

PATENT ASSIGNMENT

Electronic Version v1.1
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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
Vadiraj P. Kulkarni	07/20/2010
Matthew E. Leustek	07/20/2010
Sara K. Michels	07/20/2010
Rajesh N. Nair	07/20/2010
Michael A. Snopko	07/21/2010
Andrew A. Knitt	07/21/2010
RECEIVING PARTY DATA	
Name:	Caterpillar Inc.
Street Address:	100 NE Adams Street
City:	Peoria
State/Country:	ILLINOIS
Postal Code:	61629-9510
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	12841308
CORRESPONDENCE DATA	
Fax Number:	(309)675-1236
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>	
Phone:	309-675-5140
Email:	US_Docket_Clerk@cat.com
Correspondent Name:	CATERPILLAR c/o LIELL, MCNEIL & HARPER I
Address Line 1:	AH9510
Address Line 2:	100 N.E. Adams
Address Line 4:	Peoria, ILLINOIS 61629-9510
ATTORNEY DOCKET NUMBER:	09-484

OP \$40.00 12841308

501240138

**PATENT
 REEL: 024724 FRAME: 0692**

NAME OF SUBMITTER:

Jonathan F. Yates

Total Attachments: 6

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source=09-484-assign-Leustek#page1.tif

source=09-484-assign.Michels#page1.tif

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ASSIGNMENT

WHEREAS, Vadiraj P. Kulkarni, residing at Dunlap, Illinois, hereinafter referred to as ASSIGNOR has invented together with Matthew E. Leustek, Sara K. Michels, Rajesh N. Nair, Michael A. Snopko and Andrew A. Knitt a new and useful

ASH DETECTION IN DIESEL PARTICULATE FILTER

for which ASSIGNOR is about to file an international application and/or make application for Letters Patent in the United States of America, such invention being described and identified by said application having an attached International Application Request and/or an attached Declaration and Power of Attorney executed by ASSIGNOR on 7-20-10; and

WHEREAS, Caterpillar Inc., a Delaware corporation having a place of business at Peoria, State of Illinois, United States of America, hereinafter referred to as ASSIGNEE, is desirous of acquiring the entire right, title and interest in and to said invention and any Letters Patent granted thereon by the United States of America and any foreign country;

NOW, THEREFORE, in consideration of the sum of One Dollar (\$1.00) and for other good and valuable consideration received by ASSIGNOR from ASSIGNEE, the receipt of which is hereby acknowledged by ASSIGNOR;

1. ASSIGNOR hereby sells, assigns, transfers and conveys unto ASSIGNEE the entire right, title and interest in and to said invention, any application therefor, and any Letters Patent granted thereon by the United States of America and any foreign country, including any continuing application, reissue or extension thereof, together with the right to file applications and obtain patents for said invention in any foreign country, and covenant that ASSIGNOR has the full right to do so.

2. At the request and expense of ASSIGNEE, ASSIGNOR agrees to communicate to ASSIGNEE any facts known respecting said invention, to execute all papers necessary to file any application on said invention necessary or desirable to aid ASSIGNEE in obtaining and enforcing proper protection for said invention in the United States of America and any foreign country.

3. ASSIGNOR hereby authorizes and requests the COMMISSIONER OF PATENTS AND TRADEMARKS to issue the United States Letters Patent on said invention, when granted, to Caterpillar Inc.


4. This assignment shall inure to the benefit of ASSIGNEE, its successors, assigns and other legal representatives, and shall be binding upon ASSIGNOR, ASSIGNOR'S heirs and legal representatives.

IN TESTIMONY WHEREOF, ASSIGNOR has executed this instrument.


VADIRAJ P. KULKARNI

July 20 2010
Date

IN WITNESS OF the execution hereof by VADIRAJ P. KULKARNI we have hereunto set our hands.

 07/20/10
Witness (1) Date

Address: 2401 W. ALTA RD.

