PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
Sai S.V. Rajagopalan	12/01/2009
Jason Meyer	11/30/2009
Shawn W. Midlam-Mohler	11/30/2009
Kenneth P. Dudek	12/18/2009
Stephen Yurkovich	11/30/2009
Yann G. Guezennec	11/30/2009

RECEIVING PARTY DATA

Name:	GM GLOBAL TECHNOLOGY OPERATIONS, INC.
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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:	12687484

CORRESPONDENCE DATA

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ATTORNEY DOCKET NUMBER: P009508-PTCS-CD

PATENT

REEL: 023787 FRAME: 0627

NAME OF SUBMITTER:	Michael D. Wiggins
Total Attachments: 4 source=ASSIGNMENT P009508#page1.tif source=ASSIGNMENT P009508#page2.tif source=ASSIGNMENT P009508#page3.tif source=ASSIGNMENT P009508#page4.tif	

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 P009508-PTCS-CD entitled

CONTROL SYSTEMS AND METHODS USING GEOMETRY BASED EXHAUST MIXING MODEL

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 (12/687484 filed Jan.14, 2010) 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:

Filed

30-SEP-2009

US Provisional Serial No

61/247049

Inventor's signature	Some	Date 12/1/2009
Full name:	SAI S.V. RAJAGOPALAN	Declaration dated :
Residence:	STERLING HEIGHTS, MICHIGAN	
Inventor's signature		Date
Full name:	JASON MEYER	Declaration dated:
Residence:	DAYTON, OHIO	
Inventor's signature		Date
Full name:	SHAWN W. MIDLAM-MOHLER	Declaration dated:
Residence:	COLUMBUS, OHIO	
Inventor's signature		Date
Full name:	KENNETH P. DUDEK	Declaration dated:
Dasidence :	POCHESTER HILLS MICHIGAN	

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Inventor's signature		Date
Full name:	SAI S.V. RAJAGOPALAN	Declaration dated:
Residence:	STERLING HEIGHTS, MICHIGAN	
Inventor's signature	g 2	Date // - 30 - 69
Full name:	JASON MEYER	Declaration dated:
Residence:	DAYTON, OHIO	11-30-09
Inventor's signature	Show W Neido Nen	Date 11-30-09
Full name :	SHAWN W. MIDLAM-MOHLER	Declaration dated:
Residence:	COLUMBUS, OHIO	11-30-09
Inventor's signature		Date
Full name:	KENNETH P. DUDEK	Declaration dated:
Residence:	ROCHESTER HILLS, MICHIGAN	

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Residence :	STERLING HEIGHTS, MICHIGAN	
Inventor's signature		Date
Full name :	JASON MEYER	Declaration dated:
Residence:	DAYTON, OHIO	
Inventor's signature		Date
Full name :	SHAWN W. MIDLAM-MOHLER	Declaration dated:
Residence :	COLUMBUS, OHIO	
Inventor's signature	MANAP Orche	Date 12 18 2009
Full name :	KENNETH P. DUDEK	Declaration dated:
Residence :	ROCHESTER HILLS MICHIGAN	2005/18/16

Customer No. 74175 P009508-PTCS-CD, Page 2

Hap Gentin	Date 11/30/09
STEPHEN YURKOVICH	Declaration dated:
COLUMBUS, OHIO	
for 1	Date <u>\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \</u>
YAMN G. GUEZENNEC	Declaration dated:
UPPER ARLINGTON, OHIO	V/30/09
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PATENT REEL: 023787 FRAME: 0632

RECORDED: 01/14/2010