

## 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>Jonathan R. Schwarz</td><td>03/28/2011</td></tr><tr><td>Gregory E. Smith</td><td>03/04/2011</td></tr><tr><td>Damon R. Frisch</td><td>03/29/2011</td></tr><tr><td>Ian L. Hanna</td><td>03/28/2011</td></tr><tr><td>Brian J. Koch</td><td>04/01/2011</td></tr></tbody></table>	Name	Execution Date	Jonathan R. Schwarz	03/28/2011	Gregory E. Smith	03/04/2011	Damon R. Frisch	03/29/2011	Ian L. Hanna	03/28/2011	Brian J. Koch	04/01/2011	
Name	Execution Date												
Jonathan R. Schwarz	03/28/2011												
Gregory E. Smith	03/04/2011												
Damon R. Frisch	03/29/2011												
Ian L. Hanna	03/28/2011												
Brian J. Koch	04/01/2011												
RECEIVING PARTY DATA													
Name:	GM GLOBAL TECHNOLOGY OPERATIONS LLC												
Street Address:	300 Renaissance Center; Mail Code 482-C23-B21												
Internal Address:	P.O. Box 300												
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>13086831</td></tr></tbody></table>	Property Type	Number	Application Number:	13086831									
Property Type	Number												
Application Number:	13086831												
CORRESPONDENCE DATA													
Fax Number:	(248)689-4071												
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>													
Phone:	248-689-3500												
Email:	<a href="mailto:schultz@reising.com">schultz@reising.com</a>												
Correspondent Name:	Michael C. Adams												
Address Line 1:	755 W. Big Beaver Road, Suite 1850												
Address Line 4:	Troy, MICHIGAN 48084												
ATTORNEY DOCKET NUMBER:	P012349-GMVE-LDA												
NAME OF SUBMITTER:	Michael C. Adams												
Total Attachments: 1 source=P012349_Signed_Assignment#page1.tif													

CH \$40.00 13086831

501550767

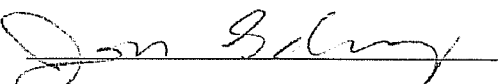
PATENT  
REEL: 026371 FRAME: 0723

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 P012349-GMVE-LDA entitled

METHOD AND SYSTEM FOR HEATING A VEHICLE BATTERY

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 No. 60770 to insert the application number and filing date of said application here in parentheses ( 13/086,831 filed 4/14/2011 ) when known.

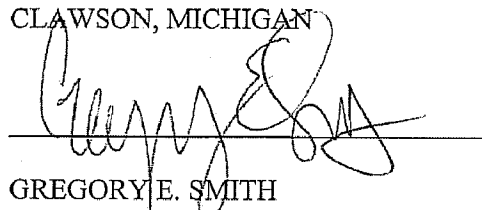
Inventor's signature  Date 3-28-11

Full name : JONATHAN R. SCHWARZ

Declaration dated :

Residence : CLAWSON, MICHIGAN

Inventor's signature



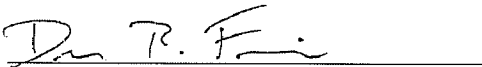
Date 4 MAR 11

Full name : GREGORY E. SMITH

Declaration dated :

Residence : TOLEDO, OHIO

Inventor's signature



Date 29 MAR 11

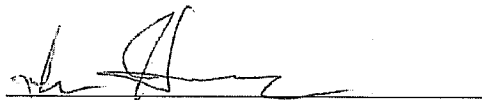
Full name : DAMON R. FRISCH

Declaration dated :

Residence : TROY, MICHIGAN

29 MAR 11

Inventor's signature



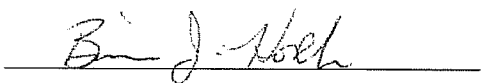
Date 3/28/11

Full name : IAN L. HANNA

Declaration dated :

Residence : CLARKSTON, MICHIGAN

Inventor's signature



Date 4/1/11

Full name : BRIAN J. KOCH

Declaration dated :

Residence : BERKLEY, MICHIGAN

4/1/11