APT 1702

PEORIA, IL 61615

Matthew Leustek 7-20-10
Witness (2) Date

Address: 1309 Hickory St. IL

metamora IL 61548

ASSIGNMENT

WHEREAS, Matthew E. Leustek, residing at Metamora, Illinois, hereinafter referred to as ASSIGNOR has invented together with Sara K. Michels, Rajesh N. Nair, Michael A. Snopko, Andrew A. Knitt and Vadiraj P. Kulkarni a new and useful

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for which ASSIGNOR is about to file an international application and/or make application for Letters Patent in the United States of America, such invention being described and identified by said application having an attached International Application Request and/or an attached Declaration and Power of Attorney executed by ASSIGNOR on 7-20-10; and

WHEREAS, Caterpillar Inc., a Delaware corporation having a place of business at Peoria, State of Illinois, United States of America, hereinafter referred to as ASSIGNEE, is desirous of acquiring the entire right, title and interest in and to said invention and any Letters Patent granted thereon by the United States of America and any foreign country;

NOW, THEREFORE, in consideration of the sum of One Dollar (\$1.00) and for other good and valuable consideration received by ASSIGNOR from ASSIGNEE, the receipt of which is hereby acknowledged by ASSIGNOR;


1. ASSIGNOR hereby sells, assigns, transfers and conveys unto ASSIGNEE the entire right, title and interest in and to said invention, any application therefor, and any Letters Patent granted thereon by the United States of America and any foreign country, including any continuing application, reissue or extension thereof, together with the right to file applications and obtain patents for said invention in any foreign country, and covenant that ASSIGNOR has the full right to do so.

2. At the request and expense of ASSIGNEE, ASSIGNOR agrees to communicate to ASSIGNEE any facts known respecting said invention, to execute all papers necessary to file any application on said invention necessary or desirable to aid ASSIGNEE in obtaining and enforcing proper protection for said invention in the United States of America and any foreign country.

3. ASSIGNOR hereby authorizes and requests the COMMISSIONER OF PATENTS AND TRADEMARKS to issue the United States Letters Patent on said invention, when granted, to Caterpillar Inc.

4. This assignment shall inure to the benefit of ASSIGNEE, its successors, assigns and other legal representatives, and shall be binding upon ASSIGNOR, ASSIGNOR'S heirs and legal representatives.

IN TESTIMONY WHEREOF, ASSIGNOR has executed this instrument.


MATTHEW E. LEUSTEK

7-20-10
Date

IN WITNESS OF the execution hereof by MATTHEW E. LEUSTEK we have hereunto set our hands.

Sara Michels July 20, 2010
Witness (1) Date

Address: 310 Bittersweet
Metamora, IL 61548

VADIRAJ KULKARNI July 20 2010
Witness (2) Date

Address: 1700 W HICKORY GROVE RD
APT B-206, DUNLAP, IL-61525

ASSIGNMENT

WHEREAS, Sara K. Michels, residing at Metamora, Illinois, hereinafter referred to as ASSIGNOR has invented together with Rajesh N. Nair, Michael A. Snopko, Andrew A. Knitt, Vadiraj P. Kulkarni and Matthew E. Leustek a new and useful

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for which ASSIGNOR is about to file an international application and/or make application for Letters Patent in the United States of America, such invention being described and identified by said application having an attached International Application Request and/or an attached Declaration and Power of Attorney executed by ASSIGNOR on 7-20-10; and

WHEREAS, Caterpillar Inc., a Delaware corporation having a place of business at Peoria, State of Illinois, United States of America, hereinafter referred to as ASSIGNEE, is desirous of acquiring the entire right, title and interest in and to said invention and any Letters Patent granted thereon by the United States of America and any foreign country;

NOW, THEREFORE, in consideration of the sum of One Dollar (\$1.00) and for other good and valuable consideration received by ASSIGNOR from ASSIGNEE, the receipt of which is hereby acknowledged by ASSIGNOR;

1. ASSIGNOR hereby sells, assigns, transfers and conveys unto ASSIGNEE the entire right, title and interest in and to said invention, any application therefor, and any Letters Patent granted thereon by the United States of America and any foreign country, including any continuing application, reissue or extension thereof, together with the right to file applications and obtain patents for said invention in any foreign country, and covenant that ASSIGNOR has the full right to do so.

2. At the request and expense of ASSIGNEE, ASSIGNOR agrees to communicate to ASSIGNEE any facts known respecting said invention, to execute all papers necessary to file any application on said invention necessary or desirable to aid ASSIGNEE in obtaining and enforcing proper protection for said invention in the United States of America and any foreign country.

3. ASSIGNOR hereby authorizes and requests the COMMISSIONER OF PATENTS AND TRADEMARKS to issue the United States Letters Patent on said invention, when granted, to Caterpillar Inc.

