

## 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>Mark W. Keyser</td> <td>02/26/2008</td> </tr> <tr> <td>Gerald W. Fly</td> <td>03/12/2008</td> </tr> </tbody> </table>		Name	Execution Date	Mark W. Keyser	02/26/2008	Gerald W. Fly	03/12/2008
Name	Execution Date						
Mark W. Keyser	02/26/2008						
Gerald W. Fly	03/12/2008						
RECEIVING PARTY DATA							
Name:	GM Global Technology Operations LLC						
Street Address:	300 Renaissance Center						
City:	Detroit						
State/Country:	MICHIGAN						
Postal Code:	48265						
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>13412015</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13412015		
Property Type	Number						
Application Number:	13412015						
CORRESPONDENCE DATA							
Fax Number:	(419)874-1130						
Phone:	419-874-1100						
Email:	radde@fraser-ip.com						
<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US Mail.</i>							
Correspondent Name:	James D. Miller						
Address Line 1:	28366 Kensington Lane						
Address Line 4:	Perrysburg, OHIO 43551						
ATTORNEY DOCKET NUMBER:	P001005 CNT (1-42117)						
NAME OF SUBMITTER:	James D. Miller						
Total Attachments: 6 source=P001005 Assignment to Record#page1.tif source=P001005 Assignment to Record#page2.tif source=P001005 Assignment to Record#page3.tif source=P001005 Assignment to Record#page4.tif source=P001005 Assignment to Record#page5.tif source=P001005 Assignment to Record#page6.tif							

CH \$40.00 13412015

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 P001005-FCA-CHE entitled

INTERLOCKABLE BEAD SEAL

for which I executed a declaration dated as indicated below. If the patent application has been filed, I authorize attorney JAMES D. MILLER to insert the application number and filing date of said application here in parentheses (12/050,652 filed 03-18-08) when known.

Inventor's signature Mark Keyser Date 2/26/08

Full name : MARK W. KEYSER Declaration dated :  
Residence : BLOOMFIELD, NEW YORK 2/26/08

Inventor's signature Gerald W. Fly Date Mar. 12, 2008

Full name : GERALD W. FLY Declaration dated :  
Residence : GENESEO, NEW YORK Mar. 12, 2008

**STATEMENT UNDER 37 CFR 3.73(b)**Applicant/Patent Owner: GM Global Technology Operations LLCApplication No./Patent No.: 13/412,015 Filed/Issue Date: March 5, 2012Titled: INTERLOCKABLE BEAD SEALGM Global Technology Operations LLC, a limited liability company  
(Name of Assignee) (Type of Assignee, e.g., corporation, partnership, university, government agency, etc.)

states that it is:

1.  the assignee of the entire right, title, and interest in;
2.  an assignee of less than the entire right, title, and interest in (The extent (by percentage) of its ownership interest is \_\_\_\_\_ %); or
3.  the assignee of an undivided interest in the entirety of (a complete assignment from one of the joint inventors was made)

the patent application/patent identified above, by virtue of either:

A. An assignment from the inventor(s) of the patent application/patent identified above. The assignment was recorded in the United States Patent and Trademark Office at Reel \_\_\_\_\_, Frame \_\_\_\_\_, or for which a copy therefore is attached.

OR

B.  A chain of title from the inventor(s), of the patent application/patent identified above, to the current assignee as follows:1. From: Inventors To: GM Global Technology Operations, Inc.The document was recorded in the United States Patent and Trademark Office at Reel 020834, Frame 0095, or for which a copy thereof is attached.2. From: GM Global Technology Operations, Inc. To: GM Global Technology Operations LLCThe document was recorded in the United States Patent and Trademark Office at Reel 025781, Frame 0211, or for which a copy thereof is attached.

3. From: \_\_\_\_\_ To: \_\_\_\_\_

The document was recorded in the United States Patent and Trademark Office at Reel \_\_\_\_\_, Frame \_\_\_\_\_, or for which a copy thereof is attached.

 Additional documents in the chain of title are listed on a supplemental sheet(s). As required by 37 CFR 3.73(b)(1)(i), the documentary evidence of the chain of title from the original owner to the assignee was, or concurrently is being, submitted for recordation pursuant to 37 CFR 3.11.

[NOTE: A separate copy (i.e., a true copy of the original assignment document(s)) must be submitted to Assignment Division in accordance with 37 CFR Part 3, to record the assignment in the records of the USPTO. See MPEP 302.08]

The undersigned (whose title is supplied below) is authorized to act on behalf of the assignee.

