

12-02-1999

FORM PTO-1595
1-31-92U.S. DEPARTMENT OF COMMERCE
Patent and Trademark Office

101212887

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

1. Name of conveying party(ies):

Noah D. Manning
Lifei (NMI) YuAdditional Names attached: ☐ Yes ☒ No

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

Name: Caterpillar Inc.Internal Address:
Intellectual Property DepartmentStreet Address:
100 N.E. Adams StreetCity: Peoria State: IllinoisZip: 61629-6490

3. Nature of Conveyance:

☒ Assignment
☐ Security Agreement
☐ Other

Execution Date(s): 11/19/1999 and 11/18/1999

Additional name(s) & addresses
attached? ☐ Yes ☒ No

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

If this document is being filed together with a new application, the execution date of the application is 11/19/1999 and 11/18/1999.

A. Patent Application No.(s)

B. Patent No.(s)

09/444624

Additional numbers attached? ☐ Yes ☒ NoTitle of Invention: METHOD AND SYSTEM FOR ELECTROHYDRAULIC VALVE CONTROLAttorney Docket No.: 99-432

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

Name: Kevin M. Kercher
CATERPILLAR INC.Internal Address: Intellectual Property Dept.Street Address: 100 N. E. Adams StreetCity: Peoria State: ILZip: 61629-6490

6. Total number of applications and patents involved [1]

7. Total fee (37 CFR §3.41) \$ 40.00
☐ Enclosed
☒ Authorized to be charged to deposit account8. Deposit account number: 03-1129
(If charged duplicate copy attached)

9. Statement and signature:

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.

Kevin M. Kercher
Name of Person SigningKevin M. Kercher
Signature11/22/1999
Date

Total number of pages comprising cover sheet, attachments, and document: [3]

Mail document to be recorded with required cover sheet information to:

12/01/1999 JS:ADAZZ 00000063 011129 09444624
01 FC:581 40.00 CHCommissioner of Patents and Trademarks
Box Assignments
Washington, D.C. 20231PTO
09/444624
11/22/99PATENT
REEL: 010405 FRAME: 0054

ASSIGNMENT

WHEREAS, NOAH D. MANRING; and LIFEI (NMI) YU, residing respectively at Chillicothe, Illinois; and Dunlap, Illinois, hereinafter referred to as ASSIGNORS, have invented a new and useful

METHOD AND SYSTEM FOR ELECTROHYDRAULIC VALVE CONTROL

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

November 19, 1999 , and November 18, 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.

Noah D. Manring
NOAH D. MANRING

11/19/99
Date

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

[Signature]
Witness (1) (Date)

Address: 5711 W. RIVERVIEW DR

Peoria, IL 61615

11/15/99

Matthew C. Sull
Witness (2) (Date)

Address: 512 Sweetbriar Apt 8

Chillicothe, IL 61523

[Signature]
LIFEI (NMI) YU

Nov. 18, 99
Date

IN WITNESS OF the execution hereof by LIFEI (NMI) YU we have hereunto set our hands.

Maurice A. Francis 11/18/99
Witness (1) (Date)

Address: 362 Oakwood Cir

Washington, IL

61571

David Robertson 11/18/99
Witness (2) (Date)

Address: 5803 HARMENOW RD

PEORIA, IL 61615