4. This assignment shall inure to the benefit of ASSIGNEE, its successors, assigns and other legal representatives, and shall be binding upon ASSIGNOR, ASSIGNOR'S heirs and legal representatives.

IN TESTIMONY WHEREOF, ASSIGNOR has executed this instrument.

Sara Michels
SARA K. MICHELS

7-20-2010
Date

IN WITNESS OF the execution hereof by SARA K. MICHELS we have hereunto set our hands.

VADIRAJ KULKARNI
Witness (1) _____ Date _____
Address: 1700 W HICKORY GR RD
APT B-206 DUNLAP
IL- 61525

RAJESH N AIR
Witness (2) _____ Date _____
Address: 926 W LORECF, 626
PEORIA, IL- 61614

ASSIGNMENT

WHEREAS, Rajesh N. Nair, residing at Peoria, Illinois, hereinafter referred to as ASSIGNOR has invented together with Michael A. Snopko, Andrew A. Knitt, Vadiraj P. Kulkarni, Matthew E. Leustek and Sara K. Michels a new and useful

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for which ASSIGNOR is about to file an international application and/or make application for Letters Patent in the United States of America, such invention being described and identified by said application having an attached International Application Request and/or an attached Declaration and Power of Attorney executed by ASSIGNOR on 7-20-10; and

WHEREAS, Caterpillar Inc., a Delaware corporation having a place of business at Peoria, State of Illinois, United States of America, hereinafter referred to as ASSIGNEE, is desirous of acquiring the entire right, title and interest in and to said invention and any Letters Patent granted thereon by the United States of America and any foreign country;

NOW, THEREFORE, in consideration of the sum of One Dollar (\$1.00) and for other good and valuable consideration received by ASSIGNOR from ASSIGNEE, the receipt of which is hereby acknowledged by ASSIGNOR;


1. ASSIGNOR hereby sells, assigns, transfers and conveys unto ASSIGNEE the entire right, title and interest in and to said invention, any application therefor, and any Letters Patent granted thereon by the United States of America and any foreign country, including any continuing application, reissue or extension thereof, together with the right to file applications and obtain patents for said invention in any foreign country, and covenant that ASSIGNOR has the full right to do so.

2. At the request and expense of ASSIGNEE, ASSIGNOR agrees to communicate to ASSIGNEE any facts known respecting said invention, to execute all papers necessary to file any application on said invention necessary or desirable to aid ASSIGNEE in obtaining and enforcing proper protection for said invention in the United States of America and any foreign country.

3. ASSIGNOR hereby authorizes and requests the COMMISSIONER OF PATENTS AND TRADEMARKS to issue the United States Letters Patent on said invention, when granted, to Caterpillar Inc.

4. This assignment shall inure to the benefit of ASSIGNEE, its successors, assigns and other legal representatives, and shall be binding upon ASSIGNOR, ASSIGNOR'S heirs and legal representatives.

IN TESTIMONY WHEREOF, ASSIGNOR has executed this instrument.


RAJESH N. NAIR

07/20/10
Date

IN WITNESS OF the execution hereof by RAJESH N. NAIR we have hereunto set our hands.

Matthew Leustek 7-20-10
Witness (1) Date

Sara Michels 7-20-2010
Witness (2) Date

Address: 1309 Hickory Hill
Metamora, IL 61548

Address: 310 Bittersweet Ave
Metamora, IL 61548

ASSIGNMENT

WHEREAS, Michael A. Snopko, residing at Washington, Illinois, hereinafter referred to as ASSIGNOR has invented together with Andrew A. Knitt, Vadiraj P. Kulkarni, Matthew E. Leustek, Sara K. Michels and Rajesh N. Nair a new and useful

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for which ASSIGNOR is about to file an international application and/or make application for Letters Patent in the United States of America, such invention being described and identified by said application having an attached International Application Request and/or an attached Declaration and Power of Attorney executed by ASSIGNOR on 7-21-10; and

WHEREAS, Caterpillar Inc., a Delaware corporation having a place of business at Peoria, State of Illinois, United States of America, hereinafter referred to as ASSIGNEE, is desirous of acquiring the entire right, title and interest in and to said invention and any Letters Patent granted thereon by the United States of America and any foreign country;

NOW, THEREFORE, in consideration of the sum of One Dollar (\$1.00) and for other good and valuable consideration received by ASSIGNOR from ASSIGNEE, the receipt of which is hereby acknowledged by ASSIGNOR;

1. ASSIGNOR hereby sells, assigns, transfers and conveys unto ASSIGNEE the entire right, title and interest in and to said invention, any application therefor, and any Letters Patent granted thereon by the United States of America and any foreign country, including any continuing application, reissue or extension thereof, together with the right to file applications and obtain patents for said invention in any foreign country, and covenant that ASSIGNOR has the full right to do so.

