

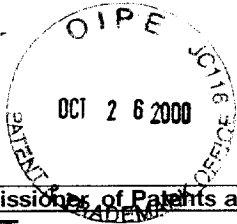
MRP 10/26/00

FORM PTO-1619A
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Name (line 1)

Gregory G. Hafner

Execution Date
Month Day Year

10/13/2000

Name (line 2)

Second PartyExecution Date
Month Day Year

Name (line 1)

Brian G. McGee

10/19/2000

Name (line 2)

Receiving Party☐

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Name (line 1)

Caterpillar Inc.

☐If document to be recorded
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Name (line 2)

Intellectual Property Department

Address (line 1)

100 N.E. Adams Street

Address (line 2)

Address (line 3)

Peoria

City

Illinois

State/Country

61629-6490

Zip Code

Domestic Representative Name and Address

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Name

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Correspondent Name and Address

Area Code and Telephone Number (309) 675-4015

Name W. Bryan McPherson III

Address (line 1) Caterpillar Inc.

Address (line 2) Intellectual Property Department

Address (line 3) 100 N. E. Adams Street

Address (line 4) Peoria, IL 61629-6490

Pages

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4

Application Number(s) or Patent Number(s)

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Patent Application Number(s)

09/616,004

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

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Number of Properties

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1

Fee Amount

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

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Authorization to charge additional fees:

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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.

W. Bryan McPherson III

Name of Person Signing

W. Bryan McPherson III

Signature

10/24/2000

Date

ASSIGNMENT

WHEREAS, Gregory G. Hafner and Brian G. McGee, residing respectively at Normal, Illinois and Chillicothe, Illinois, hereinafter referred to as ASSIGNORS, have invented a new and useful

ACCURATE DELIVER OF TOTAL FUEL WHEN TWO INJECTION EVENTS ARE CLOSELY COUPLED

for which ASSIGNORS have made application for Letters Patent in the United States of America, such invention being described and identified by said application identified as Application No. 09/616,004, filed July 13, 2000; 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.

Gregory G. Hafner
GREGORY G. HAFNER

10/13/00
Date

IN WITNESS OF the execution hereof by GREGORY G. HAFNER we have hereunto set our hands.

Nancy Bryan 10-13-00
Witness (1) Date

Melanie A. Hafner 10-13-00
Witness (2) Date

Address: 1099 Mainville Dr.
Bloomshurg Pa. 17815

Address: 508 Wittenberg Ct.
Normal, IL 61761

Brian G. McGee
BRIAN G. MCGEE

10/19/00
Date

IN WITNESS OF the execution hereof by BRIAN G. MCGEE we have hereunto set our hands.

[Signature] 10/19/00
Witness (1) Date

Eric Lee
Witness (2) Date

Address: 518 E. Erie
Spring Valley IL 61362

Address: 1501 E. GARDNER LN. #125
PEORIA HTS., IL 61614