

12-10-1998

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

100916534

To the Honorable Commissioner of Patents
documents or copy thereof.

record the attached original

1. Name of conveying party(ies):

Eric C. Fluga
Stuart A. Greenwood

Additional Name(s) attached: [] Yes [X] No



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

Name: Caterpillar, Inc.Internal Address: Patent Department

Street Address:

100 N.E. Adams StreetCity: Peoria State: IllinoisZIP: 61629-6490

3. Nature of Conveyance:

[X] Assignment

[] Security Agreement

[] Other

Execution Date(s): 11/03/98, 11/17/98

Additional name(s) & address(es)

attached: [] Yes [X] 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 _____.

A. Patent Application No. (s)

09/187,053

Patent No. (s)

Additional numbers attached? [] Yes [X] No

Title of Invention: Diesel Engine with a Combustor which Provides Combustion Products to Reduce No_x Production in a Combustion Chamber

Attorney Docket No. 1002-0585

Caterpillar Docket No: 97-799

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

Name: Paul J. MaginotMaginot, Addison & Moore

Internal Address: _____

Street Address: Bank One Center/Tower111 Monument Circle, Suite 3000City: Indianapolis State: INZip: 46204-5130

6. Total number of applications and patents involved

[1]

7. Total fee (37 CFR 3.41) \$40.00

[X] Enclosed

[] Authorized to be charged to deposit account

8. Deposit account number: _____

(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.

Paul J. Maginot

Name of Person Signing

Signature

Date

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

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

11/25/98 MAGINOT 00000042 09187053

140:581

40.00 OP

PATENT
REEL: 9622 FRAME: 0849

ASSIGNMENT

WHEREAS, Eric C. Fluga, residing at Dunlap, Illinois, hereinafter referred to as ASSIGNOR, has invented a new and useful

DIESEL ENGINE WITH A COMBUSTOR WHICH PROVIDES COMBUSTION PRODUCTS
TO REDUCE NO_x PRODUCTION IN A.COMBUSTION CHAMBER

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 11-3-98; 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 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.

Eric C. Fluga
ERIC C. FLUGA

11/11/98
Date

IN WITNESS OF the execution hereof by ERIC C. FLUGA we have hereunto set our hands.

Wm. J. Frank 11-12-98
Witness (1) (Date)

Walter E. Lawrence 11/17/98
Witness (2) (Date)

Address: 317 N. 3rd Ave.
Morton, IL 61550
U.S.A.

Address: 1124 W. Teton Dr.
Peoria, IL 61614
USA

ASSIGNMENT

WHEREAS, Stuart A. Greenwood,, residing at San Diego, California, hereinafter referred to as ASSIGNOR, has invented a new and useful

DIESEL ENGINE WITH A COMBUSTOR WHICH PROVIDES COMBUSTION PRODUCTS
TO REDUCE NO_x PRODUCTION IN A COMBUSTION CHAMBER

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 11/2/98; 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 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.

Stuart A. Greenwood

STUART A. GREENWOOD

11/3/98

Date

IN WITNESS OF the execution hereof by STUART A. GREENWOOD we have hereunto set our hands.

A.P. Bahle 11/03/98

Witness (1) (Date)

Chas S. Wen 11/3/98

Witness (2) (Date)

Address: 1094 CONCORD ST
SAN DIEGO CA
92106

Address: 13036 CANDELA PL.
San Diego, CA 92130