

02-06-2008

FORM PTO-1595
1-31-92U.S. PTO
12/010488
01/25/2008

103479928

U.S. Department of Commerce
Patent and Trademark Office
Attorney Docket No. 08350.7695
Attorney Customer Number: 58,98To the Director of the U.S. Patent and Trademark Office
Please record the attached original documents or copy thereof.

Mail Stop Assignment Recordation Service

1. Name of conveying party(ies): a) Wade J. ROBEL b) James J. DRISCOLL c) Michael S. BOND d) David M. MILAM		2. Name and address of receiving party(ies): Name: Caterpillar Inc.	
Additional name(s) of conveying party(ies) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		Internal Address: Intellectual Property Department	
3. Nature of conveyance:		Street Address: 100 N.E. Adams Street	
<input checked="" type="checkbox"/> Assignment	<input type="checkbox"/> Merger	City: Peoria	
<input type="checkbox"/> Security Agreement	<input type="checkbox"/> Change of Name	State: IL	Zip Code: 61629-6490
<input type="checkbox"/> Other:		Additional name(s) & Address(es) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Execution Date: a) January 15, 2008 b) January 17, 2008 c) January 9, 2008 d) January 17, 2008			
Application number(s) or patent number(s): If this document is being filed together with a new application, the execution date of the application: a) January 15, 2008; b) January 17, 2008; c) January 9, 2008; January 17, 2008			
A. Patent Application Number(s): Additional numbers attached?		B. Patent Number(s): <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
4. Name and address of party to whom correspondence concerning document should be mailed: Name: Christopher P. Isaac		Total number of applications and registrations involved: 1	
Internal Address: FINNEGAN, HENDERSON, FARABOW, GARRETT & DUNNER, L.L.P.		5. Total fee (37 CFR 3.41): \$40 <input checked="" type="checkbox"/> Enclosed (Please charge deficiency to deposit account) <input type="checkbox"/> Authorized to be charged to deposit account	
Street Address: 901 New York Avenue, N.W.			
City: Washington, D.C.			
State: Zip: 20001		6. Deposit Account No. 06-0916	
7. Statement and signature. 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.			
Ryan C. Stockett, Reg. No. 53,642		01/28/2008 AXONDAF1 00000046 12010488 04 FC:0021 40.00 00 January 25, 2008	
Signature		Date	
Total number of pages including cover sheet, attachments and documents: 7			

PATENT
REEL: 020475 FRAME: 0802

ASSIGNMENT

WHEREAS I, the below named inventor, [hereinafter referred to as Assignor], have made an invention entitled:

EXHAUST REDUCTION SYSTEM HAVING OXYGEN AND TEMPERATURE CONTROL

for which I executed an application for United States Letters Patent concurrently herewith or filed an application for United States Letters Patent on () (Serial No.); and

WHEREAS, Caterpillar Inc., a corporation of Delaware whose post office address is Intellectual Property Department, 100 N.E. Adams Street, Peoria, IL 61629-6490 (hereinafter referred to as Assignee), is desirous of securing the entire right, title, and interest in and to this invention in all countries throughout the world, and in and to the application for United States Letters Patent on this invention and the Letters Patent to be issued upon this application;

NOW THEREFORE, be it known that for and in consideration of the sum of One Dollar (\$1.00) in hand paid and other good and valuable consideration the receipt of which from Assignee is hereby acknowledged, I, as Assignor, have sold, assigned, transferred, and set over, and do hereby sell, assign, transfer, and set over unto the Assignee, its lawful successors and assigns, my entire right, title, and interest in and to this invention, provisional application Serial No. , filed , and this application, and all divisions, and continuations thereof, and all Letters Patent of the United States which may be granted thereon, and all reissues thereof, and all rights to claim priority on the basis of the above provisional application, as well as all rights to claim priority on the basis of this application, and all applications for Letters Patent which may hereafter be filed for this invention in any foreign country and all Letters Patent which may be granted on this invention in any foreign country, and all extensions, renewals, and reissues thereof; and I hereby authorize and request the Commissioner of Patents and Trademarks of the United States and any official of any foreign country whose duty it is to issue patents on applications as described above, to issue all Letters Patent for this invention to Assignee, its successors and assigns, in accordance with the terms of this Assignment;

AND, I HEREBY covenant that I have the full right to convey the interest assigned by this Assignment, and I/We have not executed and will not execute any agreement in conflict with this Assignment;




AND, I HEREBY further covenant and agree that I/We will, without further consideration, communicate with Assignee, its successors and assigns, any facts known to me respecting this invention, and testify in any legal proceeding, sign all lawful papers when called upon to do so, execute and deliver any and all papers that may be necessary or desirable to perfect the title to this invention in said Assignee, its successors or assigns, execute all divisional, continuation, and reissue applications, make all rightful oaths and generally do everything possible to aid Assignee, its successors and assigns, to obtain and enforce proper patent protection for this invention in the United States and any foreign country, it being understood that any expense incident to the execution of such papers shall be borne by the Assignee, its successors and assigns.

