

PATENT ASSIGNMENT

Electronic Version v1.1
 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT								
NATURE OF CONVEYANCE:	ASSIGNMENT								
CONVEYING PARTY DATA									
<table border="1"> <thead> <tr> <th>Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>Mr. Hans-Juergen Huesges</td> <td>09/08/2013</td> </tr> <tr> <td>Mr. Hans-Ulrich Kuehnel</td> <td>09/10/2013</td> </tr> <tr> <td>Mr. Peter Corbach</td> <td>09/16/2013</td> </tr> </tbody> </table>		Name	Execution Date	Mr. Hans-Juergen Huesges	09/08/2013	Mr. Hans-Ulrich Kuehnel	09/10/2013	Mr. Peter Corbach	09/16/2013
Name	Execution Date								
Mr. Hans-Juergen Huesges	09/08/2013								
Mr. Hans-Ulrich Kuehnel	09/10/2013								
Mr. Peter Corbach	09/16/2013								
RECEIVING PARTY DATA									
Name:	PIERBURG GMBH								
Street Address:	ALFRED-PIERBURG-STRASSE 1								
City:	NEUSS								
State/Country:	GERMANY								
Postal Code:	41460								
PROPERTY NUMBERS Total: 1									
<table border="1"> <thead> <tr> <th>Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>14006319</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	14006319				
Property Type	Number								
Application Number:	14006319								
CORRESPONDENCE DATA									
Fax Number:	0000000000								
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>									
Phone:	+49 2102 168928-0								
Email:	mail@thot-patent.de								
Correspondent Name:	Patent Law Offices of Dr. Norman B. Thot								
Address Line 1:	P.O. Box 10 17 56								
Address Line 4:	Ratingen, GERMANY 40837								
ATTORNEY DOCKET NUMBER:	TS/PIE 1308 US-PAT								
NAME OF SUBMITTER:	Norman B. Thot								
Signature:	/Norman B. Thot/								
Date:	09/23/2013								

CH \$40.00 14006319

Total Attachments: 6

source=Executed_Assignment_Huesges#page1.tif

source=Executed_Assignment_Huesges#page2.tif

source=Executed_Assignment_Kuehnel#page1.tif

source=Executed_Assignment_Kuehnel#page2.tif

source=Executed_Assignment_Corbach#page1.tif

source=Executed_Assignment_Corbach#page2.tif

ASSIGNMENT

I, Hans-Juergen Huesges, a citizen of Germany, residing at Hoerenweg 18, 47877 Willich; GERMANY;

I, Hans-Ulrich Kuehnel, a citizen of Germany, residing at Kranichstrasse 5, 41239 Moenchengladbach; GERMANY; and

I, Peter Corbach, a citizen of Germany, residing at Blumenfeldstrasse 121, 44795 Bochum; GERMANY;

and each of us, if more than one person is identified above (hereinafter "ASSIGNOR") in consideration of the sum of Ten Dollars (\$10.00), or the equivalent thereof, and other good and valuable consideration, the sufficiency of which and receipt of which are hereby acknowledged, paid to ASSIGNOR by

PIERBURG GMBH

a Corporation organized under the laws of Germany, located at Alfred-Pierburg-Strasse 1, 41460 Neuss, GERMANY (hereinafter "ASSIGNEE"), do hereby sell and assign to said ASSIGNEE, its successors and assigns, the below indicated right, title, and interest, in and for the United States of America only in and to my Invention entitled:

EXHAUST-GAS RECIRCULATION MODULE FOR AN INTERNAL COMBUSTION ENGINE

invented by me and described in PCT/EP2012/051553, filed January 31, 2012 in the PCT, including but not limited to the right to claim priority, and all patents, divisions, reissues, continuations, continuations-in-part and any extensions thereof and rights of priority therein, including the right to sue for past infringement and any such recovery, said interest being my entire ownership interest in the same, to be held and enjoyed by said ASSIGNEE, its successors, assigns, or other legal representatives, to the full end of the term thereof, as fully and entirely as the same would have been held and enjoyed by me if this assignment and sale had not been made, including all rights of Assignor to recover for past infringement thereof;

