

PATENT ASSIGNMENT

Electronic Version v1.1

Stylesheet Version v1.1

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>Yanyan Zhang</td> <td>10/16/2012</td> </tr> <tr> <td>Joseph Mussro</td> <td>10/16/2012</td> </tr> </tbody> </table>		Name	Execution Date	Yanyan Zhang	10/16/2012	Joseph Mussro	10/16/2012
Name	Execution Date						
Yanyan Zhang	10/16/2012						
Joseph Mussro	10/16/2012						
RECEIVING PARTY DATA							
Name:	GM Global Technology Operations LLC						
Street Address:	300 Renaissance Center						
Internal Address:	M/C482-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>13660020</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13660020		
Property Type	Number						
Application Number:	13660020						
CORRESPONDENCE DATA							
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Total Attachments: 1 source=Assignment - P015974#page1.tif							

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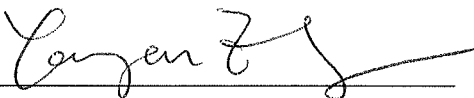
PATENT

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 P015974-PTFC-CHE entitled

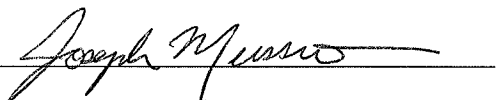
SYSTEMS AND METHODS FOR CONTROLLING A COMPRESSOR RECIRCULATION VALVE

for which I executed a declaration. If the patent application has been filed, I authorize any practitioner associated with Customer No. 75510 to insert the application number and filing date of said application here in parentheses (13/660,020 filed October 25, 2012) when known.

Inventor's signature  Date 10/16/2012

Full name : YANYAN ZHANG

Residence : VICTOR, NEW YORK

Inventor's signature  Date 10/16/12

Full name : JOSEPH MUSSRO

Residence : PITTSFORD, NEW YORK