

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>Frank S. Groer</td><td>01/28/2008</td></tr><tr><td>Tomislav I. Golub</td><td>08/24/2007</td></tr></tbody></table>	Name	Execution Date	Frank S. Groer	01/28/2008	Tomislav I. Golub	08/24/2007	
Name	Execution Date						
Frank S. Groer	01/28/2008						
Tomislav I. Golub	08/24/2007						
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							
<table border="1"><thead><tr><th>Property Type</th><th>Number</th></tr></thead><tbody><tr><td>Application Number:</td><td>11938967</td></tr></tbody></table>	Property Type	Number	Application Number:	11938967			
Property Type	Number						
Application Number:	11938967						
CORRESPONDENCE DATA							
Fax Number:	(248)594-0610						
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>							
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Email:	jas@raderfishman.com						
Correspondent Name:	RADER, FISHMAN & GRAUER PLLC						
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Address Line 4:	BLOOMFIELD HILLS, MICHIGAN 48304-0610						
ATTORNEY DOCKET NUMBER:	66578-0067						
NAME OF SUBMITTER:	Bill C. Panagos						
Total Attachments: 6 source=r0474693#page1.tif source=r0474693#page2.tif							

CH 11938967 \$40.00

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PATENT
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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):

Frank S. Groer (01/28/2008) and Tomislav I. Golub (08/24/2007)

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

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

Execution Date(s): in parentheses after inventor name

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

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: 48239-4001

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

4. Application or patent number(s):

A. Patent Application No.(s)
11/938,967

☐ 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.: 66578-0067

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

8. Payment Information

a. Credit Card Last 4 Numbers _____
Expiration Date _____

b. Deposit Account Number 18-0013
Authorized User Name Bill C. Panagos

9. Signature:

Bill C. Panagos
Signature

01/29/08
Date

Bill C. Panagos - 31,050
Name of Person Signing

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

Recordation Form Cover Sheet

I hereby certify that this paper (along with any paper referred to as being attached or enclosed) is being transmitted via the Office electronic filing system in accordance with § 1.6(a)(4), on the date shown below.

Dated: 01/29/08

Signature: Jennifer A. Strickland (Jennifer A. Strickland)

ASSIGNMENT BY INVENTORS

THIS ASSIGNMENT, made this 24th day of AUGUST, 2007, by Frank S. Groer and Tomislav I. Golub (hereinafter referred to as Assignors), residing at SOLPERINOWEG 20B, APPI 70, STUTTGART 70565, GERMANY; and 1966 Croft Road, Birmingham, Michigan 48009, respectively;

WHEREAS, Assignors have invented certain new and useful improvements in FAULT CODE MEMORY MANAGER ARCHITECTURE CONCEPT CONSISTING OF A DEDICATED MONITORING UNIT MODULE AND A FAULT MEMORY MANAGER ADMINISTRATOR MODULE FOR HEAVY DUTY DIESEL ENGINE, set forth in a Patent application for Letters Patent of the United States, filed herewith; and

WHEREAS, Detroit Diesel Corporation, a Corporation having its principal place of business at 13400 Outer Drive West, Detroit, Michigan 48239-4001 (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, Assignors have sold, assigned, transferred and set over, and by these presents do 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 Assignors, had this sale and assignment not been made.

AND for the same consideration, Assignors hereby represent and warrant 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, Assignors are the sole and lawful owners 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 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, Assignors hereby covenant and agree to and with Assignee, its successors, legal representatives and assigns, that Assignors 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 Assignors hereby request 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 Assignors hereby grant 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 Assignors acknowledge an obligation of assignment of this invention to Assignee at the time the invention was made.

Tomislav I. Golub
Tomislav I. Golub

Date: 24 AUG 2007

United States of America)
State of MICHIGAN) ss.:
County of Wayne)

On this 24th day of August, 2007, before me
personally came Tomislav I. Golub, to me known to be the individual
described in and who executed the foregoing instrument, and acknowledged execution
of the same.

Margaret Johnson
Notary Public

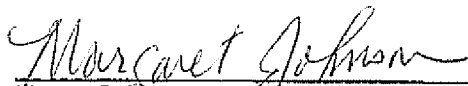
MARGARET JOHNSON
Notary Public, State of Michigan
County of Oakland
My Commission Expires Sep. 21, 2012
Acting in the County of Wayne

x 
 Frank S. Groer

Date: x 01/28/08

United States of America)
 State of Michigan) ss.:
 County of Wayne)

On this 28th day of JANUARY, 2008, before me
 personally came Frank S. Groer, to me known to be the individual
 described in and who executed the foregoing instrument, and acknowledged execution
 of the same.


 Notary Public MARGARET JOHNSON
 Notary Public, State of Michigan
 County of Oakland
 My Commission Expires Sep. 21, 2012
 Acting in the County of Wayne