

PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
Bryan Nathaniel Roos	07/22/2009
Brian Spohn	07/22/2009
Halim G. Santoso	07/17/2009
Eugene V. Gonze	07/17/2009
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PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	12551859
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ATTORNEY DOCKET NUMBER:	P006846-PTH-RRM
NAME OF SUBMITTER:	Michael D. Wiggins

CH \$40.00 12551859

Total Attachments: 1
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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 P006846-PTH-RRM entitled

CATALYST TEMPERATURE CONTROL SYSTEMS AND METHODS FOR HYBRID VEHICLES

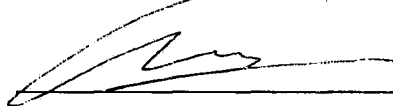
for which I executed a declaration dated as indicated below. If the patent application has been filed, I authorize any patent practitioner associated with Customer Number 74175 to insert the application number and filing date of said application here in parentheses (12/551859 filed 9/1/2009) when known.

Inventor's signature  Date 7/22/09

Full name : BRYAN NATHANIEL ROOS Declaration dated :
Residence : NOVI, MICHIGAN 7/22/09

Inventor's signature  Date 7-22-09

Full name : BRIAN SPOHN Declaration dated :
Residence : HOLLY, MICHIGAN 7-22-09

Inventor's signature  Date 7-17-2009

Full name : HALIM G SANTOSO Declaration dated :
Residence : NOVI, MICHIGAN 7-17-2009

Inventor's signature  Date 7-17-2009

Full name : EUGENE V. GONZE Declaration dated :
Residence : PINCKNEY, MICHIGAN 7-17-2009