

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>Etsuko Muraji Stewart</td> <td>12/14/2011</td> </tr> <tr> <td>Scott H. Wittkopp</td> <td>12/13/2011</td> </tr> <tr> <td>Stuart R. Smith</td> <td>12/13/2011</td> </tr> </tbody> </table>		Name	Execution Date	Etsuko Muraji Stewart	12/14/2011	Scott H. Wittkopp	12/13/2011	Stuart R. Smith	12/13/2011				
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RECEIVING PARTY DATA													
<table border="1"> <tr> <td>Name:</td> <td>GM Global Technology Operations LLC</td> </tr> <tr> <td>Street Address:</td> <td>P.O. Box 300</td> </tr> <tr> <td>Internal Address:</td> <td>Mail Code 482-C23-B21</td> </tr> <tr> <td>City:</td> <td>Detroit</td> </tr> <tr> <td>State/Country:</td> <td>MICHIGAN</td> </tr> <tr> <td>Postal Code:</td> <td>48265-3000</td> </tr> </table>		Name:	GM Global Technology Operations LLC	Street Address:	P.O. Box 300	Internal Address:	Mail Code 482-C23-B21	City:	Detroit	State/Country:	MICHIGAN	Postal Code:	48265-3000
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Application Number:	13404513												
CORRESPONDENCE DATA													
<p>Fax Number: (248)641-0270 Phone: 248-641-1600 Email: madams@hdp.com <i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US Mail.</i></p> <p>Correspondent Name: Harness, Dickey & Pierce, P.L.C. Address Line 1: P.O. Box 828 Address Line 4: Bloomfield Hills, MICHIGAN 48303</p>													
ATTORNEY DOCKET NUMBER:	P017784-PTUS-CD												
NAME OF SUBMITTER:	Michael D. Wiggins												
Total Attachments: 1 source=ASSIGNMENT_P017784#page1.tif													

CH \$40.00 13404513

ASSIGNMENT

Pursuant to an agreement with my employer, I formally assign to GM GLOBAL TECHNOLOGY OPERATIONS LLC, the entire right, title and interest, in all countries and application types, in the improvements set forth in the United States patent application P017784-PTUS-CD entitled

OZONE CONVERTING CATALYST FAULT IDENTIFICATION SYSTEMS AND METHODS

for which I executed a declaration. If the patent application has been filed, I authorize any practitioner associated with Customer No. 74175 to insert the application number and filing date of said application here in parentheses (131404513 filed Feb. 24, 2012) 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
61/548950	19-OCT-2011

Inventor's signature	<u>Etsuko M. Stewart</u>	Date <u>14 Dec. 2011</u>
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Full name : Etsuko Muraji Stewart

Residence : Laingsburg, Michigan

Inventor's signature	<u>Scott H. Wittkopp</u>	Date <u>13 Dec 2011</u>
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Full name : Scott H. Wittkopp

Residence : Ypsilanti, Michigan

Inventor's signature	<u>Stuart R. Smith</u>	Date <u>13 Dec 2011</u>
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Full name : Stuart R. Smith

Residence : Howell, Michigan