

FORM PTO-1585

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<p>1. Name of conveying party(ies): RIPPER, Wolfgang MAHR, Bernd SCHALLER, Johannes SCHARSACK, Cord PRASSER, Thomas Additional name(s) of conveying parties attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p>	<p>2. Name and address of receiving party(ies) Name: <u>Robert Bosch GmbH</u> Internal Address: _____ Street Address: <u>Postfach 30 02 20</u> City: <u>D-70442 Stuttgart</u> State: <u>Federal Republic of Germany</u> ZIP: _____</p> <p>Additional name(s) & address(es) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p>
<p>3. Nature of conveyance: <input checked="" type="checkbox"/> Assignment <input type="checkbox"/> Merger <input type="checkbox"/> Security Agreement <input type="checkbox"/> Change of Name <input type="checkbox"/> Other: _____ Execution dates: February 6, 2004, January 5, 2004, February 10, 2004, February 11, 2004 and February 12, 2004</p>	

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4. Application numbers or patent numbers:
 Execution date of application is:

<p>A. Patent Applications: 10/481,990</p>	<p>B. Patent No.(s)</p>
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Additional Numbers attached? Yes No

<p>5. Name and address of party to whom correspondence concerning document should be mailed: Name: <u>Richard L. Mayer</u> Internal Address: <u>KENYON & KENYON</u> Street Address: <u>One Broadway</u> City: <u>New York</u> State: <u>New York</u> ZIP: <u>10004</u> CUSTOMER NO. 26646</p>	<p>6. Total number of applications and patents involved: 1</p> <p>7. Total fee (37 C.F.R. 3.41) \$ 40.00 <input type="checkbox"/> Enclosed <input checked="" type="checkbox"/> Authorized to be charged to deposit account</p> <p>8. Deposit account number: 11-0600</p>
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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]
 Signature

7/8/04
 Date

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[10191/3493]

ASSIGNMENT

WHEREAS, we,

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Cord SCHARSACK
~~Olgastrasse 133b~~ Hauffstr. 4 11. Feb. 2004 SK
~~70180 Stuttgart~~ 71101 SCHOENRICH 11. Feb. 2004 SK
Federal Republic of Germany
Citizenship: Federal Republic of Germany

and

Thomas PRASSER
Rosenstrasse 35
71384 Weinstadt
Federal Republic of Germany
Citizenship: Federal Republic of Germany

have made inventions and discoveries in **MIXING DEVICE FOR AN EXHAUST GAS PURIFICATION SYSTEM**, the specification of which was filed as PCT International Application No. PCT/DE02/01924, on May 25, 2002, 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 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 the said inventions and discoveries, the said patent applications, and the 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, I have hereunto set my hand and seal this 106 day of
February, 2004.

X Wolfgang Ripper
Wolfgang RIPPER


IN TESTIMONY WHEREOF, I have hereunto set my hand and seal this 5 day of
January, 2004.

Bernd MAHR
Bernd MAHR

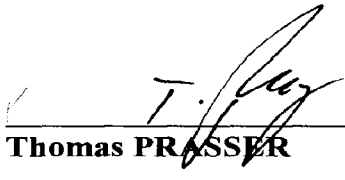
IN TESTIMONY WHEREOF, I have hereunto set my hand and seal this 10th day of February, 2004.


Johannes SCHALLER

IN TESTIMONY WHEREOF, I have hereunto set my hand and seal this 11th day of
February, 2004.


Cord SCHARSACK

IN TESTIMONY WHEREOF, I have hereunto set my hand and seal this 12 day of February, 2004.



Thomas PRASSER