**RECORDATION FORM COVER SHEET**

**PATENTS ONLY**

To the Director of the United States Patent and Trademark Office: Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):
   - Hermann GAESSLER, Udo DIEHL, Karsten MISCHKER, Rainer WALTER, Andreas BAUMANN, Gerhard FILP, Bernd ROSENAU, Juergen ULM, Thomas MOCKEN, Sevan TATIVOSYAN, Juergen SCHIEHMANN,

   Additional names(s) of conveying party(ies) Yes No

2. Name and address of receiving party(ies):
   - Name: Robert Bosch GmbH
   - Address: Postfach 30 02 20, 70442 Stuttgart, Germany

   City: State/Prov: Country: ZIP:

   Additional name(s) & address(es) Yes No

3. Nature of conveyance:
   - Assignment
   - Security Agreement
   - Change of Name
   - Other

   Execution Date: 5/5/03, 5/6/03, 5/7/03, 5/8/03, 5/12/03

4. Application number(s) or patent numbers(s):
   - If this document is being filed together with a new application, the execution date of the application is:

   Patent Application No. Filling date
   10/399,680 October 14, 2003

5. Name and address of party to whom correspondence concerning document should be mailed:
   - Name: RONALD E. GREIGG
   - Registration No. 31,517
   - Address: 1423 Powhatan Street, Suite One
   - City: Alexandria State/Prov: VA
   - Country: ZIP: 22314

6. Total number of applications and patents involved:

   B. Patent No(s)

   Additional numbers Yes No

7. Total fee (37 CFR 3.41): $ 40.00
   - Enclosed - Any excess or insufficiency should be credited or debited to deposit account
   - Authorized to be charged to deposit account

8. Deposit account number:
   07-2100
   (Attach duplicate copy of this page if paying by deposit account)

   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.

   RONALD E. GREIGG
   Name of Person Signing

   Signature

   May 21, 2004

   Total number of pages including cover sheet, attachments, and
   Mail the documents to be recorded with required above listed information to:
   Mail Stop Assignment Recordation Services
   Director of the United States Patent and Trademark Office
   P.O. Box 1450, Alexandria, VA 22313-1450

   700086242

   PATENT
   REEL: 014657 FRAME: 0157
**RECORDATION FORM COVER SHEET**

**PATENTS ONLY**

---

**To the Director of the United States Patent and Trademark Office: Please record the attached original documents or copy thereof.**

1. **Name of conveying party(ies):**
   - Christian GROSSE, Georg MALLEBREIN,
   - Volker BEUCHE, Stefan REIMER, Simon KIESER

   **Additional names(s) of conveying party(ies)**
   - Yes ☒ No ☐

2. **Name and address of receiving party(ies):**

   **Name:**

   **Address:**

   **City:**

   **StateProv.:**

   **Country:**

   **ZIP:**

   **Additional name(s) & address(es)**
   - Yes ☐ No ☒

3. **Nature of conveyance:**
   - ☒ Assignment
   - ☐ Merger
   - ☐ Security Agreement
   - ☐ Change of Name
   - ☐ Other

   **Execution Date:** 5/16/03, 5/20/03, 5/22/03, 5/23/03, 5/26/03

4. **Application number(s) or patent numbers(s):**

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

   **Patent Application No.**
   - 10/399,680

   **Filing date:**
   - October 14, 2003

   **B. Patent No.(s)**

   **Additional numbers**
   - Yes ☐ No ☒

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

   **Name:** RONALD E. GREIGG

   **Registration No.**
   - 31,517

   **Address:**
   - 1423 Powhatan Street, Suite One

   **City:** Alexandria

   **StateProv.:** VA

   **Country:**

   **ZIP:** 22314

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

7. **Total fee (37 CFR 3.41):**

   - ☐ Enclosed - Any excess or insufficiency should be credited or debited to deposit account
   - ☐ Authorized to be charged to deposit account

8. **Deposit account number:**

   (Attach duplicate copy of this page if paying by deposit account)

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.**

   RONALD E. GREIGG

   **Name of Person Signing**

   **Signature**

   **Date:** May 21, 2004

**Total number of pages including cover sheet, attachments, and**

**Mail documents to be recorded with required cover sheet information to:**

**Mail Stop Assignment Recording Services**

**Director of the United States Patent and Trademark Office**

**P.O. Box 1490, Alexandria, VA 22313-1490**

---

**PATENT**

**REEL: 014657 FRAME: 0158**
Assignment of Rights, Title and Interest in Invention
(Multiple inventors; single assignee)

This is an Assignment of the following rights, title and interest: (check all that apply):

☑ United States of America rights, title and interest in the invention
☑ Foreign rights, title and interest in the invention
☑ United States Patent Application Serial No. 10/399,680

Date of Execution: 5/5/03  
Date of Filing: October 14, 2003

☑ United States Patent No(s).
☒ Other (specify) Date of Execution: 5/7/03, 5/8/03, 5/12/03, 5/16/03, 5/20/03  
5/22/03, 5/23/03, 5/26/03

Title of the Invention

DETACHABLE CONNECTION FOR COUPLING A GAS EXCHANGE VALVE
OF AN INTERNAL COMBUSTION ENGINE TO AN ACTUATOR

Inventors (assignors)

