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[10191/3593]

FORM PTO-1595 (REV. 6/04)

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1. Name of conveying parties: **Helmut WEYL, Jens SCHNEIDER, Detlef HEIMANN, Thomas WAHL, Hans-Joerg RENZ, Norman HAHN, James Richard WALDROP II, Damien BARNES, Mike McCORMICK, John DAY**

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

3. Nature of conveyance:

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

Execution date: **May 15, 2004, May 14, 2004, April 16, 2004, April 16, 2004, April 20, 2004, April 20, 2004, April 23, 2004, December 8, 2004, May 18, 2004 and April 20, 2004**

2. Name and address of receiving party:

Name: **Robert Bosch GmbH**

Street Address: **Postfach 30 02 20**

City: **D-70442 Stuttgart**

Country: **Federal Republic of Germany**

Additional name(s) & address(es) attached? ☐ Yes ☒ No

4. Application numbers or patent numbers:

If this document is being filed together with a new application, the execution date of the application is:

A. Patent Applications: **10/798,746**

B. Patent No.(s):

Additional Numbers attached? ☐ Yes ☒ No

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

Name: **Richard L. Mayer, Esq.**  
Internal Address: **KENYON & KENYON**

Street Address: **One Broadway**  
City: **New York** State: **New York** ZIP: **10004**

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

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

☐ Enclosed  
☒ Authorized to be charged to deposit account

8. Deposit account number:

**11-0600**

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9. Statement and signature.

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

**Richard L. Mayer (Reg. No. 22,490)**  
Name of Person Signing

Signature

Date

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**PATENT  
REEL: 016108 FRAME: 0229**

**ASSIGNMENT**

WHEREAS, we,

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*JS*  
14.4.04

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Citizenship: ~~German~~ American 4-20-04 JED

have made certain new and useful inventions and discoveries in **UNHEATED PLANAR SENSOR ELEMENT FOR DETERMINING THE CONCENTRATION OF A GAS COMPONENT IN A GAS MIXTURE**, for which an application for Letters Patent is being filed herewith; and

WHEREAS **Robert Bosch GmbH**, having a place of business at **Postfach 30 02 20, D-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 us, receipt and sufficiency of which we hereby acknowledge, we 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 our names 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.

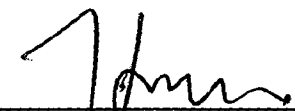
4. Warrant that we have not conveyed to others any right, title, or interest in said inventions, discoveries, applications, or patents or any license to use the same or to make, use, or sell anything embodying or utilizing any of said inventions or discoveries; that we have good right to assign the same to Assignee 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 Assignee's request and at Assignee's expense, but without additional consideration to us 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 us, our 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 us 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 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, we have hereunto set our hands and seals  
this x 15 day of x May, 2004.

x Helmut Weyl  
Helmut WEYL

IN TESTIMONY WHEREOF, we have hereunto set our hands and seals  
this x<sup>14</sup> day of x May, 2004.

x   
\_\_\_\_\_  
Jens SCHNEIDER

IN TESTIMONY WHEREOF, we have hereunto set our hands and seals  
this x 16th day of x April, 2004.

x Detlef Heimann  
Detlef HEIMANN

IN TESTIMONY WHEREOF, we have hereunto set our hands and seals  
this x 16<sup>th</sup> day of x april, 2004.

x   
Thomas WAHL



IN TESTIMONY WHEREOF, we have hereunto set our hands and seals  
this 20th day of April, 2004.

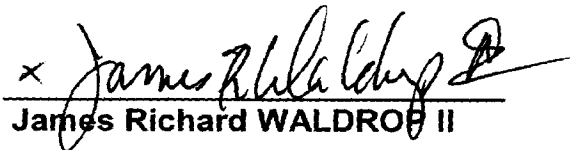
  
\_\_\_\_\_  
Hans-Joerg RENZ

IN TESTIMONY WHEREOF, we have hereunto set our hands and seals  
this x<sup>20<sup>th</sup></sup> day of x April, 2004.


x 

Norman HAHN

IN TESTIMONY WHEREOF, we have hereunto set our hands and seals  
this x23 day of x April, 2004.

x   
James Richard WALDROP II

IN TESTIMONY WHEREOF, we have hereunto set our hands and seals  
this X8<sup>th</sup> day of X December, 2004.

A handwritten signature in black ink, appearing to read 'D. Barnes', written over a horizontal line.

Damien BARNES

IN TESTIMONY WHEREOF, we have hereunto set our hands and seals  
this 18<sup>th</sup> day of May, 2004.

x   
Mike McCormick

IN TESTIMONY WHEREOF, we have hereunto set our hands and seals  
this x 20<sup>th</sup> day of x April, 2004.

x John Day  
John DAY