

U.S. PTO

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05/29/2008

06-05-2008



103506896

U.S. Department of Commerce
Patent and Trademark Office
Attorney Docket No. 08350.7881

Mail Stop Assignment Recordation Service

To the Director of the U.S. Patent and Trademark Office
Please record the attached original document.

1. Name of conveying party(ies):

(1) Cliff James Salisbury; (2) Jade Marie Katinas; (3) Leonard George Wheat; (4) Jennifer Joan Luestek; (5) Jason Adam Smid; (6) Philip Carl Spengler; (7) Mark Andrew McElroy and (8) Beth Ann Sebright

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) May 21, 2008; (2) May 20, 2008; (3) May 21, 2008; (4) May 21, 2008; (5) May 22, 2008; (6) May 21, 2008; (7) May 21, 2008; and (8) May 28, 2008

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) May 21, 2008; (2) May 20, 2008; (3) May 21, 2008; (4) May 21, 2008; (5) May 22, 2008; (6) May 21, 2008; (7) May 21, 2008; and (8) May 28, 2008

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
1

Name: (202) 408-4000

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:

Judy W. Chung, Reg. No. 61,612

May 29, 2008

Date

Total number of pages including cover sheet, attachments and documents: 21

6/2007

05/30/2008 MAHME1 00000070 12155062

04 FC:8021

40.00 OP

PATENT
REEL: 021059 FRAME: 0959

ASSIGNMENT

WHEREAS We, the below named inventors, [hereinafter referred to as Assignors], have made an invention entitled:

SYSTEMS AND METHODS FOR SIMULATING AN ENGINE ENVIRONMENT

for which 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

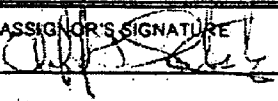
WHEREAS, Caterpillar Inc., a corporation of Delaware whose post office address is Intellectual Property Department, 100 N.E. Adams Street, Peoria, IL 61629-6490 (hereinafter referred to as Assignee), is desirous of securing the entire right, title, and interest in and to this invention in all countries 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, We, as Assignors, have sold, assigned, transferred, and set over, and do hereby sell, assign, transfer, and set over unto the Assignee, its lawful successors and assigns, 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 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, WE HEREBY covenant that We have the full right to convey the interest assigned by this Assignment, and We have not executed and will not execute any agreement in conflict with this Assignment;

AND, WE HEREBY further covenant and agree that We will, without further consideration, communicate with Assignee, its successors and assigns, any facts known to 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, We have hereunto set our hands.

1. FULL NAME OF SOLE OR FIRST ASSIGNOR Cliff James SALISBURY	ASSIGNOR'S SIGNATURE 	DATE 5/27/2008
ADDRESS 2401 W Alta Rd., Apt. 1301, Peoria, IL 61615		CITIZENSHIP U.S.

Listing of Inventors Continued on Page 2 hereof ☒ Yes ☐ No

1. WITNESS NAME Ryan D. O'Dowd	WITNESS SIGNATURE <i>Ryan D. O'Dowd</i>	DATE 5/11/2008
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2. WITNESS NAME J-F. Decker	WITNESS SIGNATURE <i>J-F. Decker</i>	DATE 5/21/08
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2. FULL NAME OF SECOND ASSIGNOR, IF ANY Jade Marie KATINAS	ASSIGNOR'S SIGNATURE <i>Jade Katinas</i>	DATE 5/20/2008
ADDRESS 201 Cloverfield Drive, Chillicothe, IL 61523		CITIZENSHIP U.S.

1. WITNESS NAME B. Matthew Risberg	WITNESS SIGNATURE <i>B. Matthew Risberg</i>	DATE 5/20/2008
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2. WITNESS NAME Nick Tixville	WITNESS SIGNATURE <i>Nick Tixville</i>	DATE 5/16/2008
ADDRESS 19 Maple Drive, Canton, IL 61570		CITIZENSHIP U.S.

3. FULL NAME OF THIRD ASSIGNOR, IF ANY Leonard George WHEAT	ASSIGNOR'S SIGNATURE <i>Leonard G. Wheat</i>	DATE 5/21/2008
ADDRESS 808 South Scott Court, Manito, IL 61546		CITIZENSHIP U.S.

1. WITNESS NAME <i>Ryan D. Codrington</i>	WITNESS SIGNATURE <i>Ryan D. Codrington</i>	DATE 5/21/2008
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2. WITNESS NAME <i>Jeff Parker</i>	WITNESS SIGNATURE <i>Jeff Parker</i>	DATE 5/21/2008
ADDRESS 205 S. Main St., Washington, IL 61571		CITIZENSHIP U.S.

