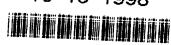
10-13-1998



U.S. DEPARTMENT OF COMMERCE Patent and Trademark Office



FORM PTO-1595

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To the Honorable Commissioner	/91 od the attached original ₽					
1. Name of conveying party(ies):	2. Name and address of receiving party(ies):					
Travis E. Barnes Michael S. Lukich	Name: <u>Caterpillar Inc.</u>					
Scott E. Nicholson	Internal Address: Intellectual Property Department					
Additional Names attached: [] Yes [X] No	Street Address: 100 N.E. Adams Street					
3. Nature of Conveyance:	City: <u>Peoria</u> State: <u>Illinois</u>					
[X] Assignment [] Security Agreement [] Other	Zip: <u>61629-6490</u>					
Execution Date(s): 09/22/98, 09/30/98, and 09/30/98	Additional name(s) & addresses attached? [] Yes [X] No					
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 09/22/98, 09/30/98, and 09/30/98.						
A. Patent Application No.(s) B. Patent No.(s)						
Additional numbers	s attached? [] Yes [X] No					
Title of Invention: DEVICE FOR CONTROLLING EXHAUST GAS RECIRCULATION IN AN INTERNAL COMBUSTION ENGINE						
Attorney Docket No.: 98-108						
5. Name and address of party to whom correspondence concerning document should be mailed:	6. Total number of applications and patents involved [1]					
Name: W. Bryan McPherson III CATERPILLAR INC.						
Internal Address: <u>Intellectual Property</u> Department	7. Total fee (37 CFR §3.41) \$ 40.00 [] Enclosed [X] Authorized to be charged to deposit account					
Street Address: 100 N. E. Adams Street						
City: <u>Peoria</u> State: <u>IL</u>	8. Deposit account number: 03-1129 (If charged duplicate copy attached)					
Zip: 61629-6490						
9. 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.						
200						
W. Bryan McPherson III Name of Person Signing W. Bryan McPherson III Signature Signature Date						
Total number of pages comprising cover sheet, attachments, and document: [3]						
Mail document to be recorded with required cover sheet information to:						
Commissioner of Patents and Trademarks Box Assignments						
Washington, D.C. 20231						

10/13/1996 TTUH11 _00000087 031129 09165774 01 FC:581 40.00 CH

> **PATENT REEL: 9495 FRAME: 0622**

ASSIGNMENT

WHEREAS, TRAVIS E. BARNES; MICHAEL S. LUKICH; and SCOTT E. NICHOLSON, residing respectively at Loveland, Colorado; Chillicothe, Illinois; and Metamora, Illinois, hereinafter referred to as ASSIGNORS, have invented a new and useful

DEVICE FOR CONTROLLING EXHAUST GAS RECIRCULATION IN AN INTERNAL COMBUSTION ENGINE

for which ASSIGNORS are 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 ASSIGNORS on

September 22, 199	98	September 30,	1998 ,	and
September 30, 199	98	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 ASSIGNORS from ASSIGNEE, the receipt of which is hereby acknowledged by ASSIGNORS;

- 1. ASSIGNORS hereby sell, assign, transfer and convey 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 ASSIGNORS have the full right to do so.
- 2. At the request and expense of ASSIGNEE, ASSIGNORS agree 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. ASSIGNORS hereby authorize and request 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 ASSIGNORS, ASSIGNORS' heirs and legal representatives.

PATENT REEL: 9495 FRAME: 0623 IN TESTIMONY WHEREOF, ASSIGNORS have executed this instrument.

Travis & Barnes	9/22/48 Date
TRAVIS E. BARNES	Date
IN WITNESS OF the execution hereof by $\underline{\mathbf{T}}$	RAVIS E. BARNES we have hereunto set
our hands.	
201 Millian 900.95	VIII. CA (A) (Col 2-9-72-98
9-22.95 Witness (1) (Date)	Witness (2) (Pata)
•	withess (2) (Date)
Address: 658 Edgle DC	Address: 658 Eagle Dr
Loveland Co 20537	Loveland, (0 80537
Mahail S Lubut MICHAEL S. LUKICH	9/30/98 Date
IN WITNESS OF the execution hereof by M	TCUART C LITETCH we have becounted set
our hands.	CONTRACT S. DURICE WE Have Hereunco se
our nands.	\mathcal{L}
Marla Hudson 9-30-98	Jim Maddock 9/30/92
Marla Hudson 9-30-98 Witness (1) (Date)	Witness (2) (Date)
211 1 4	201 V 11 17.
Address: 7150 N. Tema Vista	Address: 1201 Knollcost De
Peuria, In 61614	Washington, IL 61571
SCOTT E. NICHOLSON	9/30/98 Date
IN WITNESS OF the execution hereof by \underline{S} set our hands.	COTT E. NICHOLSON we have hereunto
8 n Sa 01 01/30/ac	busile 11 1 Casas
Dean R Sturlin 9/39/98 Witness (1) (Date)	<u>Marla Hudon 9-30-98</u> Witness (2) (Date)
witness (I) (Date)	withess (2) (Date)
Address: K.R. Box 164	Address: 1150 N. Terra Vista
McLeun IL 61754	Peolia, IR 6/6/4

RECORDED: 10/02/1998

PATENT REEL: 9495 FRAME: 0624