

FORM PTO-1595
HSM-L-20069.0067US01

RECORDATION FORM COVER SHEET
PATENTS ONLY

U.S. DEPARTMENT OF COMMERCE
Patent and Trademark Office

To the Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):

Yuetao ZHANG
Daniel D. WILHELM

2. Name and address of receiving party(ies):

Cummins Filtration IP, Inc.
1700 73rd Avenue NE
Minneapolis, MN 55432
US

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

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

3. Nature of conveyance:

- ☒ Assignment ☐ Merger
☐ Security Agreement ☐ Change of Name
☐ Other:

Execution Date: 4 June 2008

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

If this document is being filed together with a new application, the execution date of the application is:

A. Patent Application No.(s)

B. Patent No.(s)

12/138493

Additional numbers attached? ☐ Yes ☒ No

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

Name: Michael D. Schumann
Address: Hamre, Schumann, Mueller & Larson P.C.
P. O. Box 2902
Minneapolis, MN 55402-0902

6. Total number of applications and patents involved:

7. Total fee (37 CFR 3.41): \$40.00

- ☐ Enclosed
☒ Authorized to be charged to Deposit
Account No. 50-3478.

8. Please charge any additional fees or credit any overpayments to our Deposit account, number 50-3478

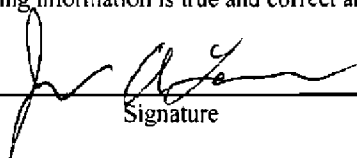
Statement and signature:

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9. To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

James A. Larson

Name of Person Signing


Signature

June 13, 2008

Date

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Mail documents to be recorded with required cover sheet information to:

Director of Patents and Trademarks
Assignment Recordation Services
P. O. Box 1450
Alexandria VA 22313-1450

Fax: 571-273-0140

52835

PATENT TRADEMARK OFFICE

CH \$40.00 503478 12138493

HSML - 20069.0067US01

ASSIGNMENT

WHEREAS, we, Yuetao Zhang, residing at 2345 Thornybrook Drive, Columbus, IN 47203, US, and Daniel D. Wilhelm, residing at 737 Creamer Dr., Nashville, IN 47448, US, made certain new and useful inventions and improvements for which we filed an application for Letters Patent of the United States on _____, application Serial No. _____ which is entitled METHODS OF INCREASING ACCURACY OF SOOT LOAD ESTIMATES.

AND WHEREAS, CUMMINS FILTRATION IP, INC., a corporation organized and existing under and by virtue of the laws of the State of Delaware, and having an office and place of business at 1400 73rd Avenue NE, Minneapolis, Minnesota 55432 (hereinafter "Assignee") is desirous of acquiring the entire right, title and interest in and to said inventions, improvements and application and in and to the Letters Patent to be obtained therefor;

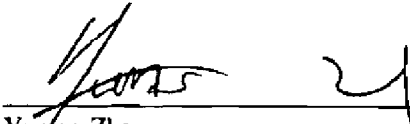
NOW THEREFORE, to all whom it may concern, be it known that for and in consideration of the sum of One Dollar and other good and valuable considerations, the receipt and sufficiency whereof is hereby acknowledged, we have sold, assigned, and transferred, and by these presents do sell, assign and transfer unto said Assignee, its successors or assigns, the entire right, title and interest for all countries in and to all inventions and improvements disclosed in the aforesaid application, and in and to the application, all divisions, continuations, or renewals thereof, all Letters Patent which may be granted therefrom, and all reissues or extensions of such patents, and in and to any and all applications which have been or shall be filed in any foreign countries for Letters Patent on the inventions and improvements, including an assignment of all rights under the provisions of the International Convention, and all Letters Patent of foreign countries which may be granted therefrom; and we do hereby authorize and request the Commissioner of Patents and Trademarks to issue any and all United States Letters Patent for the aforesaid inventions and improvements to the Assignee as the assignee of the entire right, title and interest in and to the same, for the use of the Assignee, its successors and assigns.

AND, for the consideration aforesaid, we do hereby agree that we and our executors and legal representatives will make, execute and deliver any and all other instruments in writing including any and all further application papers, affidavits, assignments and other documents, and will communicate to said Assignee, its successors and representatives all facts known to us relating to said improvements and the history thereof and will testify in all legal proceedings and generally do all things

which may be necessary or desirable more effectually to secure to and vest in said Assignee, its successors or assigns the entire right, title and interest in and to the improvements, inventions, applications, Letters Patent, rights, titles, benefits, privileges and advantages hereby sold, assigned and conveyed, or intended so to be.

AND, furthermore we covenant and agree with said Assignee, its successors and assigns, that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been made to others by us and that full right to convey the same as herein expressed is possessed by us.

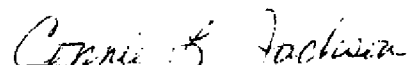
IN TESTIMONY WHEREOF, I have hereunto set my hand this 4th day of June, 2008.


Yuetao Zhang

STATE OF INDIANA)
COUNTY OF Bartholomew) ss.

On this 4th day of June, 2008, before me personally appeared Yuetao Zhang to me known and known to me to be the person described in and who executed the foregoing instrument, and he duly acknowledged to me that he executed the same for the uses and purposes therein set forth.

[SEAL]


Notary Public CARRIE L. JACKSON
My Commission expires March 4, 2009

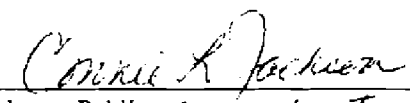
IN TESTIMONY WHEREOF, I have hereunto set my hand this 4 day of
June, 2008.


Daniel D. Wilhelm

STATE OF INDIANA)
COUNTY OF Bartholomew) ss.

On this 4th day of June, 2008, before me personally appeared Daniel D. Wilhelm to me known and known to me to be the person described in and who executed the foregoing instrument, and he duly acknowledged to me that he executed the same for the uses and purposes therein set forth.

[SEAL]


Notary Public Corrie L. Jackson
My commission expires March 4, 2009