

05-26-1998



FORM PTO-1595
1-31-92

100718648
RECORDATION FORM COVER SHEET
PATENTS ONLY

U.S. DEPARTMENT OF COMMERCE
Patent and Trademark Office

To the Honorable Commissioner of Patents and Trademarks. Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):

Dana R. Coldren
Charles D. Ellenbecker
Ching W. Jaw

Additional Names attached: [] Yes [X] No

2. Name and address of receiving party(ies):

Name: Caterpillar Inc.

Internal Address:
Intellectual Property Department

Street Address:
100 N.E. Adams Street

City: Peoria State: Illinois

Zip: 61629-6490

Additional name(s) & addresses attached? [] Yes [X] No

3. Nature of Conveyance:

- Assignment
- Security Agreement
- Other

Execution Date(s): 02/20/98, 02/27/98, and 12/21/97

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 02/20/98, 02/27/98, and 12/21/97.

A. Patent Application No.(s)

B. Patent No.(s)

Additional numbers attached? [] Yes [X] No

Title of Invention: CARTRIDGE CONTROL VALVE WITH TOP MOUNTED SOLENOID AND FLAT VALVE SEAT FOR A FUEL INJECTOR

Attorney Docket No.: 95-512

5. Name and address of party to whom correspondence concerning document should be mailed:

Name: Larry G. Cain
CATERPILLAR INC.

Internal Address: Intellectual Property Department

Street Address: 100 N. E. Adams Street

City: Peoria State: IL

Zip: 61629-6490

6. Total number of applications and patents involved [1]

7. Total fee (37 CFR §3.41) \$ 40.00

- Enclosed
- Authorized to be charged to deposit account

8. Deposit account number: 03-1129
(If charged duplicate copy attached)

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.

Larry G. Cain
Name of Person Signing

Larry G. Cain
Signature

05/8/98
Date

Total number of pages comprising cover sheet, attachments, and document: [3]

Mail document to be recorded with required cover sheet information to:

05/22/1998 SSMITH 00000163 031129 09075899

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40.00 CH

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

10525 U.S. PTO
09/075899
05/11/98

PATENT

REEL: 9181 FRAME: 0341

ASSIGNMENT

WHEREAS, DANA R. COLDREN; CHARLES D. ELLENBECKER; and CHING W. JAW, residing respectively at Fairbury, Illinois; Manhattan, Kansas; and Phoenix, Arizona, hereinafter referred to as ASSIGNORS, have invented a new and useful

CARTRIDGE CONTROL VALVE WITH TOP MOUNTED SOLENOID AND FLAT VALVE SEAT FOR A FUEL INJECTOR

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

February 20, 1998 , February 27, 1998 , and
December 21, 1997 ; 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.

IN TESTIMONY WHEREOF, ASSIGNORS have executed this instrument.

Dana R. Coldren
DANA R. COLDREN

2/20/98
Date

IN WITNESS OF the execution hereof by DANA R. COLDREN we have hereunto set our hands.

[Signature]
Witness (1) (Date)

[Signature]
Witness (2) (Date)

Address: 2000 N. LINDEN AVE
NORMAL
IL 61761

Address: 2000 N. LINDEN AVE
NORMAL
IL 61761

Charles D. Ellenbecker
CHARLES D. ELLENBECKER

2/27/98
Date

IN WITNESS OF the execution hereof by CHARLES D. ELLENBECKER we have hereunto set our hands.

[Signature] 2/27/98
Witness (1) (Date)

[Signature] 2/27/98
Witness (2) (Date)

Address: 417 Greenbriar Dr
7
Normal IL 61761

Address: 2000 N. LINDEN AVE
NORMAL, IL 61761

Ching W. Jaw
CHING W. JAW

2/21/97
Date

IN WITNESS OF the execution hereof by CHING W. JAW we have hereunto set our hands.

[Signature] 2/21/97
Witness (1) (Date)

[Signature] 2/21/97
Witness (2) (Date)

Address: 821 E Mountain View Dr
Phoenix AZ 85045

Address: 13459 Rockland Rd
La Mirada, CA 90638