<table>
<thead>
<tr>
<th>Name</th>
<th>Address</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hermann GAESSLER</td>
<td>Im Hoernle 14, 71685 Vaihingen, Germany</td>
</tr>
<tr>
<td>Udo DIEHL</td>
<td>Alla Stuttgarter Str. 11b, 70195 Stuttgart, Germany</td>
</tr>
<tr>
<td>Karsten MISCHKER</td>
<td>Crwin-Schoetlic-Str. 22, 71229 Leonberg, Germany</td>
</tr>
<tr>
<td>Rainer WALTER</td>
<td>Ludwig-Hofer-Str. 2, 74385 Pfeilshausen, Germany</td>
</tr>
<tr>
<td>Andreas BAUMANN</td>
<td>Bergweg 2, 71706 Markgröningen, Germany</td>
</tr>
<tr>
<td>Gerhard FILP</td>
<td>Adalbert-Stifter-Str. 10, 71691 Freiberg, Germany</td>
</tr>
<tr>
<td>Bernd ROSENAU</td>
<td>Utler Str. 1, 71732 Tamm, Germany</td>
</tr>
<tr>
<td>Juergen ULM</td>
<td>Uhlandstr. 21, 71735 Eberdingen, Germany</td>
</tr>
<tr>
<td>Thomas MOCKEN</td>
<td>Muehlerblick 20, 74372 Sersheim, Germany</td>
</tr>
<tr>
<td>Sevan TATYOSYAN</td>
<td>Wilhelm-Hauff-Str. 21/1, 74372 Sersheim, Germany</td>
</tr>
<tr>
<td>Juergen SCHIEFMANN</td>
<td>Eichenweg 9, 71706 Markgröningen, Germany</td>
</tr>
<tr>
<td>Christian GROSSE</td>
<td>Oststr. 13, 70806 Kornwestheim, Germany</td>
</tr>
<tr>
<td>Georg MALLEBREIN</td>
<td>Neuhaldenstr. 42/1, 70825 Konst-Müncheningen, Germany</td>
</tr>
<tr>
<td>Volker BEUCHE</td>
<td>Wiesbadener Str. 37, 70372 Stuttgart, Germany</td>
</tr>
<tr>
<td>Stefan REIMER</td>
<td>Lombergerweg 2, 71706 Markgröningen, Germany</td>
</tr>
<tr>
<td>Simon KIESER</td>
<td>Metterstr. 47, 74343 Sachsenheim, Germany</td>
</tr>
</tbody>
</table>

Assignee

<table>
<thead>
<tr>
<th>Name</th>
<th>Address</th>
</tr>
</thead>
<tbody>
<tr>
<td>Robert Bosch GmbH</td>
<td>Postfach 30 02 20, 70442 Stuttgart, Germany</td>
</tr>
</tbody>
</table>
Assignment of Rights, Title and Interest in Invention
(Multiple inventors; single assignee)

Whereas, we, the above-identified Inventors, have invented certain new and useful improvements in the Invention identified above and described in the above-identified patent application(s) and/or patent(s) (hereinafter referred to as "Invention");

And, whereas we desire to assign our above-identified rights, title and interest in the Invention to the above-identified Assignee;

Now, this indenture witnesses, that for good and valuable consideration, the receipt whereof is hereby acknowledged;

We hereby assign, sell and transfer our above-identified rights, title and interest in said Invention, said application(s) as identified above, including any divisions, continuations, and continuations-in-part thereof, and in and to any and all Letters Patent of the United States, and countries foreign thereto, which may be granted or have been granted for said Invention, and in and to any and all reissues and reexaminations thereof, and in and to any and all priority rights, Convention rights, and other benefits accruing or to accrue to us with respect to the filing of applications for patents or securing of patents in the United States and countries foreign thereto, unto said Assignee;

And we hereby authorize and request the Commissioner of Patents and Trademarks to issue any United States Letters Patent which may issue for said Invention to said Assignee, as assignee of the whole right, title and interest thereto;

And we further agree to sign and execute all necessary and lawful future documents, including applications for foreign patents, for filing divisions, continuations and continuations-in-part of said application for patent, and/or, for obtaining any reissue or reissues of any Letters Patent which may be granted for my aforesaid Invention, as the Assignee of its Designee(s) may from time to time require and prepare at its own expense.

Inventors' Signatures (if Notarization is desired, do not sign here and proceed to next page)

<table>
<thead>
<tr>
<th>Name</th>
<th>Signature/Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hermann GAESSLER</td>
<td>6 - May - 2003</td>
</tr>
<tr>
<td>Udo DIEHL</td>
<td>7 - May - 2003</td>
</tr>
<tr>
<td>Karsten MISCHKER</td>
<td>5 - May - 2003</td>
</tr>
<tr>
<td>Rainer WALTER</td>
<td>5 - May - 2003</td>
</tr>
<tr>
<td>Andreas BAUMANN</td>
<td>28 - May - 2003</td>
</tr>
<tr>
<td>Gerhard FILP</td>
<td>20 - May - 2003</td>
</tr>
<tr>
<td>Bernd ROSENAY</td>
<td>2 - May - 2003</td>
</tr>
<tr>
<td>Juergen ULM</td>
<td>16 - May - 2003</td>
</tr>
<tr>
<td>Thomas MOCKEN</td>
<td>22 - May - 2003</td>
</tr>
<tr>
<td>Sevan TATYOSYAN</td>
<td>22 - May - 2003</td>
</tr>
<tr>
<td>Juergen SCHIEMANN</td>
<td>5 - May - 2003</td>
</tr>
<tr>
<td>Christian GROSSE</td>
<td>6 - May - 2003</td>
</tr>
<tr>
<td>Georg MALLEBREIN</td>
<td>28 - May - 2003</td>
</tr>
<tr>
<td>Stefan REIMER</td>
<td>6 - May - 2003</td>
</tr>
<tr>
<td>Simon KIESER</td>
<td>8 - May - 2003</td>
</tr>
</tbody>
</table>