

## 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>
WOLFGANG FISCHER	11/06/2014
FRANZ RAICHLE	11/06/2014
WALTER LINDERMEIR	11/15/2014
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<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
Application Number:	14526206
<b>CORRESPONDENCE DATA</b>	
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<b>ATTORNEY DOCKET NUMBER:</b>	10191/9148
<b>NAME OF SUBMITTER:</b>	GERARD A. MESSINA
<b>SIGNATURE:</b>	/Gerard A. Messina/
<b>DATE SIGNED:</b>	04/09/2015
<b>Total Attachments: 6</b>	
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ASSIGNMENT

WHEREAS, I,

**Wolfgang FISCHER**  
**Stoeckachstr. 6**  
**DE-70839 Gerlingen**  
**Federal Republic of Germany**  
**Citizenship: Federal Republic of Germany**

**Franz RAICHLE**  
**Deckerstr. 12/1**  
**DE-70825 Korntal-Muenchingen**  
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**Walter LINDERMEIR**  
**Brunnenwiesenweg 24**  
**DE-73732 Esslingen**  
**Federal Republic of Germany**  
**Citizenship: Federal Republic of Germany**

have made inventions and discoveries in **METHOD AND APPARATUS FOR  
RECOGNIZING KNOCKING OF AN INTERNAL COMBUSTION ENGINE,  
PREFERABLY OF A GASOLINE ENGINE**, for which an application was filed at the  
United States Patent and Trademark Office on **October 28, 2014** under U.S. Serial No.  
**14/526,206** and

WHEREAS **ROBERT BOSCH GMBH**, having a place of business at **Postfach 30  
02 20, 70442 Stuttgart, Federal Republic of Germany**, and who, together with its  
successors and assigns, is hereinafter called Assignee, is desirous of acquiring the title, rights,  
benefits, and privileges hereinafter recited,

NOW, THEREFORE, for valuable consideration furnished by Assignee to me, receipt  
and sufficiency of which I hereby acknowledge, I hereby, without reservations:

1. Assign, transfer, and convey to Assignee the entire right, title, and interest in and  
to said inventions and discoveries, said application for Letters Patent of the United States of

America, any and all other applications for Letters Patent on said inventions and discoveries, including all divisional, renewal, substitute, and continuation applications based in whole or in part upon said inventions or discoveries, or upon said applications, and any and all Letters Patent, reissues, and extensions of Letters Patent granted for said inventions and discoveries or upon said applications, and every priority right that is or may be predicated upon or arise from said inventions, said discoveries, said applications, and said Letters Patent.

2. Authorize Assignee to file patent applications in any or all countries for any or all of said inventions and discoveries in my name or in the name of Assignee or otherwise as Assignee may deem advisable, under an International Convention or otherwise.

3. Authorize and request the Commissioner of Patents and Trademarks of the United States of America and the empowered officials of all other governments to issue or transfer all said Letters Patent to Assignee, as assignee of the entire right, title, and interest therein or otherwise as Assignee may direct.

4. Warrant that I have not conveyed to others any right, title, or interest in said inventions, discoveries, applications, or patents or any license to use the same or to make, use, or sell anything embodying or utilizing any of said inventions or discoveries; that I have good right to assign the same to Assignee without encumbrance; and that I am aware of no claim to the contrary.

5. Bind my heirs, legal representatives, and assigns, as well as myself, to do, upon Assignee's request and at Assignee's expense, but without additional consideration to me or them, all acts reasonably serving to assure that said inventions and discoveries, said patent applications, and said Letters Patent shall be held and enjoyed by Assignee as fully and entirely as the same could have been held and enjoyed by me, my heirs, legal representatives, and assigns if this assignment had not been made; and particularly to execute and deliver to Assignee all lawful application documents including petitions, specifications, and oaths, and all assignments, disclaimers, and lawful affidavits in form and substance as may be requested by Assignee; to communicate to Assignee all facts known to me relating to said inventions and discoveries or the history thereof; to furnish Assignee with any and all documents, photographs, models, samples, and other physical exhibits in my control or in the control of my heirs, legal representatives, or assigns which may be useful for establishing the facts of

my conception, disclosure, and reduction to practice of said inventions and discoveries; and to testify to the same in any interference, arbitration, or litigation.

IN TESTIMONY WHEREOF, I have hereunto set my hand and seal this 6<sup>th</sup> day  
of November, 2014.

  
Wolfgang FISCHER

IN TESTIMONY WHEREOF, I have hereunto set my hand and seal this 6 day  
of November 2014.

  
**Franz RAICHLE**

IN TESTIMONY WHEREOF, I have hereunto set my hand and seal this 15 day  
of November, 2014.

Walter Lindermeir  
**Walter LINDERMEIR**