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Conveying Party(ies)
- Name (line 1): Hongliu Du
- Second Party
  - Name (line 1): Noah D. Manning
  - Name (line 2): 

Receiving Party
- Name (line 1): Caterpillar Inc.
- Name (line 2): Intellectual Property Department
- Address (line 1): 100 N.E. Adams Street
- Address (line 2): 
- Address (line 3): Peoria, Illinois 61629-6490

Domestic Representative Name and Address
- Name: 
- Address (line 1): 
- Address (line 2): 
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11-30-2000 101532309

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Correspondent Name and Address

Name
Steve D. Lundquist

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

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Steve D. Lundquist
Signature

Name of Person Signing

Date

10/26/2000
ASSIGNMENT

WHEREAS, NOAH D. MANRING, residing at Columbia, Missouri, hereinafter referred to as ASSIGNOR has invented together with Hongliu Du a new and useful APPARATUS AND METHOD FOR CONTROLLING A DISCHARGE PRESSURE OF A VARIABLE DISPLACEMENT HYDRAULIC PUMP

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 October 23, 2000; 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.

[Signature]
NOAH D. MANRING

[Signature] 10/23/00
Date

IN WITNESS OF the execution hereof by NOAH D. MANRING we have hereunto set our hands.

[Signature] 10/23/00
Date
Witness (1)

Name:
Address:

[Signature] 10/23/00
Date
Witness (2)

Name:
Address:

[Signature] 10/23/00
Date
Witness (3)

Name:
Address:

PATENT
REEL: 011273 FRAME: 0565
ASSIGNMENT

WHEREAS, HONGLIU DU, residing at Dunlap, Illinois, hereinafter referred to ASSIGNOR has invented together with Noah D. Manring a new and useful

APPARATUS AND METHOD FOR CONTROLLING A DISCHARGE PRESSURE OF A VARIABLE DISPLACEMENT HYDRAULIC PUMP

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 October 5, 2000; 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.

HONGLIU DU

Date 10/5/2000

IN WITNESS OF the execution hereof by HONGLIU DU we have hereunto set our hands.

Witness (1) Mark Harder 10/5/2000
Address: 1022 Hiawatha
Dunlap IL 61525

Witness (2) George W. Eber 10/6/00
Address: 2719 Grearbriar Ln.
Peoria, IL 61614

RECORDED: 11/26/2000

PATENT
REEL: 011273 FRAME: 0566