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U.S. DEPARTMENT OF COMMERCE  
United States Patent and Trademark Office

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OMB No. 0651-0027 (exp. 6/30/2008)

3.21.07

### RECORDATION FORM COVER SHEET PATENTS ONLY

Docket No: 06-182

To the Director of the U.S. Patent and Trademark Office: Please record the attached documents or the new address(es) below.

**1. Name of conveying party(ies)**

Eric D. Stemler  
Lance M. Cowper  
Harold D. Dabbs  
Richard F. Shults

Additional name(s) of conveying party(ies) attached?  Yes  No

**2. Name and address of receiving party(ies)**

Caterpillar Inc.  
100 N.E. Adams Street  
Peoria IL 61629-6490  
USA

Additional name(s) & address(es) attached?  Yes  No

**3. Nature of conveyance/Execution Date(s):**

Execution Date(s) 02/12/2007

- Assignment 02/15/2007  Merger
- Security Agreement 02/09/2007  Change of Name
- Joint Research Agreement 03/05/2007
- Government Interest Assignment
- Executive Order 9424, Confirmatory License
- Other \_\_\_\_\_

**4. Application or patent number(s):**

This document is being filed together with a new application.

A. Patent Application No.(s)

B. Patent No.(s)

Additional numbers attached?  Yes  No

**5. Name and address to whom correspondence concerning document should be mailed:**

Name: Kevin C. Earle  
Internal Address: Caterpillar Inc.  
Intellectual Property Dept, AB6490  
Street Address: 100 N. E. Adams Street  
City: Peoria  
State: IL Zip: 61629-6490  
Phone Number: (309) 636-1977  
Fax Number: (309) 675-1236  
Email Address: \_\_\_\_\_

**6. Total number of applications and patents involved: 1**

**7. Total fee (37 CFR 1.21(h) & 3.41) \$40.00**

- Authorized to be charged by credit card
- Authorized to be charged to deposit account
- Enclosed
- None required (government interest not affecting title)

**8. Payment Information**

a. Credit Card Last 4 Numbers \_\_\_\_\_  
Expiration Date \_\_\_\_\_  
b. Deposit Account Number 03-1129  
Authorized User Name Kevin C. Earle

**9. Signature:**

March 21, 2007

Date

04/04/2007 DB/RNE 00000179 031129 1178631E

Signature

01 FC:8021

40-00 DA

Kevin C. Earle

Name of Person Signing

Total number of pages including cover sheet, attachments, and documents:

4

Documents to be recorded (including cover sheet) should be faxed to (571) 273-0140, or mailed to:  
Mail Stop Assignment Recordation Services, Director of the USPTO, P.O.Box 1450, Alexandria, V.A. 22313-1450



**ASSIGNMENT**

WHEREAS, ERIC D. STEMLER, residing at Peoria, Illinois, hereinafter referred to as ASSIGNOR has invented together with Lance M. Cowper, Harold D. Dabbs and Richard F. Shults a new and useful

**DIFFERENTIAL STEERING CONTROL FOR A CONTINUOUSLY VARIABLE TRANSMISSION MACHINE**

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 2/12/07; 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 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.

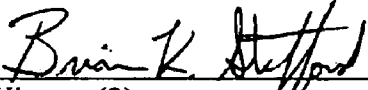
IN TESTIMONY WHEREOF, ASSIGNOR has executed this instrument.

  
\_\_\_\_\_  
ERIC D. STEMLER

2-12-07  
\_\_\_\_\_  
Date

IN WITNESS OF the execution hereof by ERIC D. STEMLER we have hereunto set our hands.

 2/12/2007  
\_\_\_\_\_  
Witness (1) Date  
Address: 3611 W. BRENWICK DR.  
PEORIA, IL 61614

 2/12/2007  
\_\_\_\_\_  
Witness (2) Date  
Address: 209 Madissyn Ct.  
East Peoria, IL 61611

ASSIGNMENT

WHEREAS, LANCE M. COWPER, residing at Toluca, Illinois, hereinafter referred to as ASSIGNOR has invented together with Eric D. Stemler, Harold D. Dabbs and Richard F. Shults a new and useful

DIFFERENTIAL STEERING CONTROL FOR A CONTINUOUSLY VARIABLE TRANSMISSION MACHINE

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 2/15/07; 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 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.

Lance M. Cowper  
LANCE M. COWPER

2/15/07  
Date

IN WITNESS OF the execution hereof by LANCE M. COWPER we have hereunto set our hands.

Pete E. Biele 2-15-07  
Witness (1) Date  
Address: 309 Old Germantown Rd.  
East Peoria, IL 61611

[Signature] 2/15/07  
Witness (2) Date  
Address: 200 LEXINGTON DR.  
EAST PEORIA, IL 61611

ASSIGNMENT

WHEREAS, RICHARD F. SHULTS, residing at Tremont, Illinois, hereinafter referred to as ASSIGNOR has invented together with Eric D. Stemler, Lance M. Cowper and Harold D. Dabbs a new and useful

**DIFFERENTIAL STEERING CONTROL FOR A CONTINUOUSLY VARIABLE TRANSMISSION MACHINE**

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 3/5/07; 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 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.

*Richard F. Shults*  
RICHARD F. SHULTS

3/5/07  
Date

IN WITNESS OF the execution hereof by RICHARD F. SHULTS we have hereunto set our hands.

*Daniel M. Watters II* 3-5-07  
Witness (1) Date  
Address: 20016 E Co 21 Hwy  
Canton IL 61520

*[Signature]* 3/5/07  
Witness (2) Date  
Address: 708 WESTMINSTER DR  
WASHINGTON, IL 61571