

# PATENT ASSIGNMENT

Electronic Version v1.1

Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT												
NATURE OF CONVEYANCE:	ASSIGNMENT												
<b>CONVEYING PARTY DATA</b>													
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 70%;">Name</th> <th style="width: 30%;">Execution Date</th> </tr> </thead> <tbody> <tr> <td>Vijay Ramappan</td> <td>06/09/2009</td> </tr> <tr> <td>Peter Kafarnik</td> <td>06/08/2009</td> </tr> <tr> <td>Jun-Mo Kang</td> <td>06/04/2009</td> </tr> </tbody> </table>		Name	Execution Date	Vijay Ramappan	06/09/2009	Peter Kafarnik	06/08/2009	Jun-Mo Kang	06/04/2009				
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<b>RECEIVING PARTY DATA</b>													
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 20%;">Name:</td> <td>GM GLOBAL TECHNOLOGY OPERATIONS, INC.</td> </tr> <tr> <td>Street Address:</td> <td>P.O. BOX 300</td> </tr> <tr> <td>Internal Address:</td> <td>Mail Code 482-C23-B21</td> </tr> <tr> <td>City:</td> <td>DETROIT</td> </tr> <tr> <td>State/Country:</td> <td>MICHIGAN</td> </tr> <tr> <td>Postal Code:</td> <td>48265-3000</td> </tr> </table>		Name:	GM GLOBAL TECHNOLOGY OPERATIONS, INC.	Street Address:	P.O. BOX 300	Internal Address:	Mail Code 482-C23-B21	City:	DETROIT	State/Country:	MICHIGAN	Postal Code:	48265-3000
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Application Number:	12493554												
<b>CORRESPONDENCE DATA</b>													
<p>Fax Number: (248)641-0270</p> <p><i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i></p> <p>Phone: 248-641-1600</p> <p>Email: madams@hdp.com</p> <p>Correspondent Name: HARNESS, DICKEY &amp; PIERCE, P.L.C.</p> <p>Address Line 1: P.O. Box 828</p> <p>Address Line 4: Bloomfield Hills, MICHIGAN 48303</p>													
ATTORNEY DOCKET NUMBER:	P008141-PTE-CD												
NAME OF SUBMITTER:	Michael D. Wiggins												
<p>Total Attachments: 3</p> <p>source=ASSIGNMENT P008141#page1.tif</p>													

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**PATENT**  
**REEL: 022893 FRAME: 0686**

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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 P008141-PTE-CD entitled

#### HCCI MODE SWITCHING CONTROL SYSTEM AND METHOD

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 (12/493554 filed June 29, 2009) 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
61/173331	28-APR-2009

Inventor's signature	<u>Vijay Ramappan</u>	Date	<u>6-9-09</u>
Full name :	VIJAY RAMAPPAN	Declaration dated :	
Residence :	NOVI, MICHIGAN		
Inventor's signature		Date	
Full name :	PETER KAFARNIK	Declaration dated :	
Residence :	ELTVILLE-ERBACH, GERMANY		
Inventor's signature		Date	
Full name :	JUN-MO KANG	Declaration dated :	
Residence :	ANN ARBOR, MICHIGAN		

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Inventor's signature	_____	Date	_____
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Full name :	VIJAY RAMAPPAN
-------------	----------------

Declaration dated : \_\_\_\_\_

Residence :	NOVI, MICHIGAN
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Inventor's signature	<u>Peter Kafarnik</u>
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Date 06/08/2009

Full name :	PETER KAFARNIK
-------------	----------------

Declaration dated : 06/08/2009

Residence :	ELTVILLE-ERBACH, GERMANY
-------------	--------------------------

Inventor's signature	_____
----------------------	-------

Date \_\_\_\_\_

Full name :	JUN-MO KANG
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Declaration dated : \_\_\_\_\_

Residence :	ANN ARBOR, MICHIGAN
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Inventor's signature	_____	Date	_____
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Full name :	PETER KAFARNIK
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Declaration dated : \_\_\_\_\_

Residence :	ELTVILLE-ERBACH, GERMANY
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Inventor's signature		Date	<u>6/4/2009</u>
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Full name :	JUN-MO KANG
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Declaration dated : \_\_\_\_\_

Residence :	ANN ARBOR, MICHIGAN
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6/4/2009