

7-31-03
Tab settings ⇨ ⇨ ⇨

102520930

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

1. Name of conveying party(ies):

Ye Tian
Norval J. Wiemken
Xinshuang Nan
Ronald D. Shinogle
Lifeng Wang
Chetan J. Desai
Jianyuan Yang

2. Name and address of receiving party(ies)

Name: Caterpillar, Inc. Patent Department

Internal Address: _____

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

3. Nature of conveyance:

- ☒ Assignment ☐ Merger
☐ Security Agreement ☐ Change of Name
☐ Other

Execution Date: 4-2-03

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):

If this document is being filed together with a new application, the execution date of the application is: 4-2-03

A. Patent Application No.(s)

B. Patent No.(s)

~~7-31-03~~ 10/631291Additional numbers attached? ☐ Yes ☐ No

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

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

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
Name of Person Signing

Signature

7-31-03
Date

ASSIGNMENT

WHEREAS, Chetan J. Desai, residing at Bloomington, Illinois, hereinafter referred to ASSIGNOR has invented together with Norval J. Wiemken, Xinshuang Nan, Ronald D. Shinogle, Lifeng Wang, Ye Tian and Jianyuan Yang a new and useful

VARIABLE CONTROL ORIFICE MEMBER AND FUEL INJECTOR USING SAME

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 3/26/2003; 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.

Chetan Desai
CHETAN J. DESAI

3/26/03
Date

IN WITNESS OF the execution hereof by CHETAN J. DESAI we have hereunto set our hands.

William E. Maser 03/26/03
Witness (1) Date
Address: _____

4802 N. Green Ct.
PEORIA, IL 61614

T. P. M. Sign 3-26-03
Witness (2) Date
Address: _____

1608 W. Timberdale Dr
Dundlap, TX 76152

ASSIGNMENT

WHEREAS, Ronald D. Shinogle, residing at Peoria, Illinois, hereinafter referred to as ASSIGNOR has invented together with Norval J. Wiemken, Xinshuang Nan, Ye Tian, Lifeng Wang, Chetan J. Desai and Jianyuan Yang a new and useful

VARIABLE CONTROL ORIFICE MEMBER AND FUEL INJECTOR USING SAME

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 3-27-03; 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.

Ronald D. Shinogle
RONALD D. SHINOGLER

3-27-03
Date

IN WITNESS OF the execution hereof by RONALD D. SHINOGLER we have hereunto set our hands.

William J. Roehm 3-27-03
Witness (1) Date
Address: 805 Holland Rd
Metamora IL 61548

David C. Marshall 3/27/03
Witness (2) Date
Address: 401 W. GROVE ST.
PONTIAC, IL 61764

ASSIGNMENT

WHEREAS, Jianyuan Yang, residing at Bloomington, Illinois, hereinafter referred to as ASSIGNOR has invented together with Norval J. Wiemken, Xinshuang Nan, Ronald D. Shinogle, Lifeng Wang, Chetan J. Desai and Ye Tian a new and useful

VARIABLE CONTROL ORIFICE MEMBER AND FUEL INJECTOR USING SAME

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 4-7-03; 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.

Jianyuan Yang
JIANYUAN YANG

April 7, 2003
Date

IN WITNESS OF the execution hereof by JIANYUAN YANG we have hereunto set our hands.

Witness (1) 4/7/03
Date
Address: 510 Woodgarden Terr.
Metamora IL 61548

Witness (2) 4/7/03
Date
Address: 1504 Kenneth Dr
Bloomington IL 61704

ASSIGNMENT

WHEREAS, Lifeng Wang, residing at Normal, Illinois, hereinafter referred to ASSIGNOR has invented together with Norval J. Wiemken, Xinshuang Nan, Ronald D. Shinogle, Ye Tian, Chetan J. Desai and Jianyuan Yang a new and useful

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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 4-2-03; 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.

Lifeng Wang 04/02/03
LIFENG WANG Date

IN WITNESS OF the execution hereof by LIFENG WANG we have hereunto set our hands.

John Salmon 2 Apr 2003 Zhuyi J. Wu
Witness (1) Date Witness (2) Date
Address: 1716 Rockingham St. Address: 701 S. West St. Apt. C3
Apt. A-3 Pontiac, IL 61764
Normal, IL 61761

ASSIGNMENT

WHEREAS, Ye Tian, residing at Bloomington, Illinois, hereinafter referred to ASSIGNOR has invented together with Norval J. Wiemken, Xinsuang Nan, Ronald D. Shinogle, Lifeng Wang, Chetan J. Desai and Jianyuan Yang a new and useful

VARIABLE CONTROL ORIFICE MEMBER AND FUEL INJECTOR USING SAME

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 4-2-03; 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.

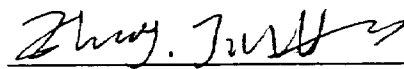
4. This assignment shall inure to the benefit of ASSIGNEE, its successors, assigns and other legal representatives, and shall be binding upon ASSIGNOR, ASSIGNOR'S heirs and legal representatives.

IN TESTIMONY WHEREOF, ASSIGNOR has executed this instrument.



YE TIAN

4/02/03
Date

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


Witness (1)
Address: 701 S. West St. Apt. C3
Pontiac, IL 61764

Date Apr. 03

 2 Apr 2002
Witness (2)
Address: 1716 Rockingham Dr.
Apt. A-3
Normal, IL 61761

Date

ASSIGNMENT

WHEREAS, Xinshuang Nan, residing at Bloomington, Illinois, hereinafter referred to ASSIGNOR has invented together with Norval J. Wiemken, Ye Tian, Ronald D. Shinogle, Lifeng Wang, Chetan J. Desai and Jianyuan Yang a new and useful

VARIABLE CONTROL ORIFICE MEMBER AND FUEL INJECTOR USING SAME

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 4-8-03; 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.

Nan Xinshuang
XINSHUANG NAN

Apr. 8, 2003
Date

IN WITNESS OF the execution hereof by XINSHUANG NAN we have hereunto set our hands.

VICTOR I. YACOB V.I. Y3 04-08-03
Witness (1) Date
Address: 303 S. JEFFERSON ST.
FLANAGAN IL 61740
U.S.A

MICHAEL R. HUFFMAN 4/8/03
Witness (2) Date
Address: 802C DEERFIELD RD.
PONTIAC, IL. 61764 USA

ASSIGNMENT

WHEREAS, Norval J. Wiemken, residing at Dwight, Illinois, hereinafter referred to as ASSIGNOR has invented together with Ye Tian, Xinshuang Nan, Ronald D. Shinogle, Lifeng Wang, Chetan J. Desai and Jianyuan Yang a new and useful

VARIABLE CONTROL ORIFICE MEMBER AND FUEL INJECTOR USING SAME

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 6-3-03; 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 J. WIEMKEN

6-3-03
Date

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

Joseph R. Schell 6-03-03
Witness (1) Date
Address:

304 Fremont St.
Towanda, IL 61776

Benjamin R. Towe 6-3-03
Witness (2) Date
Address:

2449 County Rd 800N
VARNA, IL 61375