

PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT												
NATURE OF CONVEYANCE:	ASSIGNMENT												
CONVEYING PARTY DATA													
<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width:70%;">Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>Christopher E. Whitney</td> <td>12/02/2008</td> </tr> <tr> <td>Robert J. Genslak</td> <td>12/02/2008</td> </tr> <tr> <td>Edward Stuteville</td> <td>12/02/2008</td> </tr> <tr> <td>Cheryl A. Williams</td> <td>12/03/2008</td> </tr> <tr> <td>Robert C. Simon Jr.</td> <td>12/02/2008</td> </tr> </tbody> </table>		Name	Execution Date	Christopher E. Whitney	12/02/2008	Robert J. Genslak	12/02/2008	Edward Stuteville	12/02/2008	Cheryl A. Williams	12/03/2008	Robert C. Simon Jr.	12/02/2008
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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													
<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width:30%;">Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>12334778</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	12334778								
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Application Number:	12334778												
CORRESPONDENCE DATA													
Fax Number:	(248)641-0270												
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>													
Phone:	248 641 1600												
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Address Line 4:	Bloomfield Hills, MICHIGAN 48303												
ATTORNEY DOCKET NUMBER:	P002170-PTE-CD												
NAME OF SUBMITTER:	Michael D. Wiggins												

CH \$40.00 12334778

Total Attachments: 3

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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 P002170-PTE-CD entitled

RESERVE TORQUE FOR LEAN EQUIVALENCE RATIO REQUESTS

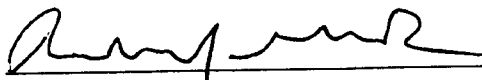
for which I executed a declaration dated as indicated below. If the patent application has been filed, I authorize attorney CHRISTOPHER DEVRIES and MICHAEL D. WIGGINS to insert the application number and filing date of said application here in parentheses (12/334778 filed Dec. 15, 2008) when known.

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
61/039524 26-MAR-2008

Inventor's signature  Date 12-02-08

Full name : CHRISTOPHER E. WHITNEY Declaration dated :
Residence : HIGHLAND, MICHIGAN 12-02-08

Inventor's signature  Date 12/02/08

Full name : ROBERT J. GENSLAK Declaration dated :
Residence : MACOMB, MICHIGAN 12/02/08

Inventor's signature  Date 12/02/08

Full name : EDWARD STUTEVILLE Declaration dated :
Residence : LINDEN, MICHIGAN 12/02/08

Inventor's signature Cheryl A Williams

Date 12/03/08

Full name : CHERYL A. WILLIAMS

Declaration dated :

Residence : HOWELL, MICHIGAN

12/03/08

Inventor's signature _____

Date _____

Full name : ROBERT C. SIMON JR.

Declaration dated :

Residence : BRIGHTON , MICHIGAN

Inventor's signature _____ Date _____

Full name : CHERYL A. WILLIAMS Declaration dated :

Residence : HOWELL, MICHIGAN _____

Inventor's signature Robert C Simon Jr Date 12/2/08

Full name : ROBERT C. SIMON JR. Declaration dated :

Residence : BRIGHTON , MICHIGAN 12/2/08