IN TESTIMONY WHEREOF, I have hereunto set my hands.

1. FULL NAME OF SOLE OR FIRST ASSIGNOR Wade J. ROBEL	ASSIGNOR'S SIGNATURE	DATE
ADDRESS 3603 N. Highridge Drive, Peoria, IL 61614		CITIZENSHIP USA

Listing of Inventors Continued on Page 2 hereof ☒ Yes ☐ No

1. WITNESS NAME	WITNESS SIGNATURE	DATE
ADDRESS		CITIZENSHIP
2. WITNESS NAME	WITNESS SIGNATURE	DATE
ADDRESS		CITIZENSHIP

2. FULL NAME OF SECOND ASSIGNOR James J. DRISCOLL	ASSIGNOR'S SIGNATURE 	DATE 1/17/2008
ADDRESS 514 S. Kelly Court, Dunlap, IL 61525		CITIZENSHIP USA
1. WITNESS NAME Matthew Bohm	WITNESS SIGNATURE 	DATE 1/17/2008
ADDRESS 5305 W. Legion Hall Rd., Dunlap IL 61525		CITIZENSHIP USA
2. WITNESS NAME Praveen Channanavar	WITNESS SIGNATURE 	DATE 1/17/2008
ADDRESS 1700 W Hickory Grove Rd A104, Dunlap IL 61525		CITIZENSHIP India

Listing of Inventors Continued on Page 3 hereof ☒ Yes ☐ No

SOLE/JOINT INVENTION
(Worldwide Rights)
Attorney Docket No. 08350.7695
Client Ref. No. 07-695

3. FULL NAME OF THIRD ASSIGNOR Michael S. BOND		ASSIGNOR'S SIGNATURE	DATE
ADDRESS 13439 North Bridle Lane, Chillicothe, IL 61523		CITIZENSHIP USA	
1. WITNESS NAME		WITNESS SIGNATURE	DATE
ADDRESS		CITIZENSHIP	
2. WITNESS NAME		WITNESS SIGNATURE	DATE
ADDRESS		CITIZENSHIP	
4. FULL NAME OF FOURTH ASSIGNOR David M. MILAM		ASSIGNOR'S SIGNATURE <i>David M Milam</i>	DATE 11/17/08
ADDRESS 510 W. Copperfield Drive, Dunlap, IL 61525		CITIZENSHIP USA	
1. WITNESS NAME <i>Matthew Bohm</i>		WITNESS SIGNATURE <i>Matthew Bohm</i>	DATE 11/17/2008
ADDRESS 5305 W. Legion Hall Rd., Dunlap IL 61525		CITIZENSHIP USA	
2. WITNESS NAME <i>Praveen Chavannavar</i>		WITNESS SIGNATURE <i>P. Chavannavar</i>	DATE 11/17/2008
ADDRESS 1700 W Hickory Grove Rd A109, Dunlap IL 61525		CITIZENSHIP India	

ASSIGNMENT

WHEREAS I, the below named inventor, [hereinafter referred to as Assignor], have made an invention entitled:

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for which I executed an application for United States Letters Patent concurrently herewith or filed an application for United States Letters Patent on () (Serial No.); and

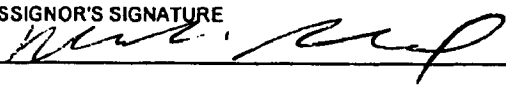
WHEREAS, Caterpillar Inc., a corporation of Delaware whose post office address is Intellectual Property Department, 100 N.E. Adams Street, Peoria, IL 61629-6490 (hereinafter referred to as Assignee), is desirous of securing the entire right, title, and interest in and to this invention in all countries throughout the world, and in and to the application for United States Letters Patent on this invention and the Letters Patent to be issued upon this application;

