

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)

Michael J. Ruth
Michael J. Cunningham

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

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

Execution Date(s) January 8, 2007

- ☒ 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: Cummins Inc.

Internal Address: _____

Street Address: 500 Jackson Street

City: Columbus

State: Indiana

Country: U.S.A.

Zip: 47202

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

4. Application or patent number(s):

A. Patent Application No.(s)
11/636,184

☐ 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: John H. Allie

Internal Address: Krieg DeVault LLP

Street Address: One Indiana Square, Suite 2800

City: Indianapolis

State: Indiana Zip: 46204

Phone Number: (317) 238-6268

Fax Number: (317) 636-1507

Email Address: ipdocketing@kdlegal.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)

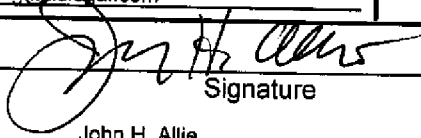
8. Payment Information

a. Credit Card Last 4 Numbers 1070
Expiration Date 04/10

b. Deposit Account Number _____

Authorized User Name _____

9. Signature:



Signature

John H. Allie

Name of Person Signing

JUNE 22, 2007
Date

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

OP \$40.00 11636184

KD_IM-8-02-12684-assignment

ASSIGNMENT

WHEREAS, Michael J. Ruth of 1591 North 125 West, Franklin, Indiana 46131; and Michael J. Cunningham of 1178 Vestman Court, Greenwood, Indiana 46143, hereinafter referred to as Assignors, have made one or more new and useful inventions in METHOD FOR MODIFYING TRIGGER LEVEL FOR ADSORBER REGENERATION for which Assignors have made or will make application for Letters Patent of the United States (hereinafter the "Application"); and

WHEREAS, Cummins, Inc., hereinafter referred to as Assignee, a corporation of the State of Indiana, having a principal place of business at 500 Jackson Street, Columbus, Indiana 47202, desires to acquire all of the entire right, title and interest in, to and under the one or more inventions disclosed, described and claimed or intended so to be in the Application, and in, to and under the Application, and in, to and under any and all Letters Patent, United States and foreign, which may be obtained therefore and thereon;

NOW, THEREFORE, to all whom it may concern, be it known that for and in consideration of the sum of One Dollar (\$1.00) and other good, valuable and sufficient considerations to Assignors in hand paid, the receipt of which is hereby acknowledged, Assignors have sold, assigned and transferred, and by these presents does sell, assign and transfer unto Assignee, all of the entire right, title, and interest in, to and under the one or more inventions disclosed, described and claimed or intended so to be in the Application entitled METHOD FOR MODIFYING TRIGGER LEVEL FOR ADSORBER REGENERATION, and any and all other applications thereon and arising therefrom, including any and all applications claiming the benefit thereof, and any and all divisions,

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continuations, and continuations-in-part thereof, and any and all patents to be issued and obtained therefor and thereon, United States and foreign, including all reissues and extensions thereof.

Assignors acknowledge that the Application was executed concurrently herewith unless a different execution date is indicated in item (a) below. Assignors hereby authorize Assignee, its counsel, or its agents to fill-in some or all of the following list of information items (a) through (c) at the discretion of the Assignee, its counsel, or its agents:

- (a) Execution Date of the Application: December 8, 2006
- (b) Patent Office Number of the Application: 11/636,184
- (c) Filing Date of the Application: December 8, 2006

Assignors hereby authorize and request the Honorable Assistant Secretary and Commissioner for Patents and Trademarks to issue said Letters Patent to Assignee, its assigns and legal representatives.

Assignors agree to assign and execute any and all other papers necessary or desirable for the procurement of Letters Patent on said invention in this and all foreign countries for the use of Assignee.

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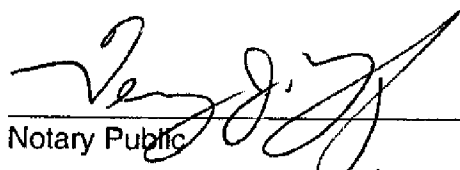
WITNESS Assignor's hand this 8th day of JANUARY, 2007.


Michael J. Ruth

STATE OF INDIANA)
COUNTY OF BARTOLOMEW) : SS

Before me, a Notary Public, in and for said County and State, personally appeared Michael J. Ruth, who, being first duly sworn upon his oath, acknowledged the execution of the foregoing "Assignment" as his voluntary act and deed.

WITNESS my hand and Notarial Seal this 8th day of JANUARY, 2007.


Notary Public

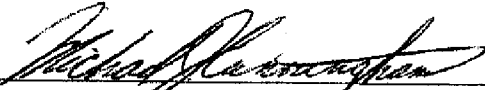
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Resident of JACKSON County

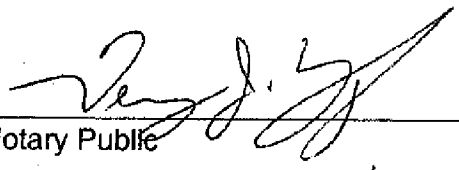
My Commission Expires:

18-APR-2012

KD_IM-8-02-12684-assignment

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Michael J. CunninghamSTATE OF INDIANA)
COUNTY OF BARTHOLOMEW) : SS

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