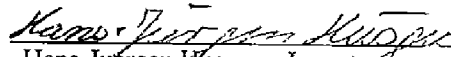
And for the consideration aforesaid, I hereby covenant and agree to and with said ASSIGNEE, its successors and assigns, that whenever ASSIGNEE, its counsel or representative, or the counsel or representative of its successors or assigns, shall advise that an amendment to, or a division of, or any other proceeding or action in connection with an application concerning said Invention, including interference proceedings, is lawful and desirable, or that a reissue or continuation or extension of such application or patent issuing therefrom is lawful and desirable, I will sign all papers and drawings, take all rightful oaths and affidavits, and do all acts necessary or required to be done for the procurement of all lawful rights associated with the Invention, or for the reissue or continuation or extension of the same, will do all acts necessary or required to secure in said ASSIGNEE, its successors or assigns, the title to and full benefit of all rights hereby assigned, without charge to said ASSIGNEE or its successors or assigns, but at its or their expense; and I hereby appoint every present or future officer of said ASSIGNEE as my agent to sign all such papers and to do all such necessary acts on my behalf, to the fullest extent permitted by law;

And I hereby authorize and request the Commissioner of Patents and Trademarks and any other granting authority to issue any Letters Patent resulting from said Invention and application(s) concerning same to said ASSIGNEE.

This assignment shall have an effective date corresponding to the last date of execution.

I declare under penalty of perjury under the laws of the United States of America, and under penalty of the laws of any other jurisdiction before which this document may be presented, that I have signed this document as my own free act and that all of the foregoing is true and correct.

Dated: 8.9.2013


Hans-Jürgen Hiesges, Inventor

Dated: _____

Hans-Ulrich Kuehnel, Inventor

Dated: _____

Peter Corbach, Inventor

ASSIGNMENT

I, Hans-Juergen Huesges, a citizen of Germany, residing at Hoerenweg 18, 47877 Willich; GERMANY;

I, Hans-Ulrich Kuehnel, a citizen of Germany, residing at Kranichstrasse 5, 41239 Moenchengladbach; GERMANY; and

I, Peter Corbach, a citizen of Germany, residing at Blumenfeldstrasse 121, 44795 Bochum; GERMANY;

and each of us, if more than one person is identified above (hereinafter "ASSIGNOR") in consideration of the sum of Ten Dollars (\$10.00), or the equivalent thereof, and other good and valuable consideration, the sufficiency of which and receipt of which are hereby acknowledged, paid to ASSIGNOR by

PIERBURG GMBH

a Corporation organized under the laws of Germany, located at Alfred-Pierburg-Strasse 1, 41460 Neuss, GERMANY (hereinafter "ASSIGNEE"), do hereby sell and assign to said ASSIGNEE, its successors and assigns, the below indicated right, title, and interest, in and for the United States of America only in and to my Invention entitled:

EXHAUST-GAS RECIRCULATION MODULE FOR AN INTERNAL COMBUSTION ENGINE

invented by me and described in PCT/EP2012/051553, filed January 31, 2012 in the PCT, including but not limited to the right to claim priority, and all patents, divisions, reissues, continuations, continuations-in-part and any extensions thereof and rights of priority therein, including the right to sue for past infringement and any such recovery, said interest being my entire ownership interest in the same, to be held and enjoyed by said ASSIGNEE, its successors, assigns, or other legal representatives, to the full end of the term thereof, as fully and entirely as the same would have been held and enjoyed by me if this assignment and sale had not been made, including all rights of Assignor to recover for past infringement thereof;

And for the consideration aforesaid, I hereby covenant and agree to and with said ASSIGNEE, its successors and assigns, that whenever ASSIGNEE, its counsel or representative, or the counsel or representative of its successors or assigns, shall advise that an amendment to, or a division of, or any other proceeding or action in connection with an application concerning said Invention, including interference proceedings, is lawful and desirable, or that a reissue or continuation or extension of such application or patent issuing therefrom is lawful and desirable, I will sign all papers and drawings, take all rightful oaths and affidavits, and do all acts necessary or required to be done for the procurement of all lawful rights associated with the Invention, or for the reissue or continuation or extension of the same, will do all acts necessary or required to secure in said ASSIGNEE, its successors or assigns, the title to and full benefit of all rights hereby assigned, without charge to said ASSIGNEE or its successors or assigns, but at its or their expense; and I hereby appoint every present or future officer of said ASSIGNEE as my agent to sign all such papers and to do all such necessary acts on my behalf, to the fullest extent permitted by law;

And I hereby authorize and request the Commissioner of Patents and Trademarks and any other granting authority to issue any Letters Patent resulting from said Invention and application(s) concerning same to said ASSIGNEE.

