

PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT												
NATURE OF CONVEYANCE:	ASSIGNMENT												
CONVEYING PARTY DATA													
<table border="1"> <thead> <tr> <th>Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>Yong Xu</td> <td>08/31/2009</td> </tr> <tr> <td>Wenbo Wang</td> <td>08/31/2009</td> </tr> <tr> <td>Vincent A. White</td> <td>09/01/2009</td> </tr> <tr> <td>Richard H. Clutz</td> <td>08/31/2009</td> </tr> <tr> <td>Douglas J. Moening</td> <td>08/31/2009</td> </tr> </tbody> </table>		Name	Execution Date	Yong Xu	08/31/2009	Wenbo Wang	08/31/2009	Vincent A. White	09/01/2009	Richard H. Clutz	08/31/2009	Douglas J. Moening	08/31/2009
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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"> <thead> <tr> <th>Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>12578063</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	12578063								
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CORRESPONDENCE DATA													
Fax Number:	(248)641-0270												
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NAME OF SUBMITTER:	Michael D. Wiggins												

CH \$40.00 12578063

Total Attachments: 2

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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 P006767-PTE-CD entitled

ASYMMETRICAL OXYGEN SENSOR DIAGNOSTIC AND DEGRADATION COMPENSATION SYSTEMS

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 (12/578063 filed 10-13-2009) when known.

Inventor's signature	<u>Yong Xu</u>	Date	<u>8/31/09</u>
Full name :	YONG XU	Declaration dated :	<u>8/31/09</u>
Residence :	ANN ARBOR, MICHIGAN		
Inventor's signature	<u>Wenbo Wang</u>	Date	<u>8/31/09</u>
Full name :	WENBO WANG	Declaration dated :	
Residence :	NOVI, MICHIGAN		<u>8/31/09</u>
Inventor's signature	_____	Date	_____
Full name :	VINCENT A. WHITE	Declaration dated :	
Residence :	NORTHVILLE, MICHIGAN		
Inventor's signature	<u>Richard H. Clutz</u>	Date	<u>8/31/2009</u>
Full name :	RICHARD H. CLUTZ	Declaration dated :	
Residence :	HOWELL, MICHIGAN		<u>8/31/2009</u>
Inventor's signature	<u>Douglas J. Moening</u>	Date	<u>8/31/09</u>
Full name :	DOUGLAS J. MOENING	Declaration dated :	
Residence :	HIGHLAND, MICHIGAN		<u>8/31/09</u>

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Inventor's signature _____ Date _____

Full name : YONG XU Declaration dated :

Residence : ANN ARBOR, MICHIGAN _____

Inventor's signature _____ Date _____

Full name : WENBO WANG Declaration dated :

Residence : NOVI, MICHIGAN _____

Inventor's signature Vincent A White Date 9-1-09

Full name : VINCENT A. WHITE Declaration dated :

Residence : NORTHVILLE, MICHIGAN 9-1-09

Inventor's signature _____ Date _____

Full name : RICHARD H. CLUTZ Declaration dated :

Residence : HOWELL, MICHIGAN _____

Inventor's signature _____ Date _____

Full name : DOUGLAS J. MOENING Declaration dated :

Residence : HIGHLAND, MICHIGAN _____