

**PATENT ASSIGNMENT**

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
Shengming Chang	03/01/2010
Mark S. Huebler	03/01/2010
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<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
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Total Attachments: 2 source=Assignment-P001066-GMC9110#page1.tif source=Assignment-P001066-GMC9110#page2.tif	

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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 P001066/RD/MJL entitled

INTERNAL COMBUSTION ENGINE PORT DESIGN LAYOUT FOR ENHANCED IN-CYLINDER SWIRL GENERATION

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 No. 70465 to insert the application number and filing date of said application here in parentheses (12/719,050 filed 08-MAR-2010) when known.

Inventor's signature	<u>Shengming Chang</u>	Date	<u>03/01/2010</u>
Full name :	SHENGMING CHANG	Declaration dated :	
Residence :	TROY, MICHIGAN		<u>03/01/2010</u>
Inventor's signature	_____	Date	_____
Full name :	MARK S. HUEBLER	Declaration dated :	
Residence :	SHELBY TOWNSHIP, MICHIGAN		_____

Customer No. 70465  
P001066/RD/MJL, Page 1

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

Full name : SHENGMING CHANG Declaration dated :

Residence : TROY, MICHIGAN \_\_\_\_\_

Inventor's signature  \_\_\_\_\_ Date MARCH 1, 2010

Full name : MARK S. HUEBLER Declaration dated :

Residence : SHELBY TOWNSHIP, MICHIGAN MARCH 1, 2010