

# PATENT ASSIGNMENT

Electronic Version v1.1

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<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
Qi Ma	06/17/2010
Robert Douglas Shafto	06/17/2010
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	GM Global Technology Operations, Inc.
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<b>Internal Address:</b>	Mail Code 482-C23-B21
<b>City:</b>	Detroit
<b>State/Country:</b>	MICHIGAN
<b>Postal Code:</b>	48265-3000
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	12835942
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<b>ATTORNEY DOCKET NUMBER:</b>	P011237-PTUS-CD
<b>NAME OF SUBMITTER:</b>	Michael D. Wiggins
<b>Total Attachments: 1</b> source=ASSIGNMENT P011237#page1.tif	

CH \$40.00 12835942

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**PATENT**  
**REEL: 024690 FRAME: 0697**

### 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 P011237-PTUS-CD entitled

#### INTAKE MANIFOLD REFILL AND HOLDING CONTROL SYSTEMS AND METHODS

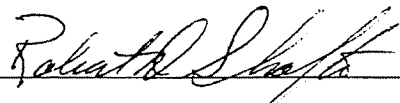
for which I executed a declaration dated as indicated below. If the patent application has been filed, I authorize any patent practitioner associated with Customer Number 74175 to insert the application number and filing date of said application here in parentheses (12/835942 filed 7-14-2010) when known.

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
61/350120	01-JUN-2010

Inventor's signature	<u></u>	Date	<u>6-17-2010</u>
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Full name :	QI MA	Declaration dated :	
Residence :	FARMINGTON HILLS, MICHIGAN		<u>6-17-2010</u>

Inventor's signature	<u></u>	Date	<u>6-17-2010</u>
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Full name :	ROBERT DOUGLAS SHAFTO	Declaration dated :	
Residence :	NEW HUDSON, MICHIGAN		<u>6-17-2010</u>