Charles H. Ellerbrock  
SignatureMarch 22, 2012

Date

GM Global Technology Operations LLC Charles H. Ellerbrock

Attorney

Printed or Typed Name

Title

This collection of information is required by 37 CFR 3.73(b). The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

**PATENT**  
**REEL: 027906 FRAME: 0628**

# Delaware

PAGE 1

*The First State*

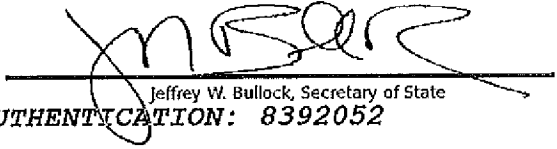
I, JEFFREY W. BULLOCK, SECRETARY OF STATE OF THE STATE OF DELAWARE DO HEREBY CERTIFY THAT THE ATTACHED IS A TRUE AND CORRECT COPY OF THE CERTIFICATE OF CONVERSION OF A DELAWARE CORPORATION UNDER THE NAME OF "GM GLOBAL TECHNOLOGY OPERATIONS, INC." TO A DELAWARE LIMITED LIABILITY COMPANY, CHANGING ITS NAME FROM "GM GLOBAL TECHNOLOGY OPERATIONS, INC." TO "GM GLOBAL TECHNOLOGY OPERATIONS LLC", FILED IN THIS OFFICE ON THE FIRST DAY OF DECEMBER, A.D. 2010, AT 11:30 O'CLOCK A.M.

3908703 8100V

101134735

You may verify this certificate online  
at [corp.delaware.gov/authver.shtml](http://corp.delaware.gov/authver.shtml)



  
Jeffrey W. Bullock, Secretary of State  
AUTHENTICATION: 8392052

DATE: 12-02-10

PATENT  
REEL: 027906 FRAME: 0629

# Delaware

PAGE 2

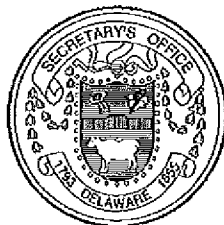
*The First State*

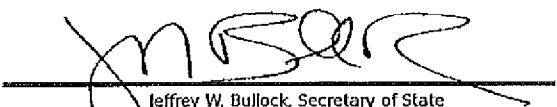
I, JEFFREY W. BULLOCK, SECRETARY OF STATE OF THE STATE OF DELAWARE DO HEREBY CERTIFY THAT THE ATTACHED IS A TRUE AND CORRECT COPY OF CERTIFICATE OF FORMATION OF "GM GLOBAL TECHNOLOGY OPERATIONS LLC" FILED IN THIS OFFICE ON THE FIRST DAY OF DECEMBER, A.D. 2010, AT 11:30 O'CLOCK A.M.

3908703 8100V

101134735

You may verify this certificate online  
at [corp.delaware.gov/authver.shtml](http://corp.delaware.gov/authver.shtml)



  
Jeffrey W. Bullock, Secretary of State  
AUTHENTICATION: 8392052

DATE: 12-02-10

PATENT  
REEL: 027906 FRAME: 0630

STATE OF DELAWARE  
CERTIFICATE OF CONVERSION  
FROM A CORPORATION TO A  
LIMITED LIABILITY COMPANY PURSUANT TO  
SECTION 18-214 OF THE LIMITED LIABILITY ACT

- 1.) The jurisdiction where the Corporation first formed is Delaware.
- 2.) The jurisdiction immediately prior to filing this Certificate is Delaware.
- 3.) The date the corporation first formed is January 14, 2005.
- 4.) The name of the Corporation immediately prior to filing this Certificate is  
GM Global Technology Operations, Inc.
- 5.) The name of the Limited Liability Company as set forth in the Certificate of  
Formation is GM Global Technology Operations LLC.

IN WITNESS WHEREOF, the undersigned have executed this Certificate on the  
15<sup>th</sup> day of December, A.D. 2010.

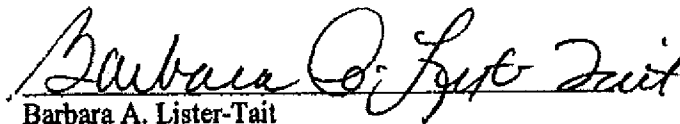
By: Barbara A. Lister-Tait  
Authorized Person

Name: Barbara A. Lister-Tait  
Print or Type

CERTIFICATE OF FORMATION  
OF  
GM GLOBAL TECHNOLOGY OPERATIONS LLC

1. The name of the limited liability company is GM Global Technology Operations LLC.
2. The address of its registered office in the State of Delaware is Corporation Trust Center, 1209 Orange Street, in the City of Wilmington, County of New Castle. The name of its registered agent at such address is The Corporation Trust Company.

IN WITNESS WHEREOF, the undersigned have executed this Certificate of Formation of GM Global Technology Operations LLC this 1st day of December, 2010.

  
Barbara A. Lister-Tait  
Authorized Person