

Form PTO-1595 (Rev. 07/05)
OMB No. 0651-0027 (exp. 6/30/2008)U.S. DEPARTMENT OF COMMERCE
United States Patent and Trademark Office**RECORDATION FORM COVER SHEET
PATENTS ONLY**

To the Director of the U.S. Patent and Trademark Office: Please record the attached documents or the new address(es) below.

1. Name of conveying party(ies)Anthony Greszler
Andreas HinzAdditional name(s) of conveying party(ies) attached? ☐ Yes ☒ No**3. Nature of conveyance/Execution Date(s):**Execution Date(s) 4/10/06; 4/13/06

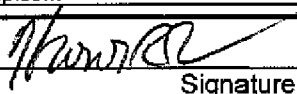
- ☒ Assignment ☐ Merger
☐ Security Agreement ☐ Change of Name
☐ Joint Research Agreement
☐ Government Interest Assignment
☐ Executive Order 9424, Confirmatory License
☐ Other _____

2. Name and address of receiving party(ies)Name: Mack Trucks, Inc.

Internal Address: _____

Street Address: 2100 Mack Blvd., PO Box MCity: AllentownState: PACountry: USA Zip: 18105-5000Additional name(s) & address(es) attached? ☐ Yes ☒ No**4. Application or patent number(s):**A. Patent Application No.(s)
PCT/US2006/014053☐ This document is being filed together with a new application.
B. Patent No.(s)Additional numbers attached? ☐ Yes ☒ No**5. Name and address to whom correspondence concerning document should be mailed:**Name: Harold R. Brown IIIInternal Address: WRB-IP LLPStreet Address: 1217 King StreetCity: AlexandriaState: VA Zip: 22314Phone Number: 7032990953Fax Number: 7032990036Email Address: harry@wrb-ip.com**6. Total number of applications and patents involved: 1****7. Total fee (37 CFR 1.21(h) & 3.41) \$40.00**

- ☐ Authorized to be charged by credit card
☒ Authorized to be charged to deposit account
☐ Enclosed
☐ None required (government interest not affecting title)

8. Payment Informationa. Credit Card Last 4 Numbers _____
Expiration Date _____b. Deposit Account Number 503015Authorized User Name Harold R. Brown III**9. Signature:**
Signature

May 2, 2006

Date

Harold R. Brown III
Name of Person Signing

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

5

Documents to be recorded (including cover sheet) should be faxed to (571) 273-0140, or mailed to:
Mail Stop Assignment Recordation Services, Director of the USPTO, P.O.Box 1450, Alexandria, V.A. 22313-1450

CH \$40.00 503015 US0614053

Application No. PCT/US2006/014053
Attorney's Docket No. 000009-032

ASSIGNMENT (JOINT)

This Assignment, by
a. Anthony Greszler, and
b. Andreas Hinz

residing at
a. 10 Dartmouth Drive, Hagerstown, MD 21742, USA
b. Vastra Moranvagen 1, SE-439 32 Onsala, Sweden

(hereinafter referred to as "the Assignors"), respectively, witnesseth:

WHEREAS, the Assignors have invented certain new and useful improvements in

ENGINE WITH EMISSIONS CONTROL ARRANGEMENT AND METHOD OF CONTROLLING ENGINE EMISSIONS

set forth in an application for Letters Patent of the United States, which is a

- (1) provisional application
a. bearing Application No. and filed on
b. to be filed herewith; or
(2) x non-provisional application
a. x bearing Application No. PCT/US2006/014053 and filed on Apr. 13, 2006
b. x having an oath or declaration executed on even date herewith prior to filing of application;
c. having an oath or declaration executed on a different date than this Assignment; and

WHEREAS, Mack Trucks, Inc., a corporation having a principal place of business at 2100 Mack Blvd., P.O. Box M, Allentown, PA 18105-5000, United States (hereinafter referred to as "the Assignee"), is desirous of acquiring the entire right, title, and interest in and to said inventions, the right to file applications on said inventions and the entire right, title and interest in and to any applications, including provisional applications for Letters Patent of the United States or other countries claiming priority to said application, and in and to any Letters Patent or Patents, United States or foreign, to be obtained therefor and thereon.

