

# PATENT ASSIGNMENT

Electronic Version v1.1

Stylesheet Version v1.1

| <b>SUBMISSION TYPE:</b>                                                                                                                                                                                                                                                                                                                                                                                       | NEW ASSIGNMENT        |               |                       |                        |             |                |                 |                       |            |                     |         |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|---------------|-----------------------|------------------------|-------------|----------------|-----------------|-----------------------|------------|---------------------|---------|
| <b>NATURE OF CONVEYANCE:</b>                                                                                                                                                                                                                                                                                                                                                                                  | ASSIGNMENT            |               |                       |                        |             |                |                 |                       |            |                     |         |
| <b>CONVEYING PARTY DATA</b>                                                                                                                                                                                                                                                                                                                                                                                   |                       |               |                       |                        |             |                |                 |                       |            |                     |         |
| <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 70%;">Name</th> <th style="width: 30%;">Execution Date</th> </tr> </thead> <tbody> <tr> <td>Mario Steinborn</td> <td>07/20/2009</td> </tr> <tr> <td>Rainer Petzold</td> <td>07/20/2009</td> </tr> <tr> <td>Stefan Veitinger</td> <td>07/21/2009</td> </tr> </tbody> </table>                                |                       | Name          | Execution Date        | Mario Steinborn        | 07/20/2009  | Rainer Petzold | 07/20/2009      | Stefan Veitinger      | 07/21/2009 |                     |         |
| Name                                                                                                                                                                                                                                                                                                                                                                                                          | Execution Date        |               |                       |                        |             |                |                 |                       |            |                     |         |
| Mario Steinborn                                                                                                                                                                                                                                                                                                                                                                                               | 07/20/2009            |               |                       |                        |             |                |                 |                       |            |                     |         |
| Rainer Petzold                                                                                                                                                                                                                                                                                                                                                                                                | 07/20/2009            |               |                       |                        |             |                |                 |                       |            |                     |         |
| Stefan Veitinger                                                                                                                                                                                                                                                                                                                                                                                              | 07/21/2009            |               |                       |                        |             |                |                 |                       |            |                     |         |
| <b>RECEIVING PARTY DATA</b>                                                                                                                                                                                                                                                                                                                                                                                   |                       |               |                       |                        |             |                |                 |                       |            |                     |         |
| <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 20%;"><b>Name:</b></td> <td>ZF Friedrichshafen AG</td> </tr> <tr> <td><b>Street Address:</b></td> <td>Postf. 2520</td> </tr> <tr> <td><b>City:</b></td> <td>Friedrichshafen</td> </tr> <tr> <td><b>State/Country:</b></td> <td>GERMANY</td> </tr> <tr> <td><b>Postal Code:</b></td> <td>D-88038</td> </tr> </table> |                       | <b>Name:</b>  | ZF Friedrichshafen AG | <b>Street Address:</b> | Postf. 2520 | <b>City:</b>   | Friedrichshafen | <b>State/Country:</b> | GERMANY    | <b>Postal Code:</b> | D-88038 |
| <b>Name:</b>                                                                                                                                                                                                                                                                                                                                                                                                  | ZF Friedrichshafen AG |               |                       |                        |             |                |                 |                       |            |                     |         |
| <b>Street Address:</b>                                                                                                                                                                                                                                                                                                                                                                                        | Postf. 2520           |               |                       |                        |             |                |                 |                       |            |                     |         |
| <b>City:</b>                                                                                                                                                                                                                                                                                                                                                                                                  | Friedrichshafen       |               |                       |                        |             |                |                 |                       |            |                     |         |
| <b>State/Country:</b>                                                                                                                                                                                                                                                                                                                                                                                         | GERMANY               |               |                       |                        |             |                |                 |                       |            |                     |         |
| <b>Postal Code:</b>                                                                                                                                                                                                                                                                                                                                                                                           | D-88038               |               |                       |                        |             |                |                 |                       |            |                     |         |
| <b>PROPERTY NUMBERS Total: 1</b>                                                                                                                                                                                                                                                                                                                                                                              |                       |               |                       |                        |             |                |                 |                       |            |                     |         |
| <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 30%;">Property Type</th> <th style="width: 70%;">Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>12529284</td> </tr> </tbody> </table>                                                                                                                                             |                       | Property Type | Number                | Application Number:    | 12529284    |                |                 |                       |            |                     |         |
| Property Type                                                                                                                                                                                                                                                                                                                                                                                                 | Number                |               |                       |                        |             |                |                 |                       |            |                     |         |
| Application Number:                                                                                                                                                                                                                                                                                                                                                                                           | 12529284              |               |                       |                        |             |                |                 |                       |            |                     |         |
| <b>CORRESPONDENCE DATA</b>                                                                                                                                                                                                                                                                                                                                                                                    |                       |               |                       |                        |             |                |                 |                       |            |                     |         |
| <p>Fax Number: (603)226-7499</p> <p><i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i></p> <p>Phone: 603-226-7490</p> <p>Email: patent@davisandbujold.com</p> <p>Correspondent Name: Davis &amp; Bujold, P.L.L.C.</p> <p>Address Line 1: 112 Pleasant Street</p> <p>Address Line 4: Concord, NEW HAMPSHIRE 03301</p>                                                        |                       |               |                       |                        |             |                |                 |                       |            |                     |         |
| <b>ATTORNEY DOCKET NUMBER:</b>                                                                                                                                                                                                                                                                                                                                                                                | ZFP308US              |               |                       |                        |             |                |                 |                       |            |                     |         |
| <b>NAME OF SUBMITTER:</b>                                                                                                                                                                                                                                                                                                                                                                                     | Michael J. Bujold     |               |                       |                        |             |                |                 |                       |            |                     |         |
| <p>Total Attachments: 1</p> <p>source=Assignment#page1.tif</p>                                                                                                                                                                                                                                                                                                                                                |                       |               |                       |                        |             |                |                 |                       |            |                     |         |

