

01-07-2000



FORM PTO-1595  
1-31-92

U.S. DEPARTMENT OF COMMERCE  
Patent and Trademark Office

**MED 12.16.99**

**101239031**  
PATENTS ONLY

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>Stephen P. Amborski John J. Krone Steven T. Ufheil</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) &amp; 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): <u>12/16/1999, 12/16/1999, and 12/15/1999</u></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>
<p>4. Application number(s) or patent number(s): <b>09/464573</b></p> <p>If this document is being filed together with a new application, the execution date of the application is <u>12/16/1999, 12/16/1999, and 12/15/1999.</u></p> <p>A. Patent Application No.(s) _____ B. Patent No.(s) _____</p> <p>Additional numbers attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p> <p>Title of Invention: <u>SYSTEM AND METHOD FOR INHIBITING SATURATION OF A HYDRAULIC VALVE ASSEMBLY</u></p> <p>Attorney Docket No.: <u>96-580</u></p>	
<p>5. Name and address of party to whom correspondence concerning document should be mailed:</p> <p>Name: <u>W. Bryan McPherson III</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>9. Statement and signature:</p> <p>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.</p> <p><u>W. Bryan McPherson III</u> <u>W. Bryan McPherson III</u> <u>12/16/1999</u> Name of Person Signing Signature Date</p> <p>Total number of pages comprising cover sheet, attachments, and document: [7]</p>	
<p>Mail document to be recorded with required cover sheet information to:</p> <p>01/05/2000 ASELLMAN 00000006 031129 09464573</p> <p>02 FC:561 <b>40.00 CH</b></p> <p>Commissioner of Patents and Trademarks Box Assignments Washington, D.C. 20231</p>	

jc564 U.S. PTO  
09/464573  
12/16/99

ASSIGNMENT

WHEREAS, STEPHEN P. AMBORSKI, residing at Asashi-shi, Myogo-ken, Japan, hereinafter referred to as ASSIGNOR, has invented together with John J. Krone and Steven T. Ufheil, a new and useful

**SYSTEM AND METHOD FOR INHIBITING SATURATION OF A HYDRAULIC VALVE ASSEMBLY**

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

December 16, 1999

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.

PATENT

REEL: 010469 FRAME: 0391

-2-

IN TESTIMONY WHEREOF, ASSIGNOR has executed this instrument.

*Stephen P. Amborski*  
STEPHEN P. AMBORSKI

12/16/99  
Date

IN WITNESS OF the execution hereof by STEPHEN P. AMBORSKI we have hereunto set our hands.

*Michael J. Fourni* 12/16/99  
Witness (1) (Date)

*Ronald P. Brown* 12/16/99  
Witness (2) (Date)

Address: 5-15-614 Koyo-cho Naka  
Higashinada-ku Kobe  
Japan 658-0032

Address: 5-15-1214 KOYO-CHO NAKA  
HIGASHINADA-KU, KOBE  
JAPAN 658-0032

ASSIGNMENT

WHEREAS, JOHN J. KRONE, residing at Dunlap, Illinois, hereinafter referred to as ASSIGNOR, has invented together with Stephen P. Amborski and Steven T. Ufheil, a new and useful

SYSTEM AND METHOD FOR INHIBITING SATURATION OF A HYDRAULIC VALVE ASSEMBLY

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

December 16, 1999 ,

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.

John J. Krone  
JOHN J. KRONE

12/16/99  
Date

IN WITNESS OF the execution hereof by JOHN J. KRONE we have hereunto set our hands.

Lobby Keller      12/16/99  
Witness (1)                      (Date)

Address: 126 Penetra  
East Peoria, IL 61611

Jill Ligon      12/16/99  
Witness (2)                      (Date)

Address: 1030 S. Main  
Merton, Ill 61550

ASSIGNMENT

WHEREAS, STEVEN T. UFHEIL, residing at Dunlap, Illinois, hereinafter referred to as ASSIGNOR, has invented together with Stephen P. Amborski and John J. Krone, a new and useful

SYSTEM AND METHOD FOR INHIBITING SATURATION OF A HYDRAULIC VALVE ASSEMBLY

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

December 15, 1999 ,

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.

Steven T. Ufheil  
STEVEN T. UFHEIL

15 Dec 99  
Date

IN WITNESS OF the execution hereof by STEVEN T. UFHEIL we have hereunto set our hands.

Pam Hoxeth      12-15-99  
Witness (1)                      (Date)

Address: 320 Dundee Rd.  
E. Peoria, IL  
61611

W. Bryan McPherson      12-15-99  
Witness (2)                      (Date)

Address: 610 S. Breckenridge  
Dundlap IL      61525