

GP-306645, Page 1

**General Motors Corporation, Legal Staff  
Mail Code 482-C23-B21  
P.O. Box 300, Detroit, MI 48265-3000**

27-OCT-05

Mail Stop Assignment Recordation Services  
Director of the US Patent and Trademark Office  
PO Box 1450  
Alexandria VA 22313-1450

Fax No. 571-273-0140

Enclosed for recording is Assignment documentation for the following patent application:

Application No. 11/233978 filed September 23, 2005  
Attorney Docket No. GP-306645

(1) Assignor/Inventors: CHAD E. MARLETT  
RAHUL MITAL

(2) Assignee: GM GLOBAL TECHNOLOGY OPERATIONS, INC.  
DETROIT, MI

(3) Assignment of patent  
application

(4) Address correspondence to: CHRISTOPHER DEVRIES  
General Motors Corporation, Legal Staff  
Mail Code 482-C23-B21  
P.O. Box 300, Detroit, MI 48265-3000

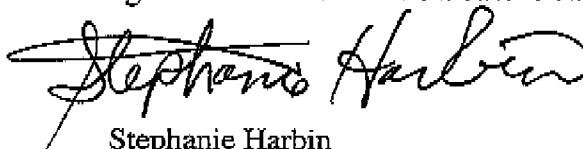
(5) Number of applications: 1  
Total Fee: 40.00

(6) Date documentation executed: August 21 and 26, 2005

(7) To the best of my knowledge and belief, the information contained on this cover sheet is true and correct and any copy submitted is a true copy of the original document.

Title: OPTIMIZATION OF HYDROCARBON INJECTION DURING DIESEL  
PARTICULATE FILTER (DPF) REGENERATION

Please charge the \$40.00 assignment recording fee to GENERAL MOTORS CORPORATION  
Deposit Account No. 07-0960.



Stephanie Harbin  
313/665-7536

Total number of pages including cover sheet, attachments and document: 2

Enclosures

700220836

**PATENT**  
**REEL: 016943 FRAME: 0815**

CH \$40.00 070960 11233978

GP-306645, Page 1

## 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, in the improvements set forth in the United States patent application GP-306645 entitled

OPTIMIZATION OF HYDROCARBON INJECTION DURING DIESEL  
PARTICULATE FILTER (DPF) REGENERATION

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 (11/233,978 filed September 23, 2005) when known.

Inventor's signature



Date

8/26/05

Full name :

CHAD E. MARLETT

Declaration dated :

Residence :

PLYMOUTH, MICHIGAN

8/26/05

Inventor's signature



Date

August 21, 2005

Full name :

RAHUL MITAL

Declaration dated :

Residence :

ROCHESTER HILLS, MICHIGAN

August 21, 2005

PATENT

RECORDED: 10/27/2005

REEL: 016943 FRAME: 0816