OP \$40.00 12529284

500953847

**PATENT**  
**REEL: 023188 FRAME: 0696**

Assignment of Application for Patent

WHEREAS: (Name(s) and address(es) of inventor(s):

|        |           |                                                   |
|--------|-----------|---------------------------------------------------|
| Mario  | Steinborn | Nikolausweg 24, 88046 Friedrichshafen,<br>Germany |
| Rainer | Petzold   | Oberhofstr. 79, 88045 Friedrichshafen,<br>Germany |
| Stefan | Veitinger | Amselweg 8, 88085 Langenargen,<br>Germany         |

(hereinafter referred to as ASSIGNOR), have invented and own a certain invention entitled:

(Title of Invention)

**METHOD FOR DETERMINING THE OUTPUT ROTATIONAL SPEED OF A MANUAL TRANSMISSION**

for which application for Letters Patent of the United States has been executed on even date herewith

AND WHEREAS: (Name and address of assignee)

ZF FRIEDRICHSHAFEN AG  
88038 Friedrichshafen  
Federal Republic of Germany

(hereinafter referred to as ASSIGNEE), is desirous of acquiring the entire interest in, to and under said invention and the United States Letters Patent to be obtained herefor;

NOW, THEREFORE, TO ALL WHOM IT MAY CONCERN: Be it known that in consideration, of the payment by ASSIGNEE to ASSIGNOR of the sum of One Dollar (\$ 1.00), the receipt, of which is hereby acknowledged, and for other good and valuable consideration, ASSIGNOR hereby sells, assigns and transfers to ASSIGNEE the full and exclusive right, title and interest to said invention and all Letters Patent of the United States to be obtained therefore on said application or any continuation, division, renewal, substitute or reissue thereof for the full term or terms for which the same may be granted.

ASSIGNOR hereby covenants that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with the assignment and sale:

ASSIGNOR further covenants that ASSIGNEE will, upon its request, be provided promptly with all pertinent facts and documents relating to said application, said invention and said Letters Patent as may be known and accessible to ASSIGNOR and will testify as to the same in any interference or litigation related thereto and will promptly execute and deliver to ASSIGNEE or its legal representative any and all papers, instruments or affidavits required to apply for, obtain, maintain and enforce said application, said invention and said Letters Patent which may be necessary or desirable to carry out the purposes hereof.

IN WITNESS WHEREOF, have hereunto set hand and seal this       day of

Full name(s) of inventor(s):

20-7-2009

Mario Steinborn

Rainer Petzold  
20-7-2009

21-7-2009

Stefan Veitinger

PATENT

RECORDED: 09/03/2009

REEL: 023188 FRAME: 0697