

04-06-2006

U.S. Department of Commerce
Patent and Trademark Office
Attorney Docket No. 08350.5606-00000
Attorney Customer Number: 22,852

To the Director of the U.S. Patent and
Please record the attached original documents.

103213769

Mail Stop Assignment Recordation Services

1. Name of conveying party(ies):

- 1) Scott Alan LEMAN
- 2) Jason Kenneth BLOMS
- 3) Steven James FUNKE
- 4) James Richard WEBER

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

Name: Caterpillar Inc.

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

Internal Address: Intellectual Property Department

3. Nature of conveyance:

Street Address: 100 N.E. Adams Street

☒ Assignment☐ Merger

City: Peoria

☐ Security Agreement☐ Change of Name

State: IL

Zip Code: 61629-6490

☐ Joint Research Agreement☐ Government Interest Assignment

Additional name(s) & Address(es) attached?

☐ Executive Order 9494, Confirmatory License☐ Other:☐ Yes☒ No

Execution Date: 1) March 21, 2006
2) March 29, 2006
3) March 27, 2006
4) March 27, 2006

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: 1) March 21, 2006; 2) March 29, 2006; 3) March 27, 2006; 4) March 27, 2006

A. Patent Application Number(s):

B. Patent Number(s):

Additional numbers attached?

☐ Yes☒ No

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

6. Total number of applications and patents involved: One

Name: Denise L. Poy

7. Total fee (37 CFR 1.21(h) and 3.41): \$40

Internal Address: FINNEGAN, HENDERSON, FARABOW, GARRETT & DUNNER, L.L.P.

☒ Enclosed (Please charge deficiency or credit overpayment to deposit account 06-0916)

Street Address: 901 New York Avenue, N.W.

☐ Authorized to be charged to deposit account

City: Washington, D.C.

State: Zip: 20001-4413

8. Deposit Account No.: 06-0916

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.

Signed: 

Denise L. Poy, Reg. No. 53,480

March 31, 2006

Date

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

12/2005

04/04/2006 WABDELRI 00000004 11394121

04 FC:8021

(40.00 JP)

PATENT
REEL: 017744 FRAME: 0496

ASSIGNMENT

WHEREAS I/We, the below named inventor(s), [hereinafter referred to as Assignor(s)], have made an invention entitled:

METHOD AND APPARATUS FOR CONTROLLING ENGINE VALVE TIMING

for which I/We executed an application for United States Letters Patent concurrently herewith or filed an application for United States Letters Patent on , 20 (Serial No.); and

WHEREAS, Caterpillar Inc., a corporation of Delaware, whose post office address is Intellectual Property Department, 100 N.E. Adams Street, Peoria, IL 61629-6490 (hereinafter referred to as Assignee), is desirous of securing the entire right, title, and interest in and to this invention in all countries throughout the world, and in and to the application for United States Letters Patent on this invention and the Letters Patent to be issued upon this application;

NOW THEREFORE, be it known that for and in consideration of the sum of One Dollar (\$1.00) in hand paid and other good and valuable consideration the receipt of which from Assignee is hereby acknowledged, I/We, as Assignor(s), have sold, assigned, transferred, and set over, and do hereby sell, assign, transfer, and set over unto the Assignee, its lawful successors and assigns, my/our entire right, title, and interest in and to this invention, provisional application Serial No. _____, filed _____ (if any), and this application, and all divisions, and continuations thereof, and all Letters Patent of the United States which may be granted thereon, and all reissues thereof, and all rights to claim priority on the basis of the above provisional application (if any), as well as all rights to claim priority on the basis of this application, and all applications for Letters Patent which may hereafter be filed for this invention in any foreign country and all Letters Patent which may be granted on this invention in any foreign country, and all extensions, renewals, and reissues thereof; and I/We hereby authorize and request the Commissioner of Patents and Trademarks of the United States and any official of any foreign country whose duty it is to issue patents on applications as described above, to issue all Letters Patent for this invention to Assignee, its successors and assigns, in accordance with the terms of this Assignment;

AND, I/WE HEREBY covenant that I/We have the full right to convey the interest assigned by this Assignment, and I/We have not executed and will not execute any agreement in conflict with this Assignment;

AND, I/WE HEREBY further covenant and agree that I/We will, without further consideration, communicate with Assignee, its successors and assigns, any facts known to me/us respecting this invention, and testify in any legal proceeding, sign all lawful papers when called upon to do so, execute and deliver any and all papers that may be necessary or desirable to perfect the title to this invention in said Assignee, its successors or assigns, execute all divisional, continuation, and reissue applications, make all rightful oaths and generally do everything possible to aid Assignee, its successors and assigns, to obtain and enforce proper patent protection for this invention in the United States and any foreign country, it being understood that any expense incident to the execution of such papers shall be borne by the Assignee, its successors and assigns.

