

**PATENT ASSIGNMENT**

Electronic Version v1.1  
 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
Mark A. Zurawski	03/13/2008
David J. Dronzkowski	03/23/2008
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:	12053094
CORRESPONDENCE DATA	
Fax Number:	(248)594-0610
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>	
Phone:	248-594-0600
Email:	jas@raderfishman.com
Correspondent Name:	Rader, Fishman & Grauer, PLLC.
Address Line 1:	39533 Woodward Ave., Ste. 140
Address Line 2:	Attn: Bill C. Panagos
Address Line 4:	Bloomfield Hills, MICHIGAN 48304
ATTORNEY DOCKET NUMBER:	66578-0168
NAME OF SUBMITTER:	Bill C. Panagos

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Total Attachments: 6  
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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.

<b>1. Name of conveying party(ies):</b> Mark A. Zurawski (03/13/2008) and David J. Dronzkowski (03/23/2008)  Additional name(s) of conveying party(ies) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<b>2. Name and address of receiving party(ies)</b> Name: <u>Detroit Diesel Corporation</u> Internal Address: _____ Street Address: _____  13400 Outer Drive West  City: <u>Detroit</u> State: <u>Michigan</u> Country: <u>United States of America</u> Zip: <u>48239-4001</u> Additional name(s) & address(es) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
<b>3. Nature of conveyance/Execution Date(s):</b> Execution Date(s): in parentheses after inventor name _____ <input checked="" type="checkbox"/> Assignment <input type="checkbox"/> Merger <input type="checkbox"/> Change of Name <input type="checkbox"/> Security Agreement <input type="checkbox"/> Joint Research Agreement <input type="checkbox"/> Government Interest Assignment <input type="checkbox"/> Executive Order 9424, Confirmatory License <input type="checkbox"/> Other _____	<b>4. Application or patent number(s):</b> <input type="checkbox"/> This document is being filed together with a new application. A. Patent Application No.(s) 12/053,094 B. Patent No.(s)  Additional numbers attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
<b>5. Name and address to whom correspondence concerning document should be mailed:</b> Name: <u>Bill C. Panagos</u> <u>RADER, FISHMAN &amp; GRAUER PLLC</u> Internal Address: <u>Atty. Dkt.: 66578-0168</u> Street Address: <u>39533 Woodward Avenue</u> <u>Suite 140</u>  City: <u>Bloomfield Hills</u> State: <u>MI</u> Zip: <u>48304</u> Phone Number: <u>(248) 594-0600</u> Fax Number: <u>(248) 594-0610</u> Email Address: <u>bcp@raderfishman.com</u>	<b>6. Total number of applications and patents involved:</b> <input type="text" value="1"/> <b>7. Total fee (37 CFR 1.21(h) &amp; 3.41)</b> \$ <u>40.00</u> <input type="checkbox"/> Authorized to be charged by credit card <input checked="" type="checkbox"/> Authorized to be charged to deposit account <input type="checkbox"/> Enclosed <input type="checkbox"/> None required (government interest not affecting title) <b>8. Payment Information</b> a. Credit Card Last 4 Numbers _____ Expiration Date _____ b. Deposit Account Number <u>18-0013</u> Authorized User Name <u>Bill C. Panagos</u>
<b>9. Signature:</b> <u>Bill C. Panagos</u> Signature <u>4/16/08</u> Date _____ Bill C. Panagos - 31,050 Name of Person Signing Total number of pages including cover sheet, attachments, and documents: <input type="text" value="6"/>	

**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: 4/16/08 Signature: Jennifer A. Strickland (Jennifer A. Strickland)

<b>Assignment</b>	
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: <u>4/16/08</u>	Signature:  (Jennifer A. Strickland)

**ASSIGNMENT BY INVENTORS**

**THIS ASSIGNMENT**, made this <sup>13<sup>th</sup></sup>23<sup>rd</sup> day of MARCH, 2008, by Mark A. Zurawski and David J. Dronzkowski (hereinafter referred to as Assignors), residing at 21300 Summerside Lane, Northville, Michigan 48167; and 3459 Gloucester Drive, Sterling Heights, Michigan 48310, respectively;

**WHEREAS**, Assignors have invented certain new and useful improvements in METHOD FOR DETERMINING NECESSITY OF MULTIPLE VANE CLEANING PROCEDURES, set forth in a Patent application for Letters Patent of the United States, filed herewith; 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, 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.

*David J. Dronzkowski*  
David J. Dronzkowski

Date: 3/23/08

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

On this 23<sup>rd</sup> day of MARCH, 2008, before me personally came David J. Dronzkowski, 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

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*Mark Zurawski*  
\_\_\_\_\_  
Mark A. Zurawski

Date: 3/13/08

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

On this 13<sup>th</sup> day of March, 2008, before me personally came Mark A. Zurawski, 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

Error! Unknown document property name.