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SHEET

U.S. DEPARTMENT OF COMMERCE
Patent and Trademark Office
Attorney Docket 4100-364PUS

103129040

To the Honorable Commissioner of Patents and Trademarks

the attached original documents or copy thereof.

1. Name of conveying party(ies):
Peter GRUNAU
Stephan HAAS
Günter HEIDER

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

Name: MAN B&W Diesel Aktiengesellschaft

Internal Address:

Street Address:

City: AugsburgState/Country: GermanyZip: 86224Additional name(s) of conveying party(ies) attached? ☐ Yes ☒ No

3. Nature of conveyance:

☒ Assignment ☐ Merger☐ Security Agreement ☐ Change of Name☐ OtherAdditional name(s) & address(es) attached? ☐ Yes ☒ No

Execution Date: 8/30/05; 8/31/05; 9/12/05

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

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

A. Patent Application No.(s)

10/546,879

B. Patent No.(s)

n/a

10/14/2005 MKAYPAGH 00000120 10546879

02 FC-8021

40.00 DP

Additional numbers attached? ☐ Yes ☒ No

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

Name: Thomas C. PontaniInternal Address: Cohen, Pontani, Lieberman & PavaneStreet Address: 551 Fifth Avenue, 12th FloorCity: New York State: New York Zip: 10176

6. Total number of applications and patents involved:

1

7. Total fee (37 CFR 3.41):.....\$40.00☒ Enclosed☒ Authorized to be charged to deposit account8. Deposit account number: 03-2412

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

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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.

Alfred W. Froeblich
Name of Person Signing
Reg. No. 38,887

Signature

October 11, 2005
Date

Total number of pages including cover sheet, attachments, and document:

4

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

Mail Stop Assignment Recordation
Director of the US Patent and Trademark Office
PO Box 1450
Alexandria, VA 22313-1450

ASSIGNMENT

In consideration of One Dollar (\$1.00), and other good and valuable consideration, the receipt of which is hereby acknowledged, We the undersigned, **Peter GRÜNAUG, Stephan HAAS, and Günter HEIDER** (hereinafter referred to as "ASSIGNOR"):

Hereby sell, assign and transfer to **MAN B&W Diesel Aktiengesellschaft** (hereinafter referred to as "ASSIGNEE"), a corporation of Germany, having a place of business at 86224 Augsburg, Germany, its successors, assigns and legal representatives, the entire right, title and interest for the United States and all foreign countries, in and to the invention which is disclosed in the application for United States Letters Patent, which is the U.S. national stage application of International PCT Application No. **PCT/EP2004/001722**, filed on **21 February 2004**, and which is entitled

METHOD FOR OPTIMIZING THE OPERATING MODE AND COMBUSTION MODE OF A DIESEL ENGINE

and in and to said application and all divisional, continuing, substitute, renewal, reissue, and all other applications for Letters Patent which have been or shall be filed in the United States and all foreign countries on said invention; and in and to all original, reissued and other patents and certificates of invention which have been or shall be issued in the United States and all foreign countries on said invention;

Agree that said Assignee may apply for and receive Letters Patent for said invention in its own name, and that, when requested, without further consideration from or charge to, but at the expense of said Assignee, its successors, assigns and legal representatives, to carry out in good faith the intent and purpose of this assignment, the undersigned will execute all divisional,

continuing, substitute, renewal, reissue, and all other patent applications on said invention; execute all rightful oaths, assignments, powers of attorney and other papers; communicate to said Assignee, its successors, assigns, and representatives, all facts known to the undersigned relating to said invention and the history thereof; and generally do everything possible which said Assignee, its successors, assigns or representatives shall consider desirable for aiding in securing and maintaining proper patent protection for said invention and for vesting title to said invention and all applications for patents and all patents on said invention, in said Assignee, its successors, assigns and legal representatives; and

Covenant with said Assignee, its successors, assigns and legal representatives that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been made to others by the undersigned, and that full right to convey the same as herein expressed is possessed by the undersigned.

Date: 08/31/2005
month/day/year

PETER GRÜNAUG
Peter GRÜNAUG

Peter Grünau
Witness

Stefan Peter
Witness

Date: 08/30/2005
month/day/year

STEPHAN HAAS
Stephan HAAS

StpL Haas
Witness

Stefan Peter
Witness

Date: 08/12/05
month/day/year

Günter Heider
Günter HEIDER

Günter Heider
Witness

Stacey P. B. K.
Witness