

**PATENT ASSIGNMENT**

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SUBMISSION TYPE:	NEW ASSIGNMENT										
NATURE OF CONVEYANCE:	ASSIGNMENT										
<b>CONVEYING PARTY DATA</b>											
<table border="1"> <thead> <tr> <th>Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>David R. Sigler</td> <td>09/01/2010</td> </tr> <tr> <td>Blair E. Carlson</td> <td>09/01/2010</td> </tr> <tr> <td>Robert T. Szymanski</td> <td>09/01/2010</td> </tr> <tr> <td>Mark T. Hall</td> <td>09/07/2010</td> </tr> </tbody> </table>		Name	Execution Date	David R. Sigler	09/01/2010	Blair E. Carlson	09/01/2010	Robert T. Szymanski	09/01/2010	Mark T. Hall	09/07/2010
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Robert T. Szymanski	09/01/2010										
Mark T. Hall	09/07/2010										
<b>RECEIVING PARTY DATA</b>											
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										
<b>PROPERTY NUMBERS Total: 1</b>											
<table border="1"> <thead> <tr> <th>Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>12873648</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	12873648						
Property Type	Number										
Application Number:	12873648										
<b>CORRESPONDENCE DATA</b>											
Fax Number:	(248)380-8968										
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ATTORNEY DOCKET NUMBER:	P009937-RD-MJL										
NAME OF SUBMITTER:	Christopher W. Quinn										

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Total Attachments: 3

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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 P009937-RD-MJL entitled

**METHOD OF CALIBRATING A FRICTION STIR SPOT WELDING SYSTEM**

for which I executed a declaration dated as indicated below. If the patent application has been filed, I authorize practitioners associated with Customer No. 72823 to insert the application number and filing date of said application here in parentheses (12/873,648 filed 24 SEP 2010) when known.

Inventor's signature David R Sigler Date 9/1/10

Full name : DAVID R. SIGLER Declaration dated :

Residence : SHELBY TOWNSHIP, MICHIGAN 9/1/10

Inventor's signature \_\_\_\_\_ Date \_\_\_\_\_

Full name : BLAIR E. CARLSON Declaration dated :

Residence : ANN ARBOR, MICHIGAN \_\_\_\_\_

Inventor's signature \_\_\_\_\_ Date \_\_\_\_\_

Full name : ROBERT T. SZYMANSKI Declaration dated :

Residence : ST. CLAIR TOWNSHIP, MICHIGAN \_\_\_\_\_

Inventor's signature \_\_\_\_\_ Date \_\_\_\_\_

Full name : MARK T. HALL Declaration dated :

Residence : TROY, MICHIGAN \_\_\_\_\_

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Full name : DAVID R. SIGLER Declaration dated :

Residence : SHELBY TOWNSHIP, MICHIGAN \_\_\_\_\_

Inventor's signature Blair E. Carlson Date Sept. 1, 2010

Full name : BLAIR E. CARLSON Declaration dated :

Residence : ANN ARBOR, MICHIGAN Sept. 1, 2010

Inventor's signature Robert T. Szymanski Date Sept. 1, 2010

Full name : ROBERT T. SZYMANSKI Declaration dated :

Residence : ST. CLAIR TOWNSHIP, MICHIGAN Sept. 1, 2010

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Full name : ROBERT T. SZYMANSKI Declaration dated :

Residence : ST. CLAIR TOWNSHIP, MICHIGAN \_\_\_\_\_

Inventor's signature Mark T. Hall Date 9/07/2010

Full name : MARK T. HALL Declaration dated :

Residence : TROY, MICHIGAN 9/07/2010