

PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
Donald Chan	10/02/2009
William L. Aldrich III	10/02/2009
John L. Lahti	10/02/2009
Birendra P. Bhattarai	10/05/2009
Krunal P. Patel	10/02/2009
Ning Jin	10/02/2009
RECEIVING PARTY DATA	
Name:	GM Global Technology Operations, Inc.
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Internal Address:	Mail Code 482-C23-B21
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State/Country:	MICHIGAN
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PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	12579694
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ATTORNEY DOCKET NUMBER:	P006570-PTH-RRM

CH \$40.00 12579694

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**PATENT
 REEL: 023382 FRAME: 0068**

NAME OF SUBMITTER:

Christopher W. Quinn

Total Attachments: 2

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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 P006570-PTH-RRM entitled

METHOD AND APPARATUS FOR OPTIMIZING ENGINE IDLE SPEED IN A VEHICLE

for which I executed a declaration dated as indicated below. If the patent application has been filed, I authorize practitioners associated with Customer No. 72823 to insert the application number and filing date of said application here in parentheses (12/579,694 filed 15-OCT-2009) when known.

Inventor's signature  Date 10/2/2009

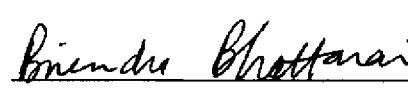
Full name : DONALD CHAN Declaration dated :
Residence : FARMINGTON HILLS, MICHIGAN 10/2/2009

Inventor's signature  Date 10/02/2009

Full name : WILLIAM L. ALDRICH III Declaration dated :
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Full name : JOHN L. LAHTI Declaration dated :
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Inventor's signature  Date 10/05/2009

Full name : BIRENDRA P. BHATTARAI Declaration dated :
Residence : NOVI, MICHIGAN 10/05/2009

Inventor's signature Krunal P Patel

Date 10/02/2009

Full name : KRUNAL P PATEL

Declaration dated :

Residence : STERLING HEIGHT, MICHIGAN

10/02/2009

Inventor's signature Ning Jin

Date 10/02/2009

Full name : NING JIN

Declaration dated :

Residence : NOVI, MICHIGAN

10/02/2009