NOW, THEREFORE, for good and sufficient consideration, the receipt of which is hereby acknowledged, the Assignors have sold, assigned, transferred, and set over, and by these presents do sell, assign, transfer, and set over, unto the Assignee, its successors,

Application No. PCT/US2006/014053
Attorney's Docket No. 000009-032

legal representatives, and assigns the entire right, title, and interest in and to the above-mentioned inventions, the right to file applications on said inventions and the entire right, title and interest in and to any applications for Letters Patent of the United States or other countries claiming priority to said applications, and any and all Letters Patent or Patents of the United States of America and all foreign countries that may be granted therefor and thereon, and in and to any and all applications claiming priority to said applications, divisions, continuations, and continuations-in-part of said applications, and reissues and extensions of said Letters Patent or Patents, and all rights under the International Convention for the Protection of Industrial Property, the same to be held and enjoyed by the Assignee, for its own use and behoof and the use and behoof of its successors, legal representatives, and assigns, to the full end of the term or terms for which Letters Patent or Patents may be granted as fully and entirely as the same would have been held and enjoyed by the Assignors had this sale and assignment not been made;

AND for the same consideration, the Assignors hereby covenant and agree to and with the Assignee, its successors, legal representatives, and assigns, that, at the time of execution and delivery of these presents, the Assignors are the sole and lawful owners of the entire right, title, and interest in and to the inventions set forth in said applications and said applications, including provisional applications, above-mentioned, and that the same are unencumbered, and that the Assignors have good and full right and lawful authority to sell and convey the same in the manner herein set forth;

AND for the same consideration, the Assignors hereby covenant and agree to and with the Assignee, its successors, legal representatives, and assigns that the Assignors will, whenever counsel of the Assignee, or the counsel of its successors, legal representatives, and assigns, shall advise that any proceeding in connection with said inventions or said applications for Letters Patent or Patents, or any proceeding in connection with Letters Patent or Patents for said inventions in any country, including interference proceedings, is lawful and desirable, or that any application claiming priority to said application, division, continuation, or continuation-in-part of any applications for Letters Patent or Patents, or any reissue or extension of any Letters Patent or Patents to be obtained thereon, is lawful and desirable, sign all papers and documents, take all lawful oaths, and do all acts necessary or required to be done for the procurement, maintenance, enforcement, and defense of Letters Patent or Patents for said inventions, without charge to the Assignee, its successors, legal representatives, and assigns, but at the cost and expense of the Assignee, its successors, legal representatives, and assigns;

AND the Assignors hereby authorize and request the attorneys of White, Redway & Brown L.L.P. to insert in the spaces provided above the title of the invention, filing date, application number, and attorney's docket number of said application when known.

APR. 11. 2006 8:28AM VOLVO POWERTRAIN-HAG

NO. 080 P. 4

Application No. PCT/US2006/014053
Attorney's Docket No. 000009-032

AND the Assignors hereby request the Commissioner of Patents to issue any and all said Letters Patent of the United States to the Assignee as the Assignee of said inventions, the Letters Patent to be issued for the sole use and behoof of the Assignee, its successors, legal representatives, and assigns.


DATE 4/10/2006 Anthony D Greszler
Anthony Greszler

DATE _____
Andreas Hinz

13. Apr. 2006 9:52 ENGINE DEVELOPMENT +46 31 665520 Nr. 0884 S. 1

Application No. PCT/US 2006/014053
Attorney's Docket No. 000009-032

AND the Assignors hereby request the Commissioner of Patents to issue any and all said Letters Patent of the United States to the Assignee as the Assignee of said inventions, the Letters Patent to be issued for the sole use and behoof of the Assignee, its successors, legal representatives, and assigns.

DATE _____
Anthony Greszler
DATE 2006 04 13 
Andreas Hinz