

REC

08-19-2003



Tab settings → → → ▼ ▼ ▼ ▼ ▼ ▼

102528707

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

03916 U.S. PTO  
10/637452



1. Name of conveying party(ies): 8-8-03  
Scott F. Shafer  
Steven Tian  
Norval J. Wiemken  
Alan R. Stockner  
  
Additional name of conveying party(ies) attached?  Yes  No

2. Name and address of receiving party(ies)  
Name: Caterpillar, Inc. Patent Department  
Internal Address: \_\_\_\_\_  
\_\_\_\_\_

3. Nature of conveyance:  
 Assignment  Merger  
 Security Agreement  Change of Name  
 Other  
  
Execution Date: 7-31-03

Street Address: 100 NE Adams Street  
\_\_\_\_\_  
City: Peoria State: IL Zip: 61629  
  
Additional Name(s) & address(es) attached?  Yes  No

4. Application number(s) or patent number(s): 10637452  
  
If this document is being filed together with a new application, the execution data of the application is: 7-31-03  
A. Patent Application No.(s) \_\_\_\_\_  
B. Patent No.(s) \_\_\_\_\_  
  
Additional numbers attached?  Yes  No

6. Total number of applications and patents involved: 1  
  
7. Total fee (37 CFR 3.41) ..... \$ 40  
 Enclosed  
 Authorized to be charged to deposit account

5. Name and address of party to whom correspondence concerning this document should be mailed:  
Name: Michael B. McNeil  
Internal Address: Liell & McNeil Attorneys PC  
\_\_\_\_\_  
Street Address: P.O. Box 2417  
\_\_\_\_\_  
City: Bloomington State: IN Zip: 47402

8. Deposit account number:  
500226  
  
(Attach duplicate copy of this page if paying by deposit account)

DO NOT USE THIS SPACE

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.*  
Michael B. McNeil [Signature] 8-08-03  
Name of Person Signing Signature Date

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

**ASSIGNMENT**

WHEREAS, Scott F. Shafer, residing at Morton, Illinois, hereinafter referred to ASSIGNOR has invented together with Ye Tian, Norval J. Wiemken and Alan R. Stockner a new and useful

**HYDRAULIC FUEL INJECTION SYSTEM WITH INDEPENDENTLY OPERABLE DIRECT CONTROL NEEDLE VALVE**

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 \_\_\_\_\_; 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.

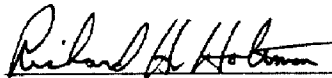
4. This assignment shall inure to the benefit of ASSIGNEE, its successors, assigns and other legal representatives, and shall be binding upon ASSIGNOR, ASSIGNOR'S heirs and legal representatives.

IN TESTIMONY WHEREOF, ASSIGNOR has executed this instrument.

  
\_\_\_\_\_  
SCOTT F. SHAFER

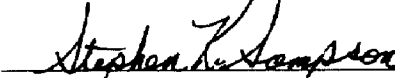
07-31-03  
\_\_\_\_\_  
Date.

IN WITNESS OF the execution hereof by SCOTT F. SHAFER we have hereunto set our hands.

  
\_\_\_\_\_  
Witness (1)                      Date

Address: 2030 W. Balsa Manor Rd

DUNLAP IL  
\_\_\_\_\_  
61525-9378

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

Address: 20 Stonehedges Ct.

Bloomington, IL  
\_\_\_\_\_  
61704

ASSIGNMENT

WHEREAS, Alan R. Stockner, residing at Metamora, Illinois, hereinafter referred to ASSIGNOR has invented together with Ye Tian, Norval J. Wiemken and Scott F. Shafer a new and useful

HYDRAULIC FUEL INJECTION SYSTEM WITH INDEPENDENTLY OPERABLE DIRECT CONTROL NEEDLE VALVE

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 \_\_\_\_\_; 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.

Alan R. Stockner  
ALAN R. STOCKNER

July 31, 2003  
Date

IN WITNESS OF the execution hereof by ALAN R. STOCKNER we have hereunto set our hands.

Min gahn dang 7-31-03  
Witness (1) Date  
Address: 2603 Interlocken Dr.  
Bloomington, IL 61704

John Schuman 31 July 2003  
Witness (2) Date  
Address: 1716 Rockingham Dr.  
Apt. A3  
Normal, IL 61761

**ASSIGNMENT**

WHEREAS, Norval J. Wiemken, residing at Dwight, Illinois, hereinafter referred to ASSIGNOR has invented together with Ye Tian, Scott F. Shafer and Alan R. Stockner a new and useful

**HYDRAULIC FUEL INJECTION SYSTEM WITH INDEPENDENTLY OPERABLE DIRECT CONTROL NEEDLE VALVE**

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 \_\_\_\_\_; 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.

Norval J. Wiemken  
NORVAL WIEMKEN

7-30-03  
Date

IN WITNESS OF the execution hereof by NORVAL WIEMKEN we have hereunto set our hands.

Alan R. Schuch 7/30/03  
Witness (1) Date  
Address: 2000 N. Linden St, Apt N321  
Normal, IL 61761

Jeffrey M. DePue 7/30/03  
Witness (2) Date  
Address: 55 Harmony Lane  
Romeoville IL 60446

**ASSIGNMENT**

WHEREAS, Ye Tian, residing at Bloomington, Illinois, hereinafter referred to ASSIGNOR has invented together with Scott F. Shafer, Norval J. Wiemken and Alan R. Stockner a new and useful

**HYDRAULIC FUEL INJECTION SYSTEM WITH INDEPENDENTLY OPERABLE DIRECT CONTROL NEEDLE VALVE**

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 \_\_\_\_\_; 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;

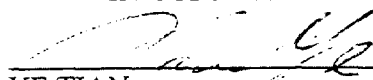
1. ASSIGNOR hereby sells, assigns, transfers and conveys unto ASSIGNEE the entire right, title and interest in and to said invention, any application therefor, and any Letters Patent granted thereon by the United States of America and any foreign country, including any continuing application, reissue 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.


  
YE TIAN

7/30/2003  
Date

IN WITNESS OF the execution hereof by YE TIAN we have hereunto set our hands.

 7/30/03  
Witness (1) Date

Address: 904 N Market St  
Gridley IL 61744

 30 July 2003  
Witness (2) Date

Address: 1716 Rockingham Dr.  
Apt. A3  
Normal, IL 61761