2. At the request and expense of ASSIGNEE, ASSIGNOR agrees to communicate to ASSIGNEE any facts known respecting said invention, to execute all papers necessary to file any application on said invention necessary or desirable to aid ASSIGNEE in obtaining and enforcing proper protection for said invention in the United States of America and any foreign country.

3. ASSIGNOR hereby authorizes and requests the COMMISSIONER OF PATENTS AND TRADEMARKS to issue the United States Letters Patent on said invention, when granted, to Caterpillar Inc.

4. This assignment shall inure to the benefit of ASSIGNEE, its successors, assigns and other legal representatives, and shall be binding upon ASSIGNOR, ASSIGNOR'S heirs and legal representatives.

IN TESTIMONY WHEREOF, ASSIGNOR has executed this instrument.

Michael A. Snopko
MICHAEL A. SNOPKO

7-21-10
Date

IN WITNESS OF the execution hereof by MICHAEL A. SNOPKO we have hereunto set our hands.

Clad & Wilson 7/21/10
Witness (1) Date
Address: 5326 E. Campbell Ave
Chillicothe IL 61523

[Signature] 7/24/10
Witness (2) Date
Address: 824 W. Eleanor
Peoria IL 61604

ASSIGNMENT

WHEREAS, Andrew A. Knitt, residing at Deer Creek, Illinois, hereinafter referred to as ASSIGNOR has invented together with Vadiraj P. Kulkarni, Matthew E. Leustek, Sara K. Michels, Rajesh N. Nair and Michael A. Snopko a new and useful

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for which ASSIGNOR is about to file an international application and/or make application for Letters Patent in the United States of America, such invention being described and identified by said application having an attached International Application Request and/or an attached Declaration and Power of Attorney executed by ASSIGNOR on 7-21-10; and

WHEREAS, Caterpillar Inc., a Delaware corporation having a place of business at Peoria, State of Illinois, United States of America, hereinafter referred to as ASSIGNEE, is desirous of acquiring the entire right, title and interest in and to said invention and any Letters Patent granted thereon by the United States of America and any foreign country;

NOW, THEREFORE, in consideration of the sum of One Dollar (\$1.00) and for other good and valuable consideration received by ASSIGNOR from ASSIGNEE, the receipt of which is hereby acknowledged by ASSIGNOR;

1. ASSIGNOR hereby sells, assigns, transfers and conveys unto ASSIGNEE the entire right, title and interest in and to said invention, any application therefor, and any Letters Patent granted thereon by the United States of America and any foreign country, including any continuing application, reissue or extension thereof, together with the right to file applications and obtain patents for said invention in any foreign country, and covenant that ASSIGNOR has the full right to do so.

2. At the request and expense of ASSIGNEE, ASSIGNOR agrees to communicate to ASSIGNEE any facts known respecting said invention, to execute all papers necessary to file any application on said invention necessary or desirable to aid ASSIGNEE in obtaining and enforcing proper protection for said invention in the United States of America and any foreign country.

3. ASSIGNOR hereby authorizes and requests the COMMISSIONER OF PATENTS AND TRADEMARKS to issue the United States Letters Patent on said invention, when granted, to Caterpillar Inc.

4. This assignment shall inure to the benefit of ASSIGNEE, its successors, assigns and other legal representatives, and shall be binding upon ASSIGNOR, ASSIGNOR'S heirs and legal representatives.

IN TESTIMONY WHEREOF, ASSIGNOR has executed this instrument.




ANDREW A. KNITT


7/21/10

Date

IN WITNESS OF the execution hereof by ANDREW A. KNITT we have hereunto set our hands.



Witness (1) 7/21/10
Date
Address: 5326 E. CAMDEN AVE
Chillicothe IL 61523



Witness (2) 7/21/10
Date
Address: 1401 Kelsey St
Washington, IL 61571