

# PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT	
NATURE OF CONVEYANCE:	ASSIGNMENT	
CONVEYING PARTY DATA		
Name		Execution Date
ANTHONY H. HEAP		03/29/2007
JOHN L. LAHTI		03/29/2007
RECEIVING PARTY DATA		
Name:	GM GLOBAL TECHNOLOGY OPERATIONS, INC	
Street Address:	300 Renaissance Center	
Internal Address:	Mail Code 482-C23-B21	
City:	Detroit	
State/Country:	MICHIGAN	
Postal Code:	48265-3000	
PROPERTY NUMBERS Total: 1		
Property Type	Number	
Application Number:	11737211	
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ATTORNEY DOCKET NUMBER:	P000189-PTH-CD	
NAME OF SUBMITTER:	Stephanie Harbin	
Total Attachments: 1 source=ASSIGN-P000189-PTH-CD#page1.tif		

CH \$40.00 11737211

**PATENT**

**500263912**

**REEL: 019200 FRAME: 0176**

### 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 P000189-US-NP/PTH/CD entitled

#### METHOD AND APPARATUS TO OPTIMIZE ENGINE WARM UP

for which I executed a declaration dated as indicated below. If the patent application has been filed, I authorize attorney CHRISTOPHER DEVRIES to insert the application number and filing date of said application here in parentheses ( 11/737,211 filed April 19, 2007 ) when known.

Inventor's signature	<u>Anthony H. Heap</u>	Date	<u>March 29, 2007</u>
Full name :	ANTHONY H. HEAP	Declaration dated :	
Residence :	ANN ARBOR, MICHIGAN		<u>March 29, 2007</u>
Inventor's signature	<u>John L. Lahti</u>	Date	<u>March 29, 2007</u>
Full name :	JOHN L. LAHTI	Declaration dated :	
Residence :	NOVI, MICHIGAN		<u>March 29, 2007</u>