

FORM PTO-1619A  
Expires 09/20/99  
OMB 0851-0027

08-13-2001

U.S. Department of Commerce  
Patent and Trademark Office  
**PATENT**

AUG 06 2001



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**PATENTS ONLY**

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**Submission Type**

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☐ Resubmission (Non-Recordation)  
Document ID#

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Reel #  Frame #

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Reel #  Frame #

**Conveyance Type**

☒ Assignment ☐ Security Agreement

☐ License ☐ Change of Name

☐ Merger ☐ Other

**U.S. Government**  
(For Use ONLY by U.S. Government Agencies)

☐ Departmental File ☐ Secret File

**Conveying Party(ies)**

☐ Mark if additional names of conveying parties attached

Execution Date  
Month Day Year  
5/25/01

Name (line 1) Dana R Coldren

Name (line 2)

**Second Party**

Execution Date  
Month Day Year  
7/9/01

Name (line 1) Charles D. Ellenbecker

Name (line 2)

**Receiving Party**

☐ Mark if additional names of receiving parties attached

☐ If document to be recorded is an assignment and the receiving party is not domiciled in the United States, an appointment of a domestic representative is attached. (Designation must be a separate document from Assignment.)

Name (line 1) Caterpillar, Inc., Patent Dept.

Name (line 2)

Address (line 1) 100 NE Adams Street

Address (line 2)

Address (line 3) Peoria

Illinois

61629

City

State/Country

Zip Code

**Domestic Representative Name and Address**

Enter for the first Receiving Party only.

Name

Address (line 1)

Address (line 2)

Address (line 3)

Address (line 4)

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08/10/2001 6TON11 00000175 09903332

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Mail documents to be recorded with required cover sheet(s) information to:  
Commissioner of Patents and Trademarks, Box Assignments, Washington, D.C. 20231

**PATENT**  
REEL: 012053 FRAME: 0623

**Correspondent Name and Address**

Area Code and Telephone Number

812-333-5355

Name Michael B. McNeil

Address (line 1) Liell & McNeil Attorneys PC

Address (line 2) P.O. Box 2417

Address (line 3) Bloomington, IN 47402

Address (line 4)

**Pages**

Enter the total number of pages of the attached conveyance document including any attachments.

#

**Application Number(s) or Patent Number(s)**

☐

Mark if additional numbers attached

Enter either the Patent Application Number or the Patent Number (DO NOT ENTER BOTH numbers for the same property).

Patent Application Number(s)

09/903/332

Patent Number(s)

If this document is being filed together with a new Patent Application, enter the date the patent application was signed by the first named executing inventor.

Month Day Year

**Patent Cooperation Treaty (PCT)**

Enter PCT application number

only if a U.S. Application Number has not been assigned.

PCT

PCT

PCT

PCT

PCT

PCT

**Number of Properties**

Enter the total number of properties involved.

#

**Fee Amount**

Fee Amount for Properties Listed (37 CFR 3.41): \$ 40.00

Method of Payment:

Deposit Account

Enclosed ☒

Deposit Account ☐

(Enter for payment by deposit account or if additional fees can be charged to the account.)

Deposit Account Number:

#

500226

Authorization to charge additional fees:

Yes

☒

No

☐

**Statement and Signature**

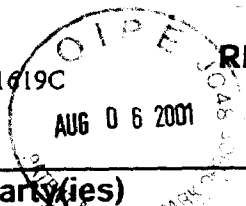
To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document. Charges to deposit account are authorized, as indicated herein.

