



02-04-2003

Set No.: R.38948

U.S. DEPARTMENT OF COMMERCE
Patent and Trademark Office



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To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.

1. Name of conveying party(ies): 1-27-03
Hans SCHLEMBACH, Hermann GAESSLER, Udo DIBEL
Karsten MISCHKER, Rainer WALTER, Ulf PISCHKE
Andreas BAUMANN, Hubert SCHWEIGGART,
Gerhard FILP, Bernd ROSENAU, Juergen ULM

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

Name: **ROBERT BOSCH GmbH**

Address: **Postfach 30 02 20**

70442 Stuttgart, Germany

Additional names(s) of conveying party(ies)

☒ Yes

☒ No

3. Nature of conveyance:

☒ Assignment

☐ Merger

☐ Security Agreement

☐ Change of Name

☐ Other

SEE ATTACHED SHEET

Execution Date: **June 12, 14, 20, 2002 July 15, 16, 2002**

City: _____ State/Prov.: _____

Country: _____ ZIP: _____

Additional name(s) & address(es)

☐ Yes

☒ No

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.

Filing date

B. Patent No.(s)

10/110,709

JULY 23, 2002

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, Unit One**

10/11/2002 TDI A Z1 00000188 072100 10110709

01 FC:581 40.00 CH

City: **Alexandria** State/Prov.: **VA**

Country: **U.S.A.** ZIP: **22314**

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

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

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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.

RONALD E. GREIGG

Name of Person Signing

Signature

04 OCTOBER 2002

Date

Total number of pages including cover sheet, attachments, and

7

Mail documents to be recorded with required cover sheet information to:
Commissioner of Patents & Trademarks, Box Assignments
Washington, D.C. 20231

PATENT
REEL: 013707 FRAME: 0683

**Assignment of Rights, Title and Interest in Invention
(Multiple inventors; single assignee)**

Docket No.
R.38948

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 witnesseth, 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 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 or 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)

Name	Signature/Date
Hans SCHLEMBACH	Hans Schlembach 12.06.02
Hermann GAESSLER	Hermann Gaessler 14 - June - 2002
Udo DIEHL	Udo Diehl 14 - June - 2002
Karsten MISCHKER	Karsten Mischker 14 - June - 2002
Rainer WALTER	Rainer Walter 12 - June - 2002
Ulf PISCHKE	Ulf Pischke 15 July 2002
Andreas BAUMANN	Andreas Baumann 15 - June - 2002
Hubert SCHWEIGGART	Hubert Schweiggart 15.07.02
Gerhard FILP	Gerhard Filp 16.6.02
Bernd ROSENAU	Bernd Rosenau 20 June 2002
Juergen ULM	Juergen Ulm 16.07.02
Uwe HAMMER	Uwe Hammer 15.07.06
Thomas MOCKEN	Thomas Mocken 20 June 2002
Sevan TATYOSYAN	Sevan Tatyosyan 20 June 2002

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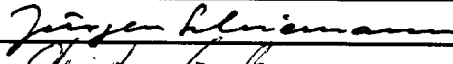
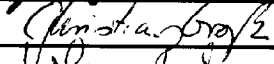
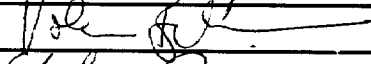
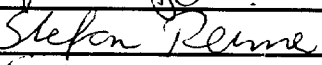
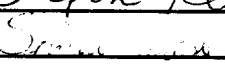
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Inventors' Signatures (if Notarization is desired, do not sign here and proceed to next page)

Name	Signature/Date
Juergen SCHIEMANN	 14 - June - 2002
Christian GROSSE	 12th - June - 2002
Volker BEUCHE	 27 - June - 2002
Stefan REIMER	 14th - June - 2002
Simon KIESER	 5th - July - 2002

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(Multiple inventors; single assignee)**

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Rainer WALTER	<i>Rainer Walter</i> 12 - June - 2002
Ulf PISCHKE	
Andreas BAUMANN	<i>Andreas Baumann</i> 15 - June - 2002
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Juergen ULM	
Uwe HAMMER	
Thomas MOCKEN	<i>Thomas Mocken</i> 20 June 2002
Sevan TATIYOSYAN	<i>Sevan Tatiyosyan</i> 20 June 2002

[Page 2 of]

Assignment of Rights, Title and Interest in Invention
(Multiple inventors; single assignee)

Docket No.
R.38948

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.* _____

Date of Execution: _____

Date of Filing: _____

☐ *United States Provisional Patent Application Serial No.* _____

☐ *United States Patent No(s).* _____

☐ *International (PCT) Patent Application Serial No.* _____

☐ *Other (specify)* _____

Title of the Invention

CONNECTION BETWEEN A SHAFT END OF A GAS EXCHANGE VALVE OF AN INTERNAL
COMBUSTION ENGINE AND A FINAL CONTROL ELEMENT OF A VALVE ACTUATOR

Inventors (assignors)

<i>Name</i>	<i>Address</i>
Juergen SCHIEMANN	Eichenweg 9, 71706 Markgroeningen, Germany
Christian GROSSE	Oststr. 13, 70806 Kornwestheim, Germany
Volker BEUCHE	Wiesbadner Str. 37, 70372 Stuttgart, Germany
Stefan REIMER	Lembergerweg 2, 71706 Markgroeningen, Germany
Simon KIESER	Metterstr. 47, 74343 Sachsenheim, Germany