NOW THEREFORE, be it known that for and in consideration of the sum of One Dollar (\$1.00) in hand paid and other good and valuable consideration the receipt of which from Assignee is hereby acknowledged, I, as Assignor, have sold, assigned, transferred, and set over, and do hereby sell, assign, transfer, and set over unto the Assignee, its lawful successors and assigns, my entire right, title, and interest in and to this invention, provisional application Serial No. , filed , and this application, and all divisions, and continuations thereof, and all Letters Patent of the United States which may be granted thereon, and all reissues thereof, and all rights to claim priority on the basis of the above provisional application, as well as all rights to claim priority on the basis of this application, and all applications for Letters Patent which may hereafter be filed for this invention in any foreign country and all Letters Patent which may be granted on this invention in any foreign country, and all extensions, renewals, and reissues thereof; and I hereby authorize and request the Commissioner of Patents and Trademarks of the United States and any official of any foreign country whose duty it is to issue patents on applications as described above, to issue all Letters Patent for this invention to Assignee, its successors and assigns, in accordance with the terms of this Assignment;

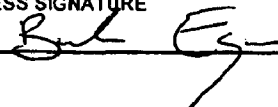
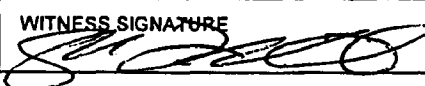
AND, I HEREBY covenant that I have the full right to convey the interest assigned by this Assignment, and I/We have not executed and will not execute any agreement in conflict with this Assignment;

AND, I HEREBY further covenant and agree that I/We will, without further consideration, communicate with Assignee, its successors and assigns, any facts known to me respecting this invention, and testify in any legal proceeding, sign all lawful papers when called upon to do so, execute and deliver any and all papers that may be necessary or desirable to perfect the title to this invention in said Assignee, its successors or assigns, execute all divisional, continuation, and reissue applications, make all rightful oaths and generally do everything possible to aid Assignee, its successors and assigns, to obtain and enforce proper patent protection for this invention in the United States and any foreign country, it being understood that any expense incident to the execution of such papers shall be borne by the Assignee, its successors and assigns.

IN TESTIMONY WHEREOF, I have hereunto set my hands.

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ADDRESS 3603 N. Highridge Drive, Peoria, IL 61614		CITIZENSHIP USA

Listing of Inventors Continued on Page 2 hereof ☒ Yes ☐ No

1. WITNESS NAME Brandon Egan	WITNESS SIGNATURE 	DATE Jan 15, 08
ADDRESS 1822 W Moss Ave Peoria, IL 61606		CITIZENSHIP United States
2. WITNESS NAME GLENN LUKSUK	WITNESS SIGNATURE 	DATE 01/15/08
ADDRESS 5300 W HAYMEADOW LN APT 3D PEORIA IL 61615		CITIZENSHIP US

2. FULL NAME OF SECOND ASSIGNOR James J. DRISCOLL	ASSIGNOR'S SIGNATURE	DATE
ADDRESS 514 S. Kelly Court, Dunlap, IL 61525		CITIZENSHIP USA
1. WITNESS NAME	WITNESS SIGNATURE	DATE
ADDRESS		CITIZENSHIP
2. WITNESS NAME	WITNESS SIGNATURE	DATE
ADDRESS		CITIZENSHIP

Listing of Inventors Continued on Page 3 hereof ☒ Yes ☐ No

3. FULL NAME OF THIRD ASSIGNOR Michael S. BOND		ASSIGNOR'S SIGNATURE <i>Michael S. Bond</i>	DATE 1/9/08
ADDRESS 13439 North Bridle Lane, Chillicothe, IL 61523		CITIZENSHIP USA	
1. WITNESS NAME Jon Jackson		WITNESS SIGNATURE <i>Jon Jackson</i>	DATE 1/9/08
ADDRESS 5501 Brentmore St Edwardsville, IL 61528		CITIZENSHIP U.S.A.	
2. WITNESS NAME JACK HARRIN		WITNESS SIGNATURE <i>Jack Harrin</i>	DATE 1/9/08
ADDRESS 401 W. Armstrong Ave. Peoria, IL 61604		CITIZENSHIP USA	

4. FULL NAME OF FOURTH ASSIGNOR David M. MILAM		ASSIGNOR'S SIGNATURE	DATE
ADDRESS 510 W. Copperfield Drive, Dunlap, IL 61525		CITIZENSHIP USA	
1. WITNESS NAME		WITNESS SIGNATURE	DATE
ADDRESS		CITIZENSHIP	
2. WITNESS NAME		WITNESS SIGNATURE	DATE
ADDRESS		CITIZENSHIP	