IN TESTIMONY WHEREOF, I/We have hereunto set our hands.

1. FULL NAME OF SOLE OR FIRST ASSIGNOR Scott Alan LEMAN	ASSIGNOR'S SIGNATURE <i>Scott Alan Leman</i>	DATE 3-21-06
ADDRESS 730 State Route 117, Eureka, IL 61530		CITIZENSHIP United States

1. WITNESS NAME EDWIN H. LANGEWISCH	WITNESS SIGNATURE <i>Edwin H. Langewisch</i>	DATE 21 MARCH 2006
ADDRESS 1428 W. GRANDRIDGE CT DUNLAP, IL 61525		CITIZENSHIP USA

2. WITNESS NAME BRIAN K. GARMAN	WITNESS SIGNATURE <i>Brian K. Garman</i>	DATE 21 MARCH 2006
ADDRESS 109 CONAGHAN DRIVE GROVELAND, IL 61535		CITIZENSHIP USA

2. FULL NAME OF SECOND ASSIGNOR, IF ANY Jason Kenneth BLOMS	ASSIGNOR'S SIGNATURE	DATE
ADDRESS 6230 N. Frostwood Parkway, Peoria, IL 61615		CITIZENSHIP United States

1. WITNESS NAME	WITNESS SIGNATURE	DATE
ADDRESS		CITIZENSHIP

2. WITNESS NAME	WITNESS SIGNATURE	DATE
ADDRESS		CITIZENSHIP

3. FULL NAME OF THIRD ASSIGNOR, IF ANY Steven James FUNKE	ASSIGNOR'S SIGNATURE	DATE
ADDRESS 7514 W. Thornridge Drive, Mapelton, IL 61547		CITIZENSHIP United States

1. WITNESS NAME	WITNESS SIGNATURE	DATE
ADDRESS		CITIZENSHIP

2. WITNESS NAME	WITNESS SIGNATURE	DATE
ADDRESS		CITIZENSHIP

4. FULL NAME OF FOURTH ASSIGNOR, IF ANY James Richard WEBER	ASSIGNOR'S SIGNATURE	DATE
ADDRESS 532 State Route 26, Lacon, IL 61540		CITIZENSHIP United States

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AND, I/WE HEREBY covenant that I/We have the full right to convey the interest assigned by this Assignment, and I/We have not executed and will not execute any agreement in conflict with this Assignment;

AND, I/WE HEREBY further covenant and agree that I/We will, without further consideration, communicate with Assignee, its successors and assigns, any facts known to me/us respecting this invention, and testify in any legal proceeding, sign all lawful papers when called upon to do so, execute and deliver any and all papers that may be necessary or desirable to perfect the title to this invention in said Assignee, its successors or assigns, execute all divisional, continuation, and reissue applications, make all rightful oaths and generally do everything possible to aid Assignee, its successors and assigns, to obtain and enforce proper patent protection for this invention in the United States and any foreign country, it being understood that any expense incident to the execution of such papers shall be borne by the Assignee, its successors and assigns.

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1. FULL NAME OF SOLE OR FIRST ASSIGNOR Scott Alan LEMAN	ASSIGNOR'S SIGNATURE	DATE
ADDRESS 730 State Route 117, Eureka, IL 61530		CITIZENSHIP United States

1. WITNESS NAME	WITNESS SIGNATURE	DATE
ADDRESS		CITIZENSHIP

2. WITNESS NAME	WITNESS SIGNATURE	DATE
ADDRESS		CITIZENSHIP

2. FULL NAME OF SECOND ASSIGNOR, IF ANY Jason Kenneth BLOMS	ASSIGNOR'S SIGNATURE <i>Jason K. Bloms</i>	DATE 3/29/2006
ADDRESS 6230 N. Frostwood Parkway, Peoria, IL 61615		CITIZENSHIP United States

1. WITNESS NAME <i>Wade Scrivner</i>	WITNESS SIGNATURE <i>Wade Scrivner</i>	DATE 3/29/2006
ADDRESS <i>1605 Oak Ridge</i>		CITIZENSHIP <i>USA</i>
<i>Washington, IL 61571</i>		