Assignee

<i>Name</i>	<i>Address</i>
Robert Bosch GmbH	Postfach 30 02 20, 70442 Stuttgart, Germany

Assignment of Rights, Title and Interest in Invention
(Multiple inventors; single assignee)

Docket No.
R.38948

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- ☒ *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.* 10/110,709
Date of Execution: June 12, 2002 *Date of Filing:* July 23, 2002
☐ *United States Provisional Patent Application Serial No.* _____
☐ *United States Patent No(s).* _____
☐ *International (PCT) Patent Application Serial No.* _____
☒ *Other (specify)* Date Of Execution Continued..... June 12, 14, 15, 16, 20, 22, 27, July 8, 15, and 16, 2002

Title of the Invention

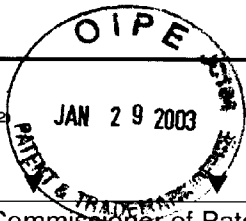
CONNECTION BETWEEN A SHAFT END OF A GAS EXCHANGE VALVE OF AN INTERNAL
COMBUSTION ENGINE AND A FINAL CONTROL ELEMENT OF A VALVE ACTUATOR

Inventors (assignors)

<i>Name</i>	<i>Address</i>
Hans SCHLEMBACH	Narzissenweg 5, 75417 Muehlacker, Germany
Hermann GAESSLER	Im Hoernle 14, 71665 Vaihingen, Germany
Udo DIEHL	Alte Stuttgarter Str. 115, 70195 Stuttgart, Germany
Karsten MISCHKER <i>Erwin-Schöfle-Str. 22</i>	Blockenturmstr. 10 , 71229 Leonberg, Germany
Rainer WALTER	Ludwig-Hofer-Str. 2, 74385 Pleidelsheim, Germany
Ulf PISCHKE	Betzweiler Str. 21, 70563 Stuttgart, Germany
Andreas BAUMANN	Bergweg 2, 71706 Markgroeningen, Germany
Hubert SCHWEIGGART	Auf der Kanzel 6, 70191 Stuttgart, Germany
Gerhard FILP	Adalbert-Stifter-Str. 10, 71691 Freiberg, Germany
Bernd ROSENAU	Ulmer Str. 1, 71732 Tamm, Germany
Juergen ULM	Uhlandstr. 21, 71735 Eberdingen, Germany
Uwe HAMMER	Pappelweg 1, 71706 Markgroeningen, Germany
Thomas MOCKEN	Muehlenblick 26, 74372 Sersheim, Germany
Sevan TATYOSYAN	Wilhelm-Hauff-Str. 21/1, 74372 Sersheim, Germany

Assignee

<i>Name</i>	<i>Address</i>
Robert Bosch GmbH	Postfach 30 02 20, 70442 Stuttgart, Germany



PATENTS ONLY

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To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):

**Uwe HAMMER, Thomas MOCKEN, Sevan TATYOSYAN,
Juergen SCHIEMANN, Christian GROSSE,
Volker BEUCHE, Stefan REIMER, Simon KIESER**

Additional names(s) of conveying party(ies)

☐ Yes ☒ No

3. Nature of conveyance:

☒ Assignment

☐ Merger

☐ Security Agreement

☐ Change of Name

☐ Other

SEE ATTACHED SHEET

Execution Date: **June 20, 14, 12, 27, 2002 July 8, 2002**

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

Name:

Address:

City:

State/Prov.:

Country:

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Additional name(s) & address(es)

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

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Filing date

B. Patent No.(s)

Additional numbers

☐ Yes ☐ No

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

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Registration No.

Address:

City:

State/Prov.:

Country:

ZIP:

6. Total number of applications and patents involved:

7. Total fee (37 CFR 3.41):.....\$

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☐ Authorized to be charged to deposit account

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Name of Person Signing

Signature

Date

Total number of pages including cover sheet, attachments, and

Mail documents to be recorded with required cover sheet information to:
Commissioner of Patents & Trademarks, Box Assignments
Washington, D.C. 20231

INVENTOR**EXECUTION DATE**

Hans Schlembach	June 12, 2002
Hermann Gaessler	June 14, 2002
Udo Diehl	June 14, 2002
Karsten Mischker	June 12, 2002
Rainer Walter	June 12, 2002
Ulf Pischke	July 15, 2002
Andreas Baumann	June 15, 2002
Hubert Schweiggart	July 15, 2002
Gerhard Filp	June 15, 2002
Bernd Rosenau	June 28, 2002
Juergen Ulm	July 16, 2002
Uwe Hammer	July 15, 2002
Thomas Mocken	June 20, 2002
Sevan Tatiyosyan	June 20, 2002
Juergen Schiemann	June 14, 2002
Christian Grosse	June 12, 2002
Volker Beuche	June 27, 2002
Stefan Reimer	June 14, 2002
Simon Kieser	July 8, 2002



JANUARY 23, 2003

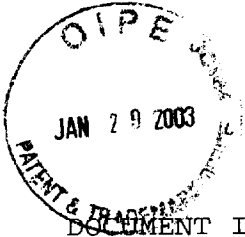
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ALEXANDRIA, VA 22314

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Arlington, VA 22202-3513
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ASSIGNMENT DIVISION
OFFICE OF PUBLIC RECORDS

RECORDED: 10/04/2002

PATENT
REEL: 013707 FRAME: 0691