

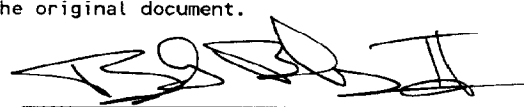
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FORM PTO-1595
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U.S. DEPARTMENT OF COMMERCE
Patent and Trademark OfficeJF135 U.S. PTO
09/159248
09/23/98

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>Kevin J. Carew Robert R. Sychra</p> <p>Additional Names attached: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p> <p>MAD 9.23.98</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): 08/28/98</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 <u>08/28/98</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: APPARATUS AND METHOD OF PROVIDING DIAGNOSTIC INFORMATION TO AN OPERATOR</p> <p>Attorney Docket No.: 98-211</p>	
<p>5. Name and address of party to whom correspondence concerning document should be mailed:</p> <p>Name: <u>Byron G. Buck II</u> <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>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 E <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>Byron G. Buck II</u>  <u>09/23/98</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>10/01/1998 JSWBAZZ 00000144 031129 09159248 01 FC:581 40.00 CH</p> <p>Commissioner of Patents and Trademarks Box Assignments Washington, D.C. 20231</p>	

PATENT
REEL: 9478 FRAME: 0612

ASSIGNMENT

WHEREAS, KEVIN J. CAREW; and ROBERT R. SYCHRA, residing respectively at Peoria, Illinois; and Washington, Illinois, hereinafter referred to as ASSIGNORS, have invented a new and useful

APPARATUS AND METHOD OF PROVIDING DIAGNOSTIC INFORMATION TO AN OPERATOR

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

August 28, 1998, and August 28, 1998; 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.

Kevin J. Carew
KEVIN J. CAREW

8/28/98
Date

IN WITNESS OF the execution hereof by KEVIN J. CAREW we have hereunto set our hands.

Timothy M. Giffels 8/28/98
Witness (1) (Date)

Address: 6919 N. St. Mary's Rd
Peoria, IL 61614

Timothy A. Gault 8/28/98
Witness (2) (Date)

Address: 17800 N. Potter
Edelstein, IL 61526

Robert R. Sychra
ROBERT R. SYCHRA

8-28-98
Date

IN WITNESS OF the execution hereof by ROBERT R. SYCHRA we have hereunto set our hands.

Timothy M. Giffels 8/28/98
Witness (1) (Date)

Address: 6919 N. St. Mary's Rd
Peoria, IL 61614

Timothy A. Gault 8/28/98
Witness (2) (Date)

Address: 17800 N. Potter
Edelstein, IL 61526