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**PATENT**  
**REEL: 012405 FRAME: 0702**

**Correspondent Name and Address**

Area Code and Telephone Number (309) 675-5140

Name Steven G. Kibby

Address (line 1) Caterpillar Inc.

Address (line 2) Intellectual Property Department

Address (line 3) 100 N. E. Adams Street

Address (line 4) Peoria, IL 61629-6490

**Pages**

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## Patent Application Number(s)


## Patent Number(s)


If this document is being filed together with a new Patent Application, enter the date the patent application was signed by the first named executing inventor.Month Day Year  
12/11/2001**Patent Cooperation Treaty (PCT)**Enter PCT application number  
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# 1

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Fee Amount for Properties Listed (37 CFR 3.41): \$ 40.00

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Steven G. Kibby

Name of Person Signing

Signature

12/13/2001

Date

## ASSIGNMENT

WHEREAS, Brett M. Bailey and Andrew H. Nippert, residing respectively at Peoria, Illinois and Peoria, Illinois, hereinafter referred to as ASSIGNORS, have invented a new and useful

### DIGITAL CONTROLLED FLUID TRANSLATING DEVICE

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 12/11/01 and 12/11/01; 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.

Brett M. Bailey  
BRETT M. BAILEY

12/11/01  
Date

IN WITNESS OF the execution hereof by BRETT M. BAILEY we have hereunto set our hands.

Diego Caceres 12/11/01  
Witness (1) Date

J.W. Burrows 12/11/01  
Witness (2) Date

Address: 4010 N. Brandywine Dr  
Apt. 1321  
Peoria, IL 61614

Address: 9525 N. PRINCEVILLE  
JUBILEE RD  
BRIMFIELD, IL 61517

Andrew H. Nippert  
ANDREW H. NIPPERT

12/11/01  
Date

IN WITNESS OF the execution hereof by ANDREW H. NIPPERT we have hereunto set our hands.

Paula E. Lukan 12/11/01  
Witness (1) Date

\_\_\_\_\_  
Witness (2) Date

Address: 525 S. BRECKENRIDGE DR  
DUNLAP, IL 61525  
\_\_\_\_\_

Address: \_\_\_\_\_  
\_\_\_\_\_  
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