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03-12-2009

U.S. DEPARTMENT OF COMMERCE  
United States Patent and Trademark Office



ET

To the Director of the U.S. Patent and Trademark Office, 103552134 documents or the new address(es) below.

**1. Name of conveying party(ies)**

DICKINSON, Hugh Thomas  
LAFFERTY, Clinton Lane  
CORE, Rayvonn Donnell

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

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

Execution Date(s) March 5, 2009

- 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: Volvo Trucks North America, Inc.

Internal Address: \_\_\_\_\_

Street Address: 7900 National Service Road

City: Greensboro

State: North Carolina

Country: US Zip: 27409

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

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

This document is being filed together with a new application.

A. Patent Application No.(s)

B. Patent No.(s)

Additional numbers attached?  Yes  No

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

Name: Volvo Corporate Patents

Internal Address: Mail Stop AP1-3/41

Street Address: 7825 National Service Road

City: Greensboro

State: North Carolina Zip: 27409

Phone Number: 336-393-2270

Fax Number: 336-393-3350

Email Address: martin.farrell@volvo.com

**6. Total number of applications and patents involved:** \_\_\_\_\_

**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 1113  
Expiration Date 09/2009

b. Deposit Account Number \_\_\_\_\_

Authorized User Name \_\_\_\_\_

**9. Signature:**

*Martin Farrell*

Signature

March 6, 2009  
Date

Martin Farrell

Name of Person Signing

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

3

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

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ASSIGNMENT

12/310753

THIS ASSIGNMENT, by Hugh Thomas DICKINSON; Clinton Lane LAFFERTY and Rayvonn Donnell CORE (hereinafter referred to collectively as the Assignor), witnesseth:

WHEREAS, said Assignor has invented certain new and useful improvements in a: **EXHAUST DIFFUSER FOR A VOCATIONAL TRUCK**, set forth in an application for Letters Patent of the United States corresponding to PCT International Application Serial No. PCT/US2006/048888 filed herewith claiming priority from United States Provisional application number 60/842,842 filed September 7, 2006.

WHEREAS, **Volvo Trucks North America, Inc.** a corporation duly organized under and pursuant to the laws of Delaware, and having a principal place of business at: 7900 National Service Road, Greensboro, North Carolina 27409, (hereinafter referred to as the Assignee) is desirous of acquiring the entire right, title and interest in to and under the said invention and the said application;

NOW, THEREFORE, in consideration of one Dollar (\$1.00 USD) and other good and sufficient considerations, the receipt of which is hereby acknowledged, said assignors has sold, assigned, transferred and set over, and by these presents does sell, assign, transfer and set over, unto said assignee, its successors, legal representatives and assigns, assignor's interest in the entire right, title and interest in and to the above-mentioned inventions, application for Letters Patent, and any and all Letters Patent or Patents in the United States of America and all foreign countries which may be granted therefor and thereon, and in and to any and all divisions, continuations, and continuations-in-part of said application, or reissues or 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 said 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 assignor, had this sale and assignment not been made.

AND for the same consideration, said assignor hereby covenants and agrees to and with said assignee, its successors, legal representatives and assigns, that, at the time of execution and delivery of these presents, said assignor is the lawful owners of the entire right, title and interest in and to said invention and the application for Letters Patent above mentioned, and that the same is unencumbered and that said 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, said assignor hereby covenants and agrees to and with said assignee, its successors, legal representatives and assigns, that said assignor will, whenever counsel of said assignee, or the counsel of its successors, legal representatives and assigns, shall advise that any proceeding in connection with said inventions, or said application for Letters Patent, or any proceeding in connection with Letters Patent for said inventions in any country, including interference proceedings, is lawful and desirable, or that any division, continuation or continuation-in-part of any application for Letters Patent, or any reissue or extension of any Letters Patent, 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 for said inventions, without charge to said assignee, its successors, legal representatives and assigns, but at the cost and expense of said assignee, its successors, legal representatives and assigns.

(Date) 3/5/09

(Signature)   
Hugh Thomas DICKINSON

(Date) \_\_\_\_\_

(Signature) \_\_\_\_\_  
Clinton Lane LAFFERTY

(Date) 3/5/09

(Signature)   
Rayvonn Donnell CORE

## ASSIGNMENT

THIS ASSIGNMENT, by Hugh Thomas DICKINSON; Clinton Lane LAFFERTY and Rayvonn Donnell CORE (hereinafter referred to collectively as the Assignor), witnesseth:

WHEREAS, said Assignor has invented certain new and useful improvements in a: **EXHAUST DIFFUSER FOR A VOCATIONAL TRUCK**, set forth in an application for Letters Patent of the United States corresponding to PCT International Application Serial No. PCT/US2006/048888 filed herewith claiming priority from United States Provisional application number 60/842,842 filed September 7, 2006.

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NOW, THEREFORE, in consideration of one Dollar (\$1.00 USD) and other good and sufficient considerations, the receipt of which is hereby acknowledged, said assignors has sold, assigned, transferred and set over, and by these presents does sell, assign, transfer and set over, unto said assignee, its successors, legal representatives and assigns, assignor's interest in the entire right, title and interest in and to the above-mentioned inventions, application for Letters Patent, and any and all Letters Patent or Patents in the United States of America and all foreign countries which may be granted therefor and thereon, and in and to any and all divisions, continuations, and continuations-in-part of said application, or reissues or 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 said 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 assignor, had this sale and assignment not been made.

AND for the same consideration, said assignor hereby covenants and agrees to and with said assignee, its successors, legal representatives and assigns, that, at the time of execution and delivery of these presents, said assignor is the lawful owners of the entire right, title and interest in and to said invention and the application for Letters Patent above mentioned, and that the same is unencumbered and that said 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, said assignor hereby covenants and agrees to and with said assignee, its successors, legal representatives and assigns, that said assignor will, whenever counsel of said assignee, or the counsel of its successors, legal representatives and assigns, shall advise that any proceeding in connection with said inventions, or said application for Letters Patent, or any proceeding in connection with Letters Patent for said inventions in any country, including interference proceedings, is lawful and desirable, or that any division, continuation or continuation-in-part of any application for Letters Patent, or any reissue or extension of any Letters Patent, 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 for said inventions, without charge to said assignee, its successors, legal representatives and assigns, but at the cost and expense of said assignee, its successors, legal representatives and assigns.

(Date) \_\_\_\_\_

(Signature) \_\_\_\_\_

(Date) 03-05-2009

(Signature) \_\_\_\_\_

Hugh Thomas DICKINSON

Clinton Lane LAFFERTY

(Date) \_\_\_\_\_

(Signature) \_\_\_\_\_

Rayvonn Donnell CORE

PATENT

RECORDED: 03/06/2009

REEL: 022397 FRAME: 0778