

09-07-1999



U.S. DEPARTMENT OF COMMERCE
Patent and Trademark Office

101137519

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

<p>1. Name of conveying party(ies):</p> <p>Benjamin H. Binkale David E. Martin Timothy J. Matzke Evan E. Jacobson</p> <p>Additional Names attached: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p>	<p>2. Name and address of receiving party(ies):</p> <p>Name: <u>Caterpillar Inc.</u></p> <p>Internal Address: <u>Intellectual Property Department</u></p> <p>Street Address: <u>100 N.E. Adams Street</u></p> <p>City: <u>Peoria</u> State: <u>Illinois</u></p> <p>Zip: <u>61629-6490</u></p> <p>Additional name(s) & addresses attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p>
<p>3. Nature of Conveyance:</p> <p><input checked="" type="checkbox"/> Assignment <input type="checkbox"/> Security Agreement <input type="checkbox"/> Other</p> <p>Execution Date(s):</p>	

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) B. Patent No.(s) 09/383877

Additional numbers attached? ☐ Yes ☒ No

Title of Invention: HYDRAULIC VALVE WITH HYDRAULICALLY ASSISTED OPENING AND FUEL INJECTOR USING SAME

Attorney Docket No.: 98-159

<p>5. Name and address of party to whom correspondence concerning document should be mailed:</p> <p>Name: <u>Eric M. Bram</u> <u>CATERPILLAR INC.</u></p> <p>Internal Address: <u>Intellectual Property Dept.</u></p> <p>Street Address: <u>100 N. E. Adams Street</u></p> <p>City: <u>Peoria</u> State: <u>IL</u></p> <p>Zip: <u>61629-6490</u></p>	<p>6. Total number of applications and patents involved [1]</p> <p>7. Total fee (37 CFR §3.41) \$ 40.00 <input type="checkbox"/> Enclosed <input checked="" type="checkbox"/> Authorized to be charged to deposit account</p> <p>8. Deposit account number: <u>03-1129</u> ✓ (If charged duplicate copy attached)</p>
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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.

Eric M. Bram [Signature] 07/12/99
Name of Person Signing Signature Date

Total number of pages comprising cover sheet, attachments, and document: [4]

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

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

09/02/1999 09:41:00
01 50:58.1

ASSIGNMENT

WHEREAS, BENJAMIN H. BINKELE; DAVID E. MARTIN; TIMOTHY J. MATZKE; and EVAN E. JACOBSON, residing respectively at Marquette Heights, Illinois; Normal, Illinois; El Paso, Illinois; and Lacon, Illinois, hereinafter referred to as ASSIGNORS, have invented a new and useful

HYDRAULIC VALVE WITH HYDRAULICALLY ASSISTED OPENING 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

_____,
_____, and _____; 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.

BENJAMIN H. BINKELE

Date

IN WITNESS OF the execution hereof by BENJAMIN H. BINKELE we have hereunto set our hands.

Witness (1) (Date)

Address: _____

Witness (2) (Date)

Address: _____

DAVID E. MARTIN

Date

IN WITNESS OF the execution hereof by DAVID E. MARTIN we have hereunto set our hands.

Witness (1) (Date)

Address: _____

Witness (2) (Date)

Address: _____

TIMOTHY J. MATZKE

Date

IN WITNESS OF the execution hereof by TIMOTHY J. MATZKE we have hereunto set our hands.

Witness (1) (Date)

Address: _____

Witness (2) (Date)

Address: _____

Evan E. Jacobson
EVAN E. JACOBSON

7-22-99
Date

IN WITNESS OF the execution hereof by EVAN E. JACOBSON we have hereunto set our hands.

Shirley A. Jacobson 7-22-99
Witness (1) (Date)

Address: 2203 W. Warwick Dr.
Peoria, IL 61614

Matthew R. Roth 7-22-99
Witness (2) (Date)

Address: 268 W. Forrest Dr.
Metamora, IL 61548

ASSIGNMENT

WHEREAS, BENJAMIN H. BINKELE; DAVID E. MARTIN; TIMOTHY J. MATZKE; and EVAN E. JACOBSON, residing respectively at Marquette Heights, Illinois; Normal, Illinois; El Paso, Illinois; and Lacon, Illinois, hereinafter referred to as ASSIGNORS, have invented a new and useful

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BENJAMIN H. BINKELE

Date

IN WITNESS OF the execution hereof by BENJAMIN H. BINKELE we have hereunto set our hands.