4. FULL NAME OF FOURTH ASSIGNOR, IF ANY Jennifer Joan LEUSTEK	ASSIGNOR'S SIGNATURE	DATE
ADDRESS 1309 N. Hickory Hills Road, Metamora, IL 61548		CITIZENSHIP U.S.

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5. FULL NAME OF FIFTH ASSIGNOR, IF ANY Jason Adam SMID	ASSIGNOR'S SIGNATURE	DATE
ADDRESS 1440 Tradition Circle #201, Melbourne, FL 32901		CITIZENSHIP U.S.

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6. FULL NAME OF SIXTH ASSIGNOR, IF ANY Philip Carl SPENGLER	ASSIGNOR'S SIGNATURE <i>Philip Carl Spengler</i>	DATE 5/21/08
ADDRESS 133 Camelon Drive, Washington, IL 61571		CITIZENSHIP U.S.

1. WITNESS NAME CHRISTIANE JOSEPH SUTKOWICZ	WITNESS SIGNATURE <i>Christiane Joseph Sutkowicz</i>	DATE 5/21/08
ADDRESS 1001-1106 W. CAMPBELL DR. PERU, IL 61615		CITIZENSHIP USA

2. WITNESS NAME Hind Abr-Akar	WITNESS SIGNATURE <i>Hind A. Akar</i>	DATE 5/21/08
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7. FULL NAME OF SEVENTH ASSIGNOR, IF ANY Mark Andrew MCELROY	ASSIGNOR'S SIGNATURE	DATE
ADDRESS 11100 N. Wilderness Drive, Peoria, IL 61615		CITIZENSHIP U.S.

1. WITNESS NAME	WITNESS SIGNATURE	DATE
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8. FULL NAME OF EIGHTH ASSIGNOR, IF ANY Beth Ann SEBRIGHT	ASSIGNOR'S SIGNATURE	DATE
ADDRESS 4606 E. Hart Lane, Chillicothe, IL 61523		CITIZENSHIP U.S.

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SYSTEMS AND METHODS FOR SIMULATING AN ENGINE ENVIRONMENT

for which 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, We, as Assignors, have sold, assigned, transferred, and set over, and do hereby sell, assign, transfer, and set over unto the Assignee, its lawful successors and assigns, 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 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, WE HEREBY covenant that We have the full right to convey the interest assigned by this Assignment, and We have not executed and will not execute any agreement in conflict with this Assignment;

AND, WE HEREBY further covenant and agree that We will, without further consideration, communicate with Assignee, its successors and assigns, any facts known to 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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Listing of Inventors Continued on Page 2 hereof ☒ Yes ☐ No

1. WITNESS NAME	WITNESS SIGNATURE	DATE
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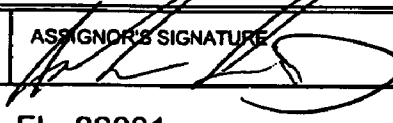
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5. FULL NAME OF FIFTH ASSIGNOR, IF ANY Jason Adam SMID	ASSIGNOR'S SIGNATURE 	DATE 5-22-2008
ADDRESS 1440 Tradition Circle #201, Melbourne, FL 32901		CITIZENSHIP U.S.

1. WITNESS NAME KARL WESSON	WITNESS SIGNATURE 	DATE 5-22-2008
ADDRESS 1125 HWY A1A #508		CITIZENSHIP US
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2. WITNESS NAME Neal Rush	WITNESS SIGNATURE 	DATE 5/22/08
ADDRESS 1240 Gorda Dr NE		CITIZENSHIP US
Palm Bay, FL. 32907		

6. FULL NAME OF SIXTH ASSIGNOR, IF ANY Philip Carl SPENGLER	ASSIGNOR'S SIGNATURE	DATE
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1. WITNESS NAME CHRISTOPHER F. GALLMEYER	WITNESS SIGNATURE <i>Christopher F. Gallmeyer</i>	DATE 5/21/2008
ADDRESS 4120 N BROOKMONT RD PEORIA IL		CITIZENSHIP US

