

PATENT ASSIGNMENT

Electronic Version v1.1

Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
Jeffrey M. Girbach	03/02/2009
RECEIVING PARTY DATA	
Name:	Detroit Diesel Corporation
Street Address:	13400 Outer Drive West
City:	Detroit
State/Country:	MICHIGAN
Postal Code:	48239
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	12399507
CORRESPONDENCE DATA	
Fax Number:	(248)594-0160
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>	
Email:	vlw@raderfishman.com
Correspondent Name:	Bill C. Panagos
Address Line 1:	39533 Woodward Avenue, Suite 140
Address Line 4:	Bloomfield Hills, MICHIGAN 48304
ATTORNEY DOCKET NUMBER:	66578-0166
NAME OF SUBMITTER:	Bill C. Panagos
Total Attachments: 5 source=r0601542#page1.tif source=r0601542#page2.tif source=r0601542#page3.tif source=r0601542#page4.tif source=r0601542#page5.tif	

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PATENT
REEL: 022359 FRAME: 0249

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):

Jeffrey M. Girbach

Additional name(s) of conveying party(ies) attached? ☐ Yes ☒ No

2. Name and address of receiving party(ies)

Name: Detroit Diesel Corporation

Internal Address: _____

Street Address: _____

13400 Outer Drive West

City: Detroit

State: Michigan

Country: United States of America Zip: _____

Additional name(s) & address(es) attached? ☐ Yes ☒ No

3. Nature of conveyance/Execution Date(s):

Execution Date(s): March 2, 2009

☒ Assignment ☐ Merger ☐ Change of Name

☐ Security Agreement ☐ Joint Research Agreement

☐ Government Interest Assignment

☐ Executive Order 9424, Confirmatory License

☐ Other _____

4. Application or patent number(s):

A. Patent Application No.(s)

12/399,507

☐ 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: Bill C. Panagos
RADER, FISHMAN & GRAUER PLLC

Internal Address: Atty. Dkt.: 66578-0166

Street Address: 39533 Woodward Avenue
Suite 140

City: Bloomfield Hills

State: MI Zip: 48304

Phone Number: (248) 594-0600

Fax Number: (248) 594-0610

Email Address: bcp@raderfishman.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 to deposit account

☐ Enclosed

☐ None required (government interest not affecting title)

8. Payment Information

Deposit Account Number 18-0013

Authorized User Name Bill C. Panagos

9. Signature:

/Bill C. Panagos/

Signature

March 6, 2009

Date

Bill C. Panagos - 31,050

Name of Person Signing

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

ASSIGNMENT BY INVENTOR

THIS ASSIGNMENT, made this 2nd day of MARCH, 2009, by Jeffrey M. Girbach (hereinafter referred to as Assignor), residing at 21511 Birchwood, Farmington, Michigan 48336;

WHEREAS, Assignor has invented certain new and useful improvements in METHOD FOR THREE ZONE DIESEL OXIDATION CATALYST LIGHT OFF CONTROL SYSTEM, set forth in a Patent application for Letters Patent of the United States, already filed on March 6, 2009 as U.S. Application No. 12/399,507 Not Yet Assigned; and

WHEREAS, Detroit Diesel Corporation, a Corporation organized under and pursuant to the laws of Delaware having its principal place of business at 13400 Outer Drive West (hereinafter referred to as Assignee), is desirous of acquiring the entire right, title and interest in and to said inventions and said Application for Letters Patent of the United States, and in and to any Letters Patent of the United States to be obtained therefore and thereon.

NOW, THEREFORE, in consideration of One Dollar (\$1.00) and other good and sufficient consideration, the receipt of which is hereby acknowledged, Assignor has sold, assigned, transferred and set over, and by these presents does sell, assign, transfer and set over, unto Assignee, its successors, legal representatives and assigns, the entire right, title and interest in and to the above-mentioned inventions and application for Letters Patent, and in and to any and all direct and indirect divisions, continuations and continuations-in-part of said application, and any and all Letters Patent in the United States and all foreign countries which may be granted therefore and thereon, and reissues, reexaminations and extensions of said Letters Patent, and all rights under the International Convention for the Protection of Industrial Property, the same to be held and enjoyed by Assignee, for its own use and benefit and the use and benefit of its successors, legal representatives and assigns, to the full end of the term or terms for which Letters Patent may be granted and/or extended, as fully and entirely as the same would have been held and enjoyed by Assignor, had this sale and assignment not been made.

AND for the same consideration, Assignor hereby represents and warrants to Assignee, its successors, legal representatives and assigns, that, at the time of execution and

delivery of these presents, except for any rights, titles and/or interests that have arisen to Assignee under law or that have already been transferred to Assignee, Assignor is the sole and lawful owner of the entire right, title and interest in and to the said inventions and application for Letters Patent above-mentioned, and that the same are unencumbered and that Assignor has good and full right and lawful authority to sell and convey the same in the manner herein set forth.

AND for the same consideration, Assignor hereby covenants and agrees to and with Assignee, its successors, legal representatives and assigns, that Assignor will 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 any Letters Patent and applications for Letters Patent for said inventions, without charge to Assignee, its successors, legal representatives and assigns, whenever counsel of Assignee, or counsel of its successors, legal representatives and assigns, shall advise: that any proceeding in connection with said inventions, or said Patent application for Letters Patent, or any proceeding in connection with any Letters Patent or applications for Letters Patent for said inventions in any country, including but not limited to interference proceedings, is lawful and desirable; or, that any division, continuation or continuation-in-part of any application for Letters Patent, or any reissue, reexamination or extension of any Letters Patent, to be obtained thereon, is lawful and desirable.

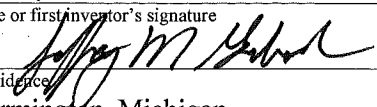
AND Assignor hereby requests the Commissioner of Patent and Trademarks to issue said Letters Patent of the United States to Assignee, as Assignee of said inventions and the Letters Patent to be issued thereon, for the sole use and benefit of Assignee, its successors, legal representatives and assigns.

AND Assignor hereby grants the following individuals the power to insert on this Assignment any further identification which may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document:

RADER, FISHMAN & GRAUER PLLC

All practitioners at Customer Number 10291

AND Assignor acknowledges an obligation of assignment of this invention to Assignee at the time the invention was made.

Full name of sole or first inventor Jeffrey M. Girbach	
Sole or first inventor's signature 	Date March 2, 2009
Residence Farmington, Michigan	
Citizenship US	
Mailing Address 21511 Birchwood Farmington, Michigan 48336	

Full name of second inventor, if any	
Second inventor's signature	Date
Residence	
Citizenship	
Mailing Address	

Full name of third inventor, if any	
Third inventor's signature	Date
Residence	
Citizenship	
Mailing Address	

Full name of fourth inventor, if any	
Fourth inventor's signature	Date
Residence	
Citizenship	
Mailing Address	