

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
Stylesheet Version v1.2

EPAS ID: PAT6764232

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
BRETT A. ZOOK	06/16/2021
CHRISTOPHER F. GALLMEYER	02/18/2021
KARTHIK JAYASANKARAN	02/11/2021
KAMALAKANNAN THAMMIREDDI VAJRAM	02/08/2021
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	CATERPILLAR INC.
<b>Street Address:</b>	100 NE ADAMS STREET, SUITE 100
<b>City:</b>	PEORIA
<b>State/Country:</b>	ILLINOIS
<b>Postal Code:</b>	61629-9510
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	17181231
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	
<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.</i>	
<b>Email:</b>	jyates@bscattorneys.com
<b>Correspondent Name:</b>	CATERPILLAR INC./BRANNON SOWERS & CRACRAFT
<b>Address Line 1:</b>	100 N.E. ADAMS STREET, SUITE 100
<b>Address Line 4:</b>	PEORIA, ILLINOIS 61629-9510
<b>ATTORNEY DOCKET NUMBER:</b>	20-0870US01
<b>NAME OF SUBMITTER:</b>	JONATHAN F. YATES
<b>SIGNATURE:</b>	/Jonathan F. Yates/
<b>DATE SIGNED:</b>	06/16/2021
<b>Total Attachments: 5</b>	
source=200870US01USPatentApplicationAssignment#page1.tif	
source=200870US01USPatentApplicationAssignment#page2.tif	
source=200870US01USPatentApplicationAssignment#page3.tif	
source=200870US01USPatentApplicationAssignment#page4.tif	



## ASSIGNMENT

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

DERATING OPERATING STRATEGY AND GASEOUS FUEL ENGINE CONTROL SYSTEM

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

WHEREAS, **Caterpillar Inc.**, a corporation of **the State of Delaware**, having an address at **100 NE 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;

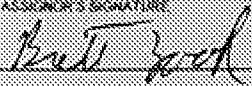
NOW THEREFORE, be it known that for good and valuable consideration the receipt of which from Assignee is hereby acknowledged, We, as Assignor(s), have sold, assigned, transferred, and set over, and do hereby sell, assign, transfer, and set over unto the Assignee, its lawful successors and assigns, our 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 I 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;

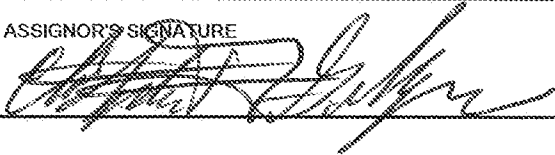
AND, WE HEREBY authorize Assignee or the attorneys/representatives of Assignee to insert here in parentheses the country, application number, and official filing date ( United States Application No. 17/181,231, filed February 22, 2021 ).


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


1. FULL NAME OF SOLE OR FIRST ASSIGNOR Brett A Zook	ASSIGNOR'S SIGNATURE 	DATE 6/16/21
ADDRESS 1845 West 450 South Lafayette, IN 47909		CITIZENSHIP US


1. WITNESS NAME Quang H Vi-Zook	WITNESS SIGNATURE 	DATE 6/16/21
ADDRESS 1845 W 450 S Lafayette, IN 47909		CITIZENSHIP US

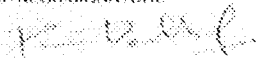
2. WITNESS NAME	WITNESS SIGNATURE	DATE
ADDRESS		CITIZENSHIP

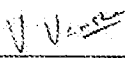
2. FULL NAME OF SOLE OR SECOND ASSIGNOR Christopher F Gallmeyer	ASSIGNOR'S SIGNATURE 	DATE 2/18/2021
ADDRESS 1208 W. Walnut St, Chillicothe, IL 61523	CITIZENSHIP United States	

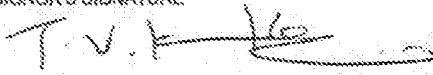
1. WITNESS NAME Patricia A Gallmