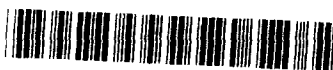


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## 1. Name of conveying party(ies):

Eberhard SCHNAIBEL

Andreas KORING

Ruediger DIEBERT

Michael DAETZ

Additional name(s) of conveying parties attached? ☐ Yes☒ No

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

Name: Robert Bosch GmbH

Internal Address: \_\_\_\_\_

Street Address: Postfach 30 02 20City: D-70442 StuttgartState: Federal Republic of Germany

and

Volkswagen AGD-38436 WolfsburgFederal Republic of GermanyAdditional name(s) & address(es) attached? ☐ Yes ☒ No

## 3. Nature of conveyance:

☒ Assignment☐ Merger☐ Security Agreement ☐ Change of Name☐ Other: \_\_\_\_\_

Execution dates: August 8, 2005, August 8, 2005, August 24, 2005 and August 8, 2005.

## 4. Application numbers or patent numbers:

Execution date of application is: \_\_\_\_\_

## A. Patent Applications:

10/540,651

## B. Patent No.(s)

Additional Numbers attached? ☐ Yes ☒ No

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

Name: Gerard A. Messina, Esq.Internal Address: KENYON & KENYON LLPStreet Address: One BroadwayCity: New York State: New York ZIP: 10004

CUSTOMER NO. 26646

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

7. Total fee (37 C.F.R. 3.41) ..... \$ 40.00

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PATENT  
 REEL: 017550 FRAME: 0179

**ASSIGNMENT**

WHEREAS, we,

**Eberhard SCHNAIBEL  
Hochstetterstrasse 1/5  
DE-71282 Hemmingen  
Federal Republic of Germany  
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**Andreas KORING  
Gomaringer Strasse 26  
DE-72770 Reutlingen  
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**Ruediger DEIBERT  
Brandenburger Strasse 8  
DE-73730 Esslingen A.N.,  
Federal Republic of Germany  
Citizenship: Federal Republic of Germany**

**and**

**Michael DAETZ  
An der Strausche 8  
DE-38473 Tiddische  
Federal Republic of Germany  
Citizenship: Federal Republic of Germany**

have made inventions and discoveries in a **METHOD AND DEVICE FOR DIAGNOSING THE DYNAMIC CHARACTERISTICS OF A LAMBDA SENSOR USED FOR CYLINDER-INDIVIDUAL LAMBDA CLOSED-LOOP CONTROL**, for which an application for Letters Patent was filed as PCT International Application No. **PCT/DE03/04250** on December 19, 2003; and

WHEREAS **Robert Bosch GmbH**, having a place of business at **Postfach 30 02 20, D-70442 Stuttgart, Federal Republic of Germany**, and **Volkswagen AG**, having a place of business at **D-38436 Wolfsburg, Federal Republic of Germany**, and who, together with its successors and assigns, are hereinafter called "Assignees, are desirous of acquiring the title, rights, benefits, and privileges hereinafter recited,

NOW, THEREFORE, for valuable consideration furnished by Assignees to us, receipt and sufficiency of which we hereby acknowledge, we hereby, without reservations:

1. Assign, transfer, and convey to Assignees 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 Assignees to file patent applications in any or all countries for any or all of said inventions and discoveries in our names or in the name of Assignees or otherwise as Assignees 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 of said Letters Patent to Assignees, as assignees of the entire right, title, and interest therein or otherwise as Assignees may direct.

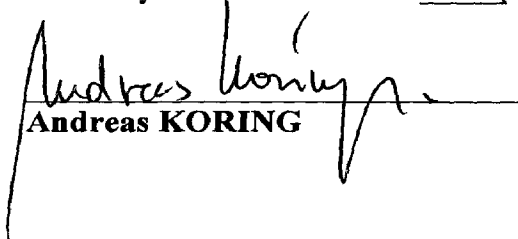
4. Warrant that we have not conveyed to others any right, title, or interest in said inventions, discoveries, applications, or patents or any license to use the same or to make, use, or sell anything embodying or utilizing any of said inventions or discoveries; that we have good right to assign the same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

5. Bind our heirs, legal representatives, and assigns, as well as ourselves, to do, upon Assignees' request and at Assignees' expense, but without additional consideration to us or them, all acts reasonably serving to assure that the said inventions and discoveries, the said patent applications, and the said Letters Patent shall be held and enjoyed by Assignees as fully and entirely as the same could have been held and enjoyed by us, our heirs, legal representatives, and assigns if this assignment had not been made; and particularly to execute and deliver to Assignees 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 Assignees; to communicate to Assignees all facts known to us relating to said inventions and discoveries or the history thereof; to furnish Assignees with any and all documents, photographs, models, samples, and other physical exhibits in our control or in the control of our heirs, legal representatives, or assigns which may be useful for establishing the facts of our conceptions, disclosures, 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 8<sup>th</sup> day of August, 2005.

Eberhard Schnaibel  
**Eberhard SCHNAIBEL**

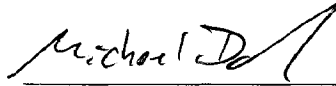
IN TESTIMONY WHEREOF, I have hereunto set my hand and seal this 08<sup>th</sup> day of August, 2005.

  
Andreas KORING

IN TESTIMONY WHEREOF, I have hereunto set my hand and seal this 24<sup>th</sup> day of  
August, 2005.

Ruediger Deibert  
**Ruediger DEIBERT**

IN TESTIMONY WHEREOF, I have hereunto set my hand and seal this 8<sup>th</sup> day of August, 2005.



**Michael DAETZ**