

## PATENT ASSIGNMENT

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| 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>Detlef PLATH</td> <td>11/30/2012</td> </tr> <tr> <td>Peter SPOERL</td> <td>11/30/2012</td> </tr> <tr> <td>Franz-Josef SCHULER</td> <td>11/30/2012</td> </tr> </tbody> </table> |                              | Name          | Execution Date | Detlef PLATH        | 11/30/2012 | Peter SPOERL | 11/30/2012 | Franz-Josef SCHULER | 11/30/2012 |
| Name   | Execution Date               |               |                |                     |            |              |            |                     |            |
| Detlef PLATH   | 11/30/2012                   |               |                |                     |            |              |            |                     |            |
| Peter SPOERL   | 11/30/2012                   |               |                |                     |            |              |            |                     |            |
| Franz-Josef SCHULER  | 11/30/2012                   |               |                |                     |            |              |            |                     |            |
| RECEIVING PARTY DATA   |                              |               |                |                     |            |              |            |                     |            |
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| City:  | 88038                        |               |                |                     |            |              |            |                     |            |
| State/Country:   | GERMANY                      |               |                |                     |            |              |            |                     |            |
| 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>13737212</td> </tr> </tbody> </table>  |                              | Property Type | Number         | Application Number: | 13737212   |              |            |                     |            |
| Property Type  | Number                       |               |                |                     |            |              |            |                     |            |
| Application Number:  | 13737212                     |               |                |                     |            |              |            |                     |            |
| CORRESPONDENCE DATA  |                              |               |                |                     |            |              |            |                     |            |
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| Email:   | tclark@nhpat.com             |               |                |                     |            |              |            |                     |            |
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| ATTORNEY DOCKET NUMBER:  | ZF P796US                    |               |                |                     |            |              |            |                     |            |
| NAME OF SUBMITTER:   | Jay S. Franklin              |               |                |                     |            |              |            |                     |            |
| This document serves as an Oath/Declaration (37 CFR 1.63).   |                              |               |                |                     |            |              |            |                     |            |
| Total Attachments: 2<br>source=p796us-dec_ass#page1.tif<br>source=p796us-dec_ass#page2.tif   |                              |               |                |                     |            |              |            |                     |            |

OP \$40.00 13737212

**COMBINED OATH/DECLARATION/  
ASSIGNMENT OF INVENTION**

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

| Firstname          | Name           | Address   |
|--------------------|----------------|---|
| <b>Detlef</b>      | <b>Plath</b>   | <b>Ulmenweg 4, 88069 Tettngang, Deutschland</b>             |
| <b>Peter</b>       | <b>Spoerl</b>  | <b>Holbeinstr.17/5, 88214 Ravensburg,<br/>Deutschland</b>   |
| <b>Franz-Josef</b> | <b>Schuler</b> | <b>Untermuehleweg 14, 88079 Kressbronn,<br/>Deutschland</b> |

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

(Titel of Invention)

**METHOD FOR OPERATING A TRANSMISSION UNIT OF A VEHICLE DRIVELINE WITH AN ENGINE**

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.

**OATH/DECLARATION**

The above identified application was made our authorized to be made by me/us, the **ASSIGNOR**.

I/WE, the **ASSIGNOR**, believe that I am/we are the original inventor or an original joint inventor of a claimed invention in the application. I/We have reviewed and understand the contents of the application and am/are aware of the duty to disclose, to the United States Patent and Trademark office, all information that is material to patentability of the invention.

I/We, the **ASSIGNOR**, hereby acknowledge that any wilful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine or imprisonment of not more than five (5) years, or both.

**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:

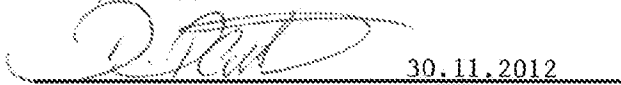
ASSIGNOR further covenants that ASSIGNEE will, upon its request, be provided promptly with all pertinent facts and documents relating to said application, said invention and said Letters Patent as may be known and accessible to ASSIGNOR and will testify as to the same in any interference or litigation 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

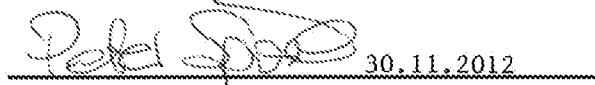
Full name(s) of inventor(s):

 / 30.11.2012

Franz-Josef Schuler

 30.11.2012

Detlef Plath

 30.11.2012

Peter Spoerl