This assignment shall have an effective date corresponding to the last date of execution.


I declare under penalty of perjury under the laws of the United States of America, and under penalty of the laws of any other jurisdiction before which this document may be presented, that I have signed this document as my own free act and that all of the foregoing is true and correct.

Dated: _____

Dated: 10.09.2003

Dated: _____

Hans-Juergen Huesges, Inventor



Hans-Ulrich Kuehnel, Inventor

Peter Corbach, Inventor

Docket No.: TS/PIE 1308 US-PAT

ASSIGNMENT

I, Hans-Juergen Huesges, a citizen of Germany, residing at Hoerenweg 18, 47877 Willich; GERMANY;

I, Hans-Ulrich Kuehnel, a citizen of Germany, residing at Kranichstrasse 5, 41239 Moenchengladbach; GERMANY; and

I, Peter Corbach, a citizen of Germany, residing at Blumenfeldstrasse 121, 44795 Bochum; GERMANY;

and each of us, if more than one person is identified above (hereinafter "ASSIGNOR") in consideration of the sum of Ten Dollars (\$10.00), or the equivalent thereof, and other good and valuable consideration, the sufficiency of which and receipt of which are hereby acknowledged, paid to ASSIGNOR by

PIERBURG GMBH

a Corporation organized under the laws of Germany, located at Alfred-Pierburg-Strasse 1, 41460 Neuss, GERMANY (hereinafter "ASSIGNEE"), do hereby sell and assign to said ASSIGNEE, its successors and assigns, the below indicated right, title, and interest, in and for the United States of America only in and to my Invention entitled:

EXHAUST-GAS RECIRCULATION MODULE FOR AN INTERNAL COMBUSTION ENGINE

invented by me and described in PCT/EP2012/051553, filed January 31, 2012 in the PCT, including but not limited to the right to claim priority, and all patents, divisions, reissues, continuations, continuations-in-part and any extensions thereof and rights of priority therein, including the right to sue for past infringement and any such recovery, said interest being my entire ownership interest in the same, to be held and enjoyed by said ASSIGNEE, its successors, assigns, or other legal representatives, to the full end of the term thereof, as fully and entirely as the same would have been held and enjoyed by me if this assignment and sale had not been made, including all rights of Assignor to recover for past infringement thereof;

And for the consideration aforesaid, I hereby covenant and agree to and with said ASSIGNEE, its successors and assigns, that whenever ASSIGNEE, its counsel or representative, or the counsel or representative of its successors or assigns, shall advise that an amendment to, or a division of, or any other proceeding or action in connection with an application concerning said Invention, including interference proceedings, is lawful and desirable, or that a reissue or continuation or extension of such application or patent issuing therefrom is lawful and desirable, I will sign all papers and drawings, take all rightful oaths and affidavits, and do all acts necessary or required to be done for the procurement of all lawful rights associated with the Invention, or for the reissue or continuation or extension of the same, will do all acts necessary or required to secure in said ASSIGNEE, its successors or assigns, the title to and full benefit of all rights hereby assigned, without charge to said ASSIGNEE or its successors or assigns, but at its or their expense; and I hereby appoint every present or future officer of said ASSIGNEE as my agent to sign all such papers and to do all such necessary acts on my behalf, to the fullest extent permitted by law;

And I hereby authorize and request the Commissioner of Patents and Trademarks and any other granting authority to issue any Letters Patent resulting from said Invention and application(s) concerning same to said ASSIGNEE.

This assignment shall have an effective date corresponding to the last date of execution.

I declare under penalty of perjury under the laws of the United States of America, and under penalty of the laws of any other jurisdiction before which this document may be presented, that I have signed this document as my own free act and that all of the foregoing is true and correct.

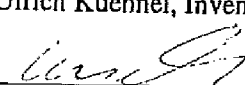
Dated: _____

Hans-Juergen Huesges, Inventor

Dated: _____

Hans-Ulrich Kuehnel, Inventor

Dated: 16.09.2013



Peter Corbach, Inventor