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U.S. DEPARTMENT OF COMMERCE

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OMB No. 0651-0027 (exp. 6/30/2005)	5 O.S. Patent and Trademark Office	
Tab settings	Please record the attached original documents or copy thereof	
Name of conveying party(ies):	Name and address of receiving party(ies):	
Travis Barnes	Name:	
Scott Leman	Caterpillar Inc.	
Mike Lukich	Internal Address: 100 NE Adams	
	Peoria IL 61629-6490	
Additional name(s) of conveying party(ies) attached? Yes X No 3. Nature of conveyance: X Assignment Merger Security Agreement Change of Name Other	f-11-03	
07/29/2003		
Execution Date: 07/29/2003 07/29/2003		
0.7.257.2005	Additional name(s) & address(es) attached? Yes X No	
Application number(s) or patent number(s):		
If this document is being filed together with a new application	on, the execution date of the application is: 07/25/2003	
A. Patent Application No.(s)	B. Patent No.(s) (b/632 722	
Additional numbers attached? Yes X No		
Name and address of party to whom correspondence concerning document should be mailed:	6. Total number of applications and patents involved:	
	7. Total fee (37 CFR 3.41) \$ 40.00	
	Enclosed	
Steve D. Lundquist	X Authorized to be charged to deposit account	
Caterpillar Inc. Intellectual Property Department, AB6490	Adminized to be charged to deposit account	
100 N. E. Adams Street	2. Deposit consust numbers	
Peoria IL 61629-6490	8. Deposit account number:	
	03-1129	
DO NOT USE THIS SPACE		
9 Signature		
Steve D. Lundquist	Docket Number: 03-219 08/01/2003	
Name of Person Signing	Signature Date	
Total number of pages including cover	sheet, attachments, and documents: 03	
Mail documents to be recorded with cover sheet information to:		

Commissioner of Patents & Trademarks, Box Assignments Washington, D.C. 20231

08/12/2003 LMUELLER_00000242 031129

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PATENT REEL: 014368 FRAME: 0250

ASSIGNMENT

WHEREAS, TRAVIS BARNES, residing at Metamora, Illinois, hereinafter referred to ASSIGNOR has invented together with Scott Leman and Mike Lukich a new and useful

ON ENGINE TRIM FOR FUEL INJECTORS

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 July 25, 2003 ; 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.

July 29,2007 Date

IN TESTIMONY WHEREOF, ASSIGNOR has executed this instrument.

TRAVIS BARNES

IN WITNESS OF the execution hereof by TRA	VIS BARNES we have hereunto set our hands.
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Nauich A. Guldan 29 Jul 03 Witness (1) Address: 1221 Oak Leaf Ln	Witness (2) Date Address: 75/4 Thorncides Dr.
Washington 11 101571	Mapelton 1 61547

PATENT REEL: 014368 FRAME: 0251

ASSIGNMENT

WHEREAS, MIKE LUKICH, residing at Chillicothe, Illinois, hereinafter referred to ASSIGNOR has invented together with Travis Barnes and Scott Leman a new and useful

ON ENGINE TRIM FOR FUEL INJECTORS

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 <u>July 29, 2003</u>; 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.

Mike Lukuh	7/29/03
MIKE LUKICH	Date
IN WITNESS OF the execution hereof by MIKI	
David A. Duldan 29 Julo3	Surge Doublem 29Jol03 Witness (2) Address: 209ZA STEPHANIE CT
Witness (1) Date	Witness (2) Address: 2097A STERMANIE (7
Washington 11 W1571	CHILLICOTHE IL 61523

PATENT REEL: 014368 FRAME: 0252

ASSIGNMENT

WHEREAS, SCOTT LEMAN, residing at Eureka, Illinois, hereinafter referred to ASSIGNOR has invented together with Travis Barnes and Mike Lukich a new and useful

ON ENGINE TRIM FOR FUEL INJECTORS

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 <u>July 29, 2003</u>; 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.

Cott Temen	7-29-03
SCOTT LEMAN	Date
IN WITNESS OF the execution hereof by SCO	IT LEMAN we have hereunto set our hands.
Daniel A. Duldan 29 Julo 3	Stara 1. France 7/29/03
Witness (1) Date	Witness (2) Date
Address: 1221 Oak Leof lin	Address: 75/4 Thorny dge Dr
Washington 16 61571	Mapel ton, 11. 101547

PATENT RECORDED: 08/01/2003 REEL: 014368 FRAME: 0253