Witness (1) (Date)

Address: _____

Witness (2) (Date)

Address: _____

David E. Martin
DAVID E. MARTIN

7-19-99
Date

IN WITNESS OF the execution hereof by DAVID E. MARTIN we have hereunto set our hands.

Stephen M. Nide 7/19/99
Witness (1) (Date)

Address: 1316 W. Covington #4
Pearis IL 61614

Douglas E. Wilson 7/19/99
Witness (2) (Date)

Address: 709 Richard St
Henry, Illinois 61537

TIMOTHY J. MATZKE

Date

IN WITNESS OF the execution hereof by TIMOTHY J. MATZKE we have hereunto set our hands.

Witness (1) (Date)

Address: _____

Witness (2) (Date)

Address: _____

EVAN E. JACOBSON

Date

IN WITNESS OF the execution hereof by EVAN E. JACOBSON we have hereunto set
our hands.

Witness (1) (Date)

Witness (2) (Date)

Address: _____

Address: _____

ASSIGNMENT

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IN TESTIMONY WHEREOF, ASSIGNORS have executed this instrument.

Benjamin H. Binkele
BENJAMIN H. BINKELE

8-18-99
Date

IN WITNESS OF the execution hereof by BENJAMIN H. BINKELE we have hereunto set our hands.

Melvin M. [Signature] 8/19/99
Witness (1) (Date)

Address: 1150 NW 124th
Delphi In 46923

Maci Wette 8-19-99
Witness (2) (Date)

Address: 1200 Florence Ave Apt. 9F
Pekin, IL 61554

DAVID E. MARTIN

Date

IN WITNESS OF the execution hereof by DAVID E. MARTIN we have hereunto set our hands.

Witness (1) (Date)

Address: _____

Witness (2) (Date)

Address: _____

TIMOTHY J. MATZKE

Date

IN WITNESS OF the execution hereof by TIMOTHY J. MATZKE we have hereunto set our hands.

Witness (1) (Date)

Address: _____

Witness (2) (Date)

Address: _____

ASSIGNMENT

WHEREAS, BENJAMIN H. BINKELE; DAVID E. MARTIN; TIMOTHY J. MATZKE; and EVAN E. JACOBSON, residing respectively at Marquette Heights, Illinois; Normal, Illinois; El Paso, Illinois; and Lacon, Illinois, hereinafter referred to as ASSIGNORS, have invented a new and useful

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IN TESTIMONY WHEREOF, ASSIGNORS have executed this instrument.

BENJAMIN H. BINKELE

Date _____

IN WITNESS OF the execution hereof by BENJAMIN H. BINKELE we have hereunto set our hands.

Witness (1) (Date)

Witness (2) (Date)

Address: _____

Address: _____

DAVID E. MARTIN

Date _____


IN WITNESS OF the execution hereof by DAVID E. MARTIN we have hereunto set our hands.

Witness (1) (Date)

Witness (2) (Date)

Address: _____

Address: _____


TIMOTHY J. MATZKE

TIMOTHY J. MATZKE

7/27/99
Date

~~Date~~

IN WITNESS OF the execution hereof by TIMOTHY J. MATZKE we have hereunto set our hands.

Ann Marie Wolfe 7/27/99
Witness (1) (Date)

Witness (1) (Date)

Address:

8506 W Grange Hill Rd B

Edwards II 61578

Witness (2) Mark Epicuro 7/27/99 (Date)

Witness (2) (Date)

Address:

6807 N. Terra Vista Dr #304

PEORIA, IL 61614

EVAN E. JACOBSON

Date

IN WITNESS OF the execution hereof by EVAN E. JACOBSON we have hereunto set
our hands.

Witness (1) (Date)

Address: _____

Witness (2) (Date)

Address: _____

