

## PATENT ASSIGNMENT

Electronic Version v1.1  
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SUBMISSION TYPE:	NEW ASSIGNMENT								
NATURE OF CONVEYANCE:	ASSIGNMENT								
CONVEYING PARTY DATA									
<table border="1"> <thead> <tr> <th>Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>Nandagopal Methil-Sudhakaran</td> <td>09/06/2012</td> </tr> <tr> <td>Daniel R. Puckett</td> <td>09/06/2012</td> </tr> <tr> <td>Frank Lombardi</td> <td>09/06/2012</td> </tr> </tbody> </table>		Name	Execution Date	Nandagopal Methil-Sudhakaran	09/06/2012	Daniel R. Puckett	09/06/2012	Frank Lombardi	09/06/2012
Name	Execution Date								
Nandagopal Methil-Sudhakaran	09/06/2012								
Daniel R. Puckett	09/06/2012								
Frank Lombardi	09/06/2012								
RECEIVING PARTY DATA									
Name:	Caterpillar Inc.								
Street Address:	100 N.E. Adams Street								
City:	Peoria								
State/Country:	ILLINOIS								
Postal Code:	61629-9510								
PROPERTY NUMBERS Total: 1									
<table border="1"> <thead> <tr> <th>Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>13606479</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13606479				
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Application Number:	13606479								
CORRESPONDENCE DATA									
Fax Number:	8123333173								
Phone:	812 333-5355								
Email:	mmcneil@liellmcneil.com								
<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US Mail.</i>									
Correspondent Name:	Caterpillar Inc. c/o LIELL & MCNEIL ATTO								
Address Line 1:	P.O. Box 2417								
Address Line 2:	511 South Madison Street								
Address Line 4:	Bloomington, INDIANA 47402-2417								
ATTORNEY DOCKET NUMBER:	12-0110								
NAME OF SUBMITTER:	Michael B. McNeil								
Total Attachments: 4 source=12-0110-Assignments#page1.tif source=12-0110-Assignments#page2.tif source=12-0110-Assignments#page3.tif source=12-0110-Assignments#page4.tif									

OP \$40.00 13606479

JOINT INVENTION  
(Worldwide Rights)  
Attorney Docket No. 12-0110

ASSIGNMENT

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

RAIL PRESSURE CONTROL STRATEGY FOR COMMON RAIL FUEL SYSTEM

for which We will or have filed a patent application; and

WHEREAS, [CATERPILLAR INC.] , a corporation of [DELAWARE] whose post office address is [100 N.E. ADAMS STREET, PEORIA, ILLINOIS, 61629-9510] (hereinafter referred to as Assignee), is desirous of securing the entire right, title, and interest in and to this invention, and in and to the patent application for this invention and any and all patents to be issued upon this application throughout the world;

NOW THEREFORE, be it known that for good and valuable consideration the receipt of which from Assignee is hereby acknowledged, 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, our entire right, title, and interest in and to this invention, and this application, and all divisions, and continuations thereof, and all patents which may be granted thereon, and all reissues thereof, as well as all rights to claim priority in any country or jurisdiction or patent office on the basis of this application, and all applications for patents which may hereafter be filed for this invention in any country or jurisdiction or patent office and all patents which may be granted on this invention in any country or jurisdiction or patent office, and all extensions, renewals, and reissues thereof; and We hereby authorize and request any official of any country or jurisdiction or patent office whose duty it is to issue patents on applications as described above, to issue all patents 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 any country or jurisdiction or patent office, it being understood that any expense incident to the execution of such papers shall be borne by the Assignee, its successors and assigns;

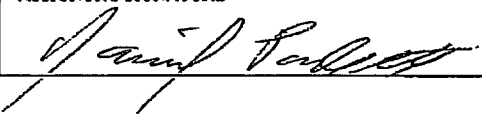
AND, WE HEREBY authorize the attorneys/representatives that WE have empowered to prosecute this application to insert here in parentheses the country, application number, and official filing date ( U.S. Application No. 13606479, filed September 7, 2012).

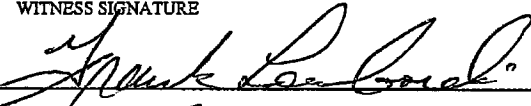
IN TESTIMONY WHEREOF, We have hereunto set our hands.

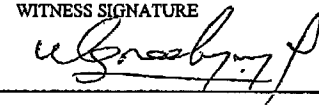
1. FULL NAME OF SOLE OR FIRST ASSIGNOR NANDAGOPAL METHIL-SUDHAKARAN	ASSIGNOR'S SIGNATURE <i>Nandagopal Methil-Sudhakaran</i>	DATE 9/6/2012
ADDRESS 12225 N. Woodcrest Dr. Apt. 205  Dunlap, IL 61525		CITIZENSHIP IN

1. WITNESS NAME <i>Daniel Puckett</i>	WITNESS SIGNATURE <i>Daniel Puckett</i>	DATE 06 SEP 2012
ADDRESS		CITIZENSHIP

2. WITNESS NAME <i>FRANK LOMBARDE</i>	WITNESS SIGNATURE <i>Frank Lombardi</i>	DATE 9/6/2012
ADDRESS <i>813 HICKORY CREEK COURT Metamora, IL 61548</i>		CITIZENSHIP <i>U.S.</i>

2. FULL NAME OF SECOND ASSIGNOR, IF ANY DANIEL R. PUCKETT	ASSIGNOR'S SIGNATURE 	DATE 06 SEP 2012
ADDRESS 5628 W. Grande Cir		CITIZENSHIP US
Peoria, IL 61615		

1. WITNESS NAME FRANK LOMBARDI	WITNESS SIGNATURE 	DATE 9/6/2012
ADDRESS 813 Hickory Creek Ct		CITIZENSHIP US
Metamora IL 61548		

2. WITNESS NAME NANDAGOPAL MEHIL-SOPHAKARAN	WITNESS SIGNATURE 	DATE 9/6/2012
ADDRESS 12225 N Woodcrest Dr Apt 205		CITIZENSHIP INDIAN
DUNLAP IL 61525.		

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3. FULL NAME OF THIRD ASSIGNOR, IF ANY FRANK LOMBARDI	ASSIGNOR'S SIGNATURE <i>Frank Lombardi</i>	DATE 9/6/2012
ADDRESS 813 Hickory Creek Ct.  Metamora, IL 61548		CITIZENSHIP US

1. WITNESS NAME Daniel Puckett	WITNESS SIGNATURE <i>Daniel Puckett</i>	DATE 06 SEP 2012
ADDRESS 5678 W. Grande Cir		CITIZENSHIP USA

2. WITNESS NAME NANDAGOPAL METHIL-SUDHAKARAN	WITNESS SIGNATURE <i>Nandagopal Methil-Sudhakaran</i>	DATE 6/sep/2012
ADDRESS 12225 N woodcrest dr. Apt 205  DUNLAP IL 61525		CITIZENSHIP INDIAN.