

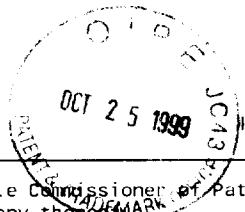
11-02-1999

DEPARTMENT OF COMMERCE
Patent and Trademark Office



101187949

MAD 10/25/99



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

<p>1. Name of conveying party(ies):</p> <p>Douglas W. Koehler Dennis J. Hausman</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): 09/20/99 and 09/28/99</p>	
<p>4. Application number(s) or patent number(s):</p> <p>If this document is being filed together with a new application, the execution date of the application is _____.</p> <p>A. Patent Application No.(s) <u>09/378,455</u>, filed: <u>August 20, 1999</u></p> <p>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 CALIBRATING A INDEPENDENT METERING VALVE</u></p> <p>Attorney Docket No.: <u>95-413.4</u></p>	
<p>5. Name and address of party to whom correspondence concerning document should be mailed:</p> <p>Name: <u>Calvin E. Glastetter</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>
<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>Calvin E. Glastetter</u> <u>Calvin E. Glastetter</u> <u>10/20/99</u> Name of Person Signing Signature Date</p> <p>Total number of pages comprising cover sheet, attachments, and document: [3]</p>	
<p>Mail document to be recorded with required cover sheet information to:</p> <p>Commissioner of Patents and Trademarks Box Assignments Washington, D.C. 20231</p>	

ASSIGNMENT

WHEREAS, DOUGLAS W. KOEHLER; and DENNIS J. HAUSMAN, residing respectively at Peoria, Illinois; and Willow Spring, North Carolina, hereinafter referred to as ASSIGNORS, have invented a new and useful

SYSTEM AND METHOD FOR CALIBRATING A INDEPENDENT METERING VALVE

for which ASSIGNORS have made application for Letters Patent in the United States of America, such invention being described and identified by said application identified as Application No. 09/378,455, filed August 20, 1999; 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.


DOUGLAS W. KOEHLER

9/20/99
Date

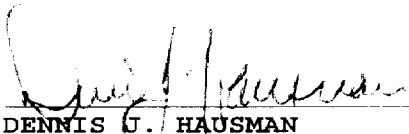
IN WITNESS OF the execution hereof by DOUGLAS W. KOEHLER we have hereunto set our hands.

Matthew F. Wandell 9/20/99
Witness (1) (Date)

Address: 1731 W GENEVA RD
PEORIA, IL
61615

Russel Johnson 9/20/99
Witness (2) (Date)

Address: 4010 N. Brandywine Dr. #1312
Peoria, IL 61614


DENNIS J. HAUSMAN

9/23/99
Date

IN WITNESS OF the execution hereof by DENNIS J. HAUSMAN we have hereunto set our hands.

Richard Miller 9/23/99
Witness (1) (Date)

Address: 2136 Davenport Ave
Raleigh, NC 27605

Willie Ann 28 Sep 99
Witness (2) (Date)

Address: 416 Cricketfield Ln
Cary, NC 27511