2. WITNESS NAME <i>Evan E. Jacobson</i>	WITNESS SIGNATURE <i>Evan E. Jacobson</i>	DATE 3/29/2006
ADDRESS <i>1124 W. Orchard Lane, Peoria, IL 61615</i>		CITIZENSHIP <i>USA</i>

3. FULL NAME OF THIRD ASSIGNOR, IF ANY Steven James FUNKE	ASSIGNOR'S SIGNATURE	DATE
ADDRESS 7514 W. Thornridge Drive, Mapleton, IL 61547		CITIZENSHIP United States

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4. FULL NAME OF FOURTH ASSIGNOR, IF ANY James Richard WEBER	ASSIGNOR'S SIGNATURE	DATE
ADDRESS 532 State Route 26, Lacon, IL 61540		CITIZENSHIP United States

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NOW THEREFORE, be it known that for and in consideration of the sum of One Dollar (\$1.00) in hand paid and other good and valuable consideration the receipt of which from Assignee is hereby acknowledged, I/We, as Assignor(s), have sold, assigned, transferred, and set over, and do hereby sell, assign, transfer, and set over unto the Assignee, its lawful successors and assigns, my/our entire right, title, and interest in and to this invention, provisional application Serial No. _____, filed _____ (if any), and this application, and all divisions, and continuations thereof, and all Letters Patent of the United States which may be granted thereon, and all reissues thereof, and all rights to claim priority on the basis of the above provisional application (if any), as well as all rights to claim priority on the basis of this application, and all applications for Letters Patent which may hereafter be filed for this invention in any foreign country and all Letters Patent which may be granted on this invention in any foreign country, and all extensions, renewals, and reissues thereof; and I/We hereby authorize and request the Commissioner of Patents and Trademarks of the United States and any official of any foreign country whose duty it is to issue patents on applications as described above, to issue all Letters Patent for this invention to Assignee, its successors and assigns, in accordance with the terms of this Assignment;

AND, I/WE HEREBY covenant that I/We have the full right to convey the interest assigned by this Assignment, and I/We have not executed and will not execute any agreement in conflict with this Assignment;

AND, I/WE HEREBY further covenant and agree that I/We will, without further consideration, communicate with Assignee, its successors and assigns, any facts known to me/us respecting this invention, and testify in any legal proceeding, sign all lawful papers when called upon to do so, execute and deliver any and all papers that may be necessary or desirable to perfect the title to this invention in said Assignee, its successors or assigns, execute all divisional, continuation, and reissue applications, make all rightful oaths and generally do everything possible to aid Assignee, its successors and assigns, to obtain and enforce proper patent protection for this invention in the United States and any foreign country, it being understood that any expense incident to the execution of such papers shall be borne by the Assignee, its successors and assigns.

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ADDRESS		CITIZENSHIP

3. FULL NAME OF THIRD ASSIGNOR, IF ANY Steven James FUNKE	ASSIGNOR'S SIGNATURE <i>Steven J. Funke</i>	DATE 27 Mar 2006
ADDRESS 7514 W. Thornridge Drive, Mapleton, IL 61547		CITIZENSHIP United States

1. WITNESS NAME MICHAEL PATRICK HARMON	WITNESS SIGNATURE <i>Michael P. Harmon</i>	DATE 27 MAR 2006
ADDRESS 13547 N. LAKEWOOD DRIVE, DUNLAP, IL 61525		CITIZENSHIP USA

2. WITNESS NAME <i>Roger L. Harmon Jr.</i>	WITNESS SIGNATURE <i>Roger L. Harmon Jr.</i>	DATE 3/27/2006
ADDRESS 813 6th Street, Colona, IL 61241		CITIZENSHIP USA

4. FULL NAME OF FOURTH ASSIGNOR, IF ANY James Richard WEBER	ASSIGNOR'S SIGNATURE	DATE
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ADDRESS 532 State Route 26, Lacon, IL 61540		CITIZENSHIP United States

1. WITNESS NAME <i>Thomas J. Crowell</i>	WITNESS SIGNATURE <i>Thomas J. Crowell</i>	DATE 3/27/2006
ADDRESS 711 Devon Drive, Metamora IL 61548		CITIZENSHIP US

2. WITNESS NAME <i>Christopher R. Gehrke</i>	WITNESS SIGNATURE <i>Chris R. Gehrke</i>	DATE 3/27/2006
ADDRESS 13433 N. Dover Ln, Chillum, IL 61523		CITIZENSHIP US