

## PATENT ASSIGNMENT COVER SHEET

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<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT	
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT	
<b>CONVEYING PARTY DATA</b>		
	<b>Name</b>	<b>Execution Date</b>
	JORG ARNOLD	12/01/2014
	KLAUS STEINHAUSER	12/01/2014
	THILO SCHMIDT	12/01/2014
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<b>City:</b>	FRIEDRICHSHAFEN	
<b>State/Country:</b>	GERMANY	
<b>Postal Code:</b>	88046	
<b>PROPERTY NUMBERS Total: 1</b>		
<b>Property Type</b>	<b>Number</b>	
<b>Application Number:</b>	14657055	
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<b>NAME OF SUBMITTER:</b>	STEPHEN E. BONDURA	
<b>SIGNATURE:</b>	/stephen e. bondura/	
<b>DATE SIGNED:</b>	03/13/2015	
<b>Total Attachments: 2</b>		
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ASSIGNMENT

WHEREAS, We, Jörg Arnold, a citizen of Germany residing at Brühl 32, 88090 Immenstaad, Germany; Klaus Steinhauser, a citizen of Germany residing at Zimbaweg 9, 88079 Kressbronn, Germany; and Thilo Schmidt, a citizen of Germany residing at Fuchsbauweg 21, 88074 Meckenbeuren, Germany, (hereinafter referenced as ASSIGNORS), have invented a certain new and useful invention entitled Method and Control Device Thereto for Operating a Powertrain, for which an application for Letters Patent of the United States is being concurrently filed in the United States Patent and Trademark Office;

AND WHEREAS, ZF Friedrichshafen AG, having its principal office and place of business at Graf-von-Soden-Platz 1, 88046 Friedrichshafen, Germany, (hereinafter ASSIGNEE) is desirous of acquiring an interest therein;

NOW THEREFORE, for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, we, the said ASSIGNORS, by these presents do sell, assign and transfer unto the said ASSIGNEE, its successors, assigns and legal representatives, the full and exclusive right, title and interest to the said invention and in and to said application and all patents which may be granted therefor, and all divisionals, reissues, continuations, continuations-in-part, and extensions thereof, in the United States and all foreign countries, together with the right of priority under the International Convention for the Protection of Industrial Property, Inter-American Convention Relating to Patents, Designs and Industrial Models, and any other international agreements to which the United States of America adheres, and we hereby authorize and request the Commissioner of Patents to issue said Letters Patent to the said ASSIGNEE, for its interest as ASSIGNEE, its successors, assigns and legal representatives.


And we hereby agree, at the expense of ASSIGNEE, to testify in any legal proceedings, sign all lawful papers, execute all divisional, continuation, continuation-in-part, reissue, and substitute applications, make lawful oaths and declarations, and generally do everything possible to vest title in ASSIGNEE and to aid ASSIGNEE to obtain and enforce proper protection for said invention in all countries.

And we hereby agree to transfer a like interest, upon the request of said ASSIGNEE, its successors, assigns and legal representatives, and without further remuneration, in and to any improvements, and applications for patent based thereon, growing out of or related to the said invention; and to execute any papers by the said ASSIGNEE, its successors, assigns and legal

representatives, deemed essential to ASSIGNEE's full protection and title in and to the invention hereby transferred.

Agreeing furthermore, upon request of said ASSIGNEE, and without further remuneration, to execute any and all papers desired by said ASSIGNEE for the filing and granting of applications and the perfecting of such right, title, and interest thereto in said ASSIGNEE.

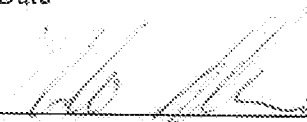
This assignment executed on the date indicated below.

  
\_\_\_\_\_  
Jörg Arnold

1.12.2014  
Date

  
\_\_\_\_\_  
Klaus Steinhauser

1.12.2014  
Date

  
\_\_\_\_\_  
Thilo Schmidt

1.12.2014  
Date