Michael B. McNeil

Name of Person Signing

Signature

Date



**RECORDATION FORM COVER SHEET  
CONTINUATION  
PATENTS ONLY**

U.S. Department of Commerce  
Patent and Trademark Office  
**PATENT**

**Conveying Party(ies)**

☒ Mark if additional names of conveying parties attached

Enter additional Conveying Parties

Name (line 1) Edward R. Gillis

Execution Date  
Month Day Year

6/25/01

Name (line 2)

Execution Date  
Month Day Year

Name (line 1)

Name (line 2)

Execution Date  
Month Day Year

Name (line 1)

Name (line 2)

**Receiving Party(ies)**

☐ Mark if additional names of receiving parties attached

Enter additional Receiving Party(ies)

Name (line 1)

Name (line 2)

Address (line 1)

Address (line 2)

Address (line 3)

City

State/Country

Zip Code

Name (line 1)

Name (line 2)

Address (line 1)

Address (line 2)

Address (line 3)

City

State/Country

Zip Code

☐ If document to be recorded is an assignment and the receiving party is not domiciled in the United States, an appointment of a domestic representative is attached. (Designation must be a separate document from Assignment.)

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**Application Number(s) or Patent Number(s)**

☐ Mark if additional numbers attached

Enter either the Patent Application Number or the Patent Number (DO NOT ENTER BOTH numbers for the same property).

**Patent Application Number(s)**

09/903,332

**Patent Number(s)**

## ASSIGNMENT

WHEREAS, Dana R. Coldren, residing at Fairbury, Illinois, hereinafter referred to as ASSIGNOR has invented together with Charles D. Ellenbecker and Edward R. Gillis a new and useful

### FUEL INJECTOR WITH DIRECTLY CONTROLLED DUAL CONCENTRIC CHECK AND ENGINE USING SAME

for which ASSIGNOR has made or will make application for Letters Patent of the United States; 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.

  
\_\_\_\_\_  
DANA R. COLDREN

5/25/01  
\_\_\_\_\_  
Date

IN WITNESS OF the execution hereof by DANA R. COLDREN we have hereunto set our hands.

Dongming Tan May 25, 2001  
\_\_\_\_\_  
Witness (1) Date  
Address: 3119 Creek Side Rd.  
Bloomington, IL, 61704  
\_\_\_\_\_

John B. Salama 25 May '01  
\_\_\_\_\_  
Witness (2) Date  
Address: 1716 N. Rockingham St., A-3  
Normal, IL 61761  
\_\_\_\_\_

## ASSIGNMENT

WHEREAS, Charles D. Ellenbecker, residing at Normal, Illinois, hereinafter referred to as ASSIGNOR has invented together with Dana R. Coldren and Edward R. Gillis a new and useful

### FUEL INJECTOR WITH DIRECTLY CONTROLLED DUAL CONCENTRIC CHECK AND ENGINE USING SAME

for which ASSIGNOR has made or will make application for Letters Patent of the United States; 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.

Charles D. Ellenbecker  
CHARLES D. ELLENBECKER

7/9/01  
Date

IN WITNESS OF the execution hereof by CHARLES D. ELLENBECKER we have hereunto set our hands.

Norm Johnson 7-9-01  
Witness (1) Date  
Address: 3121 Copper Creek Rd  
Bloomington, IL 61704

Frank Jones 7-9-01  
Witness (2) Date  
Address: 3108 Ridge Crest Dr.  
Bloomington, IL 61704

## ASSIGNMENT

WHEREAS, Edward R. Gillis, residing at Bloomington, Illinois, hereinafter referred to as ASSIGNOR has invented together with Dana R. Coldren and Charles D. Ellenbecker a new and useful

### FUEL INJECTOR WITH DIRECTLY CONTROLLED DUAL CONCENTRIC CHECK AND ENGINE USING SAME

for which ASSIGNOR has made or will make application for Letters Patent of the United States; 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.

Edward R. Gillis  
EDWARD R. GILLIS

June 25, 2001  
Date

IN WITNESS OF the execution hereof by EDWARD R. GILLIS we have hereunto set our hands.

Thompson 6/25/01  
Witness (1) Date  
Address: 810 SOUTH MADISON  
LEWISTOWN, IL 61542

Crystal L. Carter 6/25/01  
Witness (2) Date  
Address: 13914 W. Smithville Rd.  
Hanna City, IL 61534