

07-09-2007



103424241

Docket No.: FRM-055US

To the Director of the U.S. Patent and Trademark Office: Please record the attached documents or the new address(es) below.

## 1. Name of conveying party(ies)/Execution Date(s):

- (a) **Klaus PERTHEL**  
(b) **Andreas JAUSS**

Execution Date(s): (a) **June 18, 2007** (b) **May 14, 2007**Additional name(s) of conveying party(ies) attached? ☐ Yes ☒ No

## 3. Nature of conveyance:

- ☒ Assignment ☐ Merger  
☐ Security Agreement ☐ Change of Name  
☐ Government Interest Assignment  
☐ Executive Order 9424, Confirmatory License  
☐ Other: \_\_\_\_\_

## 2. Name and address of receiving party(ies):

Name:

**GM GLOBAL TECHNOLOGY OPERATIONS INC.**

Internal Address:

Street Address:

**300 Renaissance Center**  
**Detroit, MI 48265-3000**
Country: **United States of America**Additional name(s) & address(es) attached? ☒ Yes ☐ No

## 4. Application or patent number(s):

A. Patent Application No.(s)

**10/576,717**☐ This document is being filed together with a new application

B. Patent No.(s)

Additional numbers attached? ☐ Yes ☒ No

## 5. Name and address to whom correspondence concerning document should be mailed:

Name: **Muirhead and Saturnelli, LLC**

Internal Address:

**Street Address: 200 Friberg Parkway**  
**Suite 1001**
City: **Westborough**State: **Massachusetts** Zip: **01581**Fax Number: **508-898-8602**

## 6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 1.21(h) & 3.41).....\$ **40.00**

- ☐ Authorized to be charged by credit card  
☒ Authorized to be charged to deposit account  
☐ Enclosed  
☐ None required (government interest not affecting title)

## 8. Payment Information

a. Credit Card Last 4 Numbers 1001Expiration Date 09-07b. Deposit Account Number 503596

Authorized User Name \_\_\_\_\_

## 9. Signature:

**Donald W. MUIRHEAD, Reg. No. 33,978**

Name of Person Signing

Signature

**July 2, 2007**  
 Date

Total number of pages including cover sheet, attachments, and documents: 3

Documents to be recorded (including cover sheet) should be faxed to (703) 306-5995, or mailed to:  
 Mail Stop Assignment Recordation Services  
 Director of the U.S. Patent and Trademark Office  
 P.O. Box 1450, Alexandria, VA 22313-1450

PATENT

REEL: 019538 FRAME: 0388

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 00000136 503596 10576717

**NAME AND ADDRESS OF SECOND RECEIVING PARTY:**

**Klaus PERTHEL  
Altenberger Strasse 5  
51399 Burscheid  
GERMANY**

ASSIGNMENT

WHEREAS, the undersigned have developed certain inventions described in a patent titled **ELECTRONIC MAGNETIC VALVE** which was filed on April 21, 2006 as U.S. Patent Application Serial No. 10/576,717 and have full right to convey the entire right, title and interest, both legal and equitable, in and to said inventions, free from all prior assignments, agreements, licenses, mortgages, security interests, or other encumbrances whatsoever; and

WHEREAS, **GM Global Technology Operations Inc.**, having offices at 300 Renaissance Center, Detroit, MI 48265-3000, U.S.A. , and **Klaus PERTHEL**, of Altenberger Strasse 5, 51399 Burscheid, GERMANY ("Assignees"), are desirous of acquiring the entire right, title and interest in and to said invention or inventions and any and all patents to be obtained therefor;

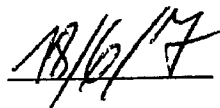
NOW, THEREFORE, in consideration of One Dollar (\$1.00) and other good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged by the undersigned, the undersigned do hereby sell, assign, transfer and set over unto said Assignees, their successors and assigns, the entire right, title and interest throughout the world in and to said invention or inventions, as described in the aforesaid application, in any form or embodiment thereof, and in and to the aforesaid application; and in and to any application filed in the U.S. or any foreign country based thereon, including the right to file said applications and claim priority under the provisions of any U.S. or international convention or treaty; also the entire right, title and interest throughout the world in and to any and all patents or reissues or extensions thereof to be obtained in this or any foreign country upon said invention or inventions and any divisional, continuation, continuation-in-part or substitute applications which may be filed upon said invention or inventions in this or any foreign country; and the undersigned hereby authorizes and requests the issuing authority to issue any and all patents on said application or applications to said Assignees or their successors and assigns.

The undersigned further agree, without any further payment or compensation by said Assignees or their successors and assigns, to communicate to said Assignees, their representatives or agents or their successors and assigns, any facts relating to said invention or inventions including evidence for interference purposes or for other legal proceedings whenever requested; testify in any interference or other legal proceedings, whenever requested; execute and deliver, on request, all lawful papers required to make any of the foregoing provisions effective; and generally do everything possible to aid said Assignees, their successors or assigns and nominees to secure, obtain and enforce proper patent protection for said invention or inventions in this or any foreign country.

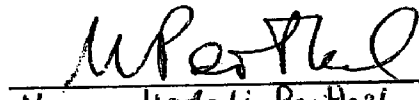
Each of the undersigned hereby authorizes Muirhead & Saturnelli LLC of 200 Friberg Parkway, Suite 1001, Westborough, MA 01581, USA, to insert hereon any further identification information necessary or desirable for recordation of this document.

InventorsDate SignedWitness

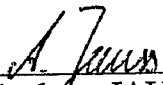

Name: Klaus PERTHEL



May 14, 2007



Name: Udo Christmann



Name: Andreas JAUSS