2. WITNESS NAME Mike Botkins	WITNESS SIGNATURE <i>Mike Botkins</i>	DATE 5/21/2008
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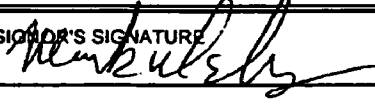
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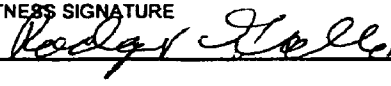
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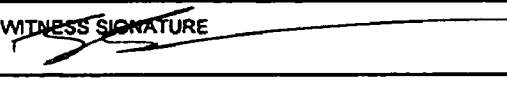
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1. WITNESS NAME RODGER GALLU	WITNESS SIGNATURE 	DATE 5-21-08
ADDRESS 22176 WOODLANE CT MORTON IL 61550		CITIZENSHIP US

2. WITNESS NAME Tony Slover	WITNESS SIGNATURE 	DATE 5-21-08
ADDRESS 3847 W. PALM, 2A #4 Peoria, IL 61604		CITIZENSHIP US

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Listing of Inventors Continued on Page 2 hereof ☒ Yes ☐ No

SOLE/JOINT INVENTION
(Worldwide Rights)
Attorney Docket No. 08350.7881
Client Ref. No. 07-881

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Attorney Docket No. 08350.7881
Client Ref. No. 07-881

3. FULL NAME OF THIRD ASSIGNOR, IF ANY Leonard George WHEAT	ASSIGNOR'S SIGNATURE	DATE
ADDRESS 808 South Scott Court, Manito, IL 61546		CITIZENSHIP U.S.

1. WITNESS NAME	WITNESS SIGNATURE	DATE
ADDRESS		CITIZENSHIP

2. WITNESS NAME	WITNESS SIGNATURE	DATE
ADDRESS		CITIZENSHIP

4. FULL NAME OF FOURTH ASSIGNOR, IF ANY Jennifer Joan LEUSTEK	ASSIGNOR'S SIGNATURE	DATE
ADDRESS 1309 N. Hickory Hills Road, Metamora, IL 61548		CITIZENSHIP U.S.

1. WITNESS NAME	WITNESS SIGNATURE	DATE
ADDRESS		CITIZENSHIP

2. WITNESS NAME	WITNESS SIGNATURE	DATE
ADDRESS		CITIZENSHIP

5. FULL NAME OF FIFTH ASSIGNOR, IF ANY Jason Adam SMID	ASSIGNOR'S SIGNATURE	DATE
ADDRESS 1440 Tradition Circle #201, Melbourne, FL 32901		CITIZENSHIP U.S.

1. WITNESS NAME	WITNESS SIGNATURE	DATE
ADDRESS		CITIZENSHIP

2. WITNESS NAME	WITNESS SIGNATURE	DATE
ADDRESS		CITIZENSHIP

6. FULL NAME OF SIXTH ASSIGNOR, IF ANY Philip Carl SPENGLER	ASSIGNOR'S SIGNATURE	DATE
ADDRESS 133 Camelon Drive, Washington, IL 61571		CITIZENSHIP U.S.

1. WITNESS NAME	WITNESS SIGNATURE	DATE
ADDRESS		CITIZENSHIP

2. WITNESS NAME	WITNESS SIGNATURE	DATE
ADDRESS		CITIZENSHIP

7. FULL NAME OF SEVENTH ASSIGNOR, IF ANY Mark Andrew MCELROY	ASSIGNOR'S SIGNATURE	DATE
ADDRESS 11100 N. Wilderness Drive, Peoria, IL 61615		CITIZENSHIP U.S.

1. WITNESS NAME	WITNESS SIGNATURE	DATE
ADDRESS		CITIZENSHIP

2. WITNESS NAME	WITNESS SIGNATURE	DATE
ADDRESS		CITIZENSHIP

8. FULL NAME OF EIGHTH ASSIGNOR, IF ANY Beth Ann SEBRIGHT	ASSIGNOR'S SIGNATURE <i>Beth Sebright</i>	DATE 5-28-08
ADDRESS 4606 E. Hart Lane, Chillicothe, IL 61523		CITIZENSHIP U.S.

1. WITNESS NAME <i>ERIC M KELSEY</i>	WITNESS SIGNATURE <i>E M Kelsey</i>	DATE 5/28/08
ADDRESS 11584 N 900TH AVE GRANVILLE IL 61326		CITIZENSHIP USA

2. WITNESS NAME <i>JOHN TRUHAN</i>	WITNESS SIGNATURE <i>John Truhan</i>	DATE 5/28/08
ADDRESS 7314 N. MIRAMAR PEORIA, IL 61614		CITIZENSHIP