

U.S. PTO
12/292836
11/26/2008

12-08-2008



U.S. Department of Commerce
Patent and Trademark Office
Customer No.: 58,982
Attorney Docket No. 08350.8475-000

103538384

To the Director of the U.S. Patent and Trademark Office
Please record the attached original documents or copy thereof.

Mail Stop Assignment Recordation Service

80.92.11

1. Name of conveying parties: 1. Martin L. Willi 2. Scott B. Fiveland 3. David T. Montgomery 4. Weidong Gong		2. Name and address of receiving party: Name: Caterpillar Inc.	
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Additional name(s) of conveying parties attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		Internal Address:	
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3. Nature of conveyance:		Street Address: 100 N.E. Adams Street	
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<input checked="" type="checkbox"/> Assignment	<input type="checkbox"/> Merger	City: Peoria
<input type="checkbox"/> Security Agreement	<input type="checkbox"/> Change of Name	State: IL Zip Code: 61629-9510

<input type="checkbox"/> Joint Research Agreement	<input type="checkbox"/> Government Interest Assignment	Additional name(s) & Address(es) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
<input type="checkbox"/> Executive Order 9494, Confirmatory License	<input type="checkbox"/> Other:	

Execution Date:	1. 11/26/2008 2. 11/26/2008 3. 11/26/2008 4. 11/26/2008
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Application number(s) or patent number(s): If this document is being filed together with a new application, the execution date the application: (1) 11/26/2008, (2) 11/26/2008, (3) 11/26/2008, and (4) 11/26/2008

A. Patent Application Number(s):	B. Patent Number(s):
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Additional numbers attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
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5. Name and address of party to whom correspondence concerning document should be mailed:	Total number of applications and patents involved: One (1)
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Name: Stephen L. Keefe	6. Total fee (37 CFR 1.21(h) and 3.41): \$40 <input checked="" type="checkbox"/> Enclosed (Please charge deficiency or credit overpayment to Deposit Account No. 06-091) <input type="checkbox"/> Authorized to be charged to deposit account
Internal Address: FINNEGAN, HENDERSON, FARABOW, GARRETT & DUNNER, L.L.P.	
Street Address: 901 New York Avenue, N.W.	
City: Washington	
State: D.C. Zip: 20001-4413	

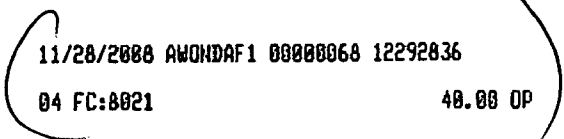
7. Deposit Account No.: 06-0916

8. 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:	November 26, 2008
Stephen L. Keefe Reg. No. 61,100	Date

Total number of pages including cover sheet, attachments and documents:	4
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5/2006



PATENT
REEL: 021938 FRAME: 0148

U.S. PTO
12/292836
11/26/2008

Customer No. 58,982
SOLE/JOINT INVENTION
(Worldwide Rights)
Attorney Docket No. 08350.8475-00000
Client Ref. No. 08-475

ASSIGNMENT

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

ENGINE CONTROL SYSTEM HAVING FUEL-BASED TIMING

for which We executed an application for United States Letters Patent concurrently herewith and

WHEREAS, Caterpillar Inc., a corporation of Delaware whose post office address is 100 N.E. Adams Street, Peoria, IL 61629-9510 (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, 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 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;

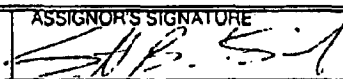
AND, We HEREBY further covenant and agree that We will, without further consideration, communicate with Assignee, its successors and assigns, any facts known to us respecting this invention, and testify in any legal proceeding, sign all lawful papers when called upon to do so, execute and deliver any 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.

FULL NAME FIRST ASSIGNOR Martin L. Willi	ASSIGNOR'S SIGNATURE <i>Martin L. Willi</i>	DATE 11/26/08
ADDRESS 2300 West Brooklyn Place, Dunlap, IL 61525		CITIZENSHIP U.S.A.


1. WITNESS NAME Peter D. Jensen	WITNESS SIGNATURE 	DATE 11/26/2008
ADDRESS 4561 Cross Country Rd. Rhinelander, WI 54501		CITIZENSHIP USA

2. WITNESS NAME Arnold Kim	WITNESS SIGNATURE 	DATE 11/26/2008
ADDRESS 2401 W. Atb. Rd #1505, Peoria IL, 61615		CITIZENSHIP South Korea

2. FULL NAME OF SECOND ASSIGNOR Scott B. Fiveland	ASSIGNOR'S SIGNATURE 	DATE 11/26/08
ADDRESS 503 Windsor Drive, Metamora, IL 61548		CITIZENSHIP U.S.A.

1. WITNESS NAME Richard T. Walsh	WITNESS SIGNATURE 	DATE 11/26/2008
ADDRESS 420 Washington, St Peoria IL, 61554		CITIZENSHIP USA

2. WITNESS NAME DEEPAK DUTTA	WITNESS SIGNATURE Deepak Dutta	DATE 11/26/2008
ADDRESS 2007 GERALD DRIVE, PEORIA, IL 61615		CITIZENSHIP USA

3. FULL NAME OF THIRD ASSIGNOR, IF ANY David T. Montgomery	ASSIGNOR'S SIGNATURE 	DATE 11/26/08
ADDRESS 22130 North Centerville Road, Edelstein, IL 61526		CITIZENSHIP U.S.A.

1. WITNESS NAME <i>Peter D. Jensen</i>	WITNESS SIGNATURE <i>[Signature]</i>	DATE <i>11/26/2008</i>
ADDRESS <i>7561 Crow Country Rd. Rhinelander, WI 54501</i>		CITIZENSHIP <i>USA</i>

2. WITNESS NAME <i>Arnold Kim</i>	WITNESS SIGNATURE <i>[Signature]</i>	DATE <i>11/26/2008</i>
ADDRESS <i>2201 W. Alta Rd #1505, Peoria, IL, 61615</i>		CITIZENSHIP <i>South Korea</i>

4. FULL NAME OF FOURTH ASSIGNOR, IF ANY <i>Weidong Gong</i>	ASSIGNOR'S SIGNATURE <i>[Signature]</i>	DATE <i>11/26/08</i>
ADDRESS <i>112 West Copperfield Drive, Dunlap, IL 61525</i>		CITIZENSHIP <i>CHINA</i>

1. WITNESS NAME <i>Richard T. Walsh</i>	WITNESS SIGNATURE <i>[Signature]</i>	DATE <i>11/26/08</i>
ADDRESS <i>420 Washington St, Peoria, IL 61554</i>		CITIZENSHIP <i>USA</i>

2. WITNESS NAME <i>DEEPAK DUTTA</i>	WITNESS SIGNATURE <i>[Signature]</i>	DATE <i>11/26/08</i>
ADDRESS <i>2007 GERALD DRIVE, PEORIA, IL 61615</i>		CITIZENSHIP <i>USA</i>