

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>Anthony H. Heap</td> <td>08/15/2012</td> </tr> <tr> <td>Sean W. McGrogan</td> <td>08/08/2012</td> </tr> <tr> <td>Krunal P. Patel</td> <td>08/08/2012</td> </tr> </tbody> </table>		Name	Execution Date	Anthony H. Heap	08/15/2012	Sean W. McGrogan	08/08/2012	Krunal P. Patel	08/08/2012				
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<table border="1"> <tr> <td>Name:</td> <td>GM Global Technology Operations LLC</td> </tr> <tr> <td>Street Address:</td> <td>300 Renaissance Center</td> </tr> <tr> <td>Internal Address:</td> <td>Mail Code 482-C23-B21, P.O. Box 300</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:	300 Renaissance Center	Internal Address:	Mail Code 482-C23-B21, P.O. Box 300	City:	Detroit	State/Country:	MICHIGAN	Postal Code:	48265-3000
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PROPERTY NUMBERS Total: 1													
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Application Number:	13568051												
CORRESPONDENCE DATA													
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ATTORNEY DOCKET NUMBER:	P020822-PTUS-RRM-GMC12139												
NAME OF SUBMITTER:	Ann J. Mott												
Total Attachments: 1 source=Assignment-P020822-GMC12139 F#page1.tif													

CH \$40.00 13568051

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 P020822-PTUS-RRM entitled

METHOD AND APPARATUS FOR EXECUTING A TRANSMISSION RANGE SHIFT IN A MULTI-MODE POWERTRAIN SYSTEM

for which I executed a declaration. If the patent application has been filed, I authorize any practitioner associated with Customer No. 70465 to insert the application number and filing date of said application here in parentheses (13/568,051 filed 06-AUG-2012) when known.

Inventor's signature Anthony H. Heap Date 2012/08/15

Full name : ANTHONY H. HEAP

Residence : ANN ARBOR, MICHIGAN

Inventor's signature Sean W. McGrogan Date 2012/08/08

Full name : SEAN W. MCGROGAN

Residence : ANN ARBOR, MICHIGAN

Inventor's signature Krunal P. Patel Date 08/08/2012

Full name : KRUNAL P. PATEL

Residence : STERLING HEIGHTS, MICHIGAN