

## PATENT ASSIGNMENT

Electronic Version v1.1

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SUBMISSION TYPE:

NEW ASSIGNMENT

NATURE OF CONVEYANCE:

ASSIGNMENT

## CONVEYING PARTY DATA

Name	Execution Date
James L. Worthing	02/13/2009
Michael Livshiz	02/13/2009
Christopher E. Whitney	02/13/2009
Ning Jin	02/13/2009
Martin Weber	02/16/2009
Enrico Tropschug	02/16/2009

## RECEIVING PARTY DATA

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

## PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	12397721

## CORRESPONDENCE DATA

Fax Number: (248)641-0270

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ATTORNEY DOCKET NUMBER:

P005256-PTE-CD

PATENT

500797289

REEL: 022344 FRAME: 0435

CH \$40.00 12397721

NAME OF SUBMITTER:

Michael D. Wiggins

Total Attachments: 3

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**PATENT**

**REEL: 022344 FRAME: 0436**

### 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 P005256-US-PTE-CD entitled

### COMMANDED AND ESTIMATED ENGINE TORQUE ADJUSTMENT

for which I executed a declaration dated as indicated below. If the patent application has been filed, I authorize attorney CHRISTOPHER DEVRIES and MICHAEL D. WIGGINS to insert the application number and filing date of said application here in parentheses (12/397721 filed 3-4-09) 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  
61/092938                      29-AUG-2008

Inventor's signature James L. Worthing      Date 2/13/2009

Full name : JAMES L. WORTHING

Declaration dated :

Residence : MUNITH, MICHIGAN

2/13/2009

Inventor's signature Michael Livshiz

Date 2/13/09

Full name : MICHAEL LIVSHIZ

Declaration dated :

Residence : ANN ARBOR, MICHIGAN

2/13/09

Inventor's signature Christopher E. Whitney

Date 2/13/09

Full name : CHRISTOPHER E. WHITNEY

Declaration dated :

Residence : HIGHLAND, MICHIGAN

2/13/09

Inventor's signature Tim J

Date 2/13/2009

Full name : NING JIN  
Residence : NOVI, MICHIGAN

Declaration dated :

2/13/2009

Inventor's signature

Date

Full name : Martin Weber

Declaration dated :

Residence : FRANKFURT, GERMANY

Inventor's signature

Date

Full name : ENRICO TROPSCHUG

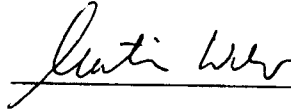
Declaration dated :

Residence : HATTERSHEIM, GERMANY

Full name : NING JIN

Residence : NOVI, MICHIGAN

Inventor's signature

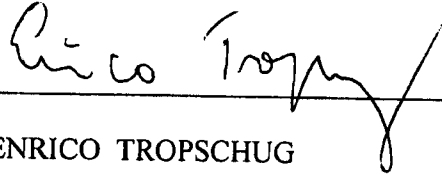


Date 16.02.2003

Full name : Martin Weber

Residence : FRANKFURT, GERMANY

Inventor's signature



Date 16.02.2003

Full name : ENRICO TROPSCHUG

Residence : HATTERSHEIM, GERMANY

Declaration dated :