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FORM PT0-1595
1-31-92

08-23-1999



U.S. DEPARTMENT OF COMMERCE Patent and Trademark Office

To the Honorable Commissioner documents or copy thereof.	23071 d the attached original						
1. Name of conveying party(ies):	2. Name and address of receiving party(ies):						
William J. Rodier Haii Goudarz	Name: <u>Caterpillar Inc.</u>						
Additional Names attached: [] Yes [X] No	Internal Address: <u>Intellectual Property Department</u>						
	Street Address: 100 N.E. Adams Street						
3. Nature of Conveyance:	City: <u>Peoria</u> State: <u>Illinois</u>						
<pre>[X] Assignment [] Security Agreement [] Other</pre>	Zip: <u>61629-6490</u>						
Execution Date(s):	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 .							
A. Patent Application No.(s) 09 13735	A. Patent Application No.(s) 09 137351 3 B. Patent No.(s)						
Additional num	bers attached? [] Yes [X] No						
Title of Invention: LOW NOISE ELECTRONIC	ALLY ACTUATED OIL VALVE AND FUEL INJECTOR USING SAME						
Attorney Docket No.: 97-170							
Name and address of party to whom correspon- dence concerning document should be mailed:	6. Total number of applications and patents involved [1]						
Name: <u>Eric M. Bram</u> <u>CATERPILLAR INC.</u>	7 Total for (37 OFR 57 (4) - 0 (0.00)						
Internal Address: <u>Intellectual Property Dept.</u> Street Address: <u>100 N. E. Adams Street</u>	7. Total fee (37 CFR §3.41) \$ 40.00 [] Enclosed [X] Authorized to be charged to deposit account						
City: Peoria State: IL	8. Deposit account number: 03-1129						
Zip: 61629-6490	(If charged duplicate copy attached)						
9. Statement and signature:	•						
To the best of my knowledge and belief, the for attached copy is a true copy of the original of	pregoing information is true and correct and any document.						
	AIR						
Name of Person Signing	07/15/99 Signature Date						
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AII 00000026 031129 09373513 Washington, D.C. 20231							
							

ASSIGNMENT

WHEREAS, WILLIAM J. RODIER; and HAJI GOUDARZ, residing respectively at Metamora, Illinois; and Normal, Illinois, hereinafter referred to as ASSIGNORS, have invented a new and useful

LOW NOISE ELECTRONICALLY ACTUATED OIL VALVE AND FUEL INJECTOR USING SAME

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

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: 010173 FRAME: 0037

IN T	ESTIMONY	WHEREOF,	ASSIGNORS	have	executed	this	instrument
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WILLIAM J. RODIER	8-10-99 Date
IN WITNESS OF the execution hereof by WII our hands.	LLIAM J. RODIER we have hereunto set
8-10-99 Witness (1) (Date)	Sieg Weber 6-10-99 Witness (k) (Date)
Address: 833 N. GRAMT EL PASO, 16 61738	Address: 7/6 E Washington Pontiac IC 6/7/04
HAJI GOUDARZ	8-10-1999 Date
IN WITNESS OF the execution hereof by <u>HAC</u> hands.	JI GOUDARZ we have hereunto set our
Bradley W. Hanel 8/10/99 Witness (1) (Date)	Mwall Wiemben Witness (2) (Date)
NORMAL, IL 61761	Address: 123 E. South St. Dwigh, IL 60420