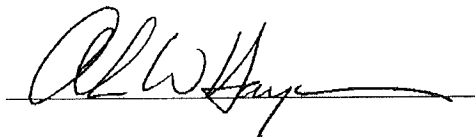
**ASSIGNMENT**

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 P013148-PTUS-RRM entitled

**CRANKSHAFT FOR AN 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 (13/368,398 filed Feb. 8, 2012) when known.

Inventor's signature



Date 02 FEB, 2012

Full name :

ALAN W. HAYMAN

Residence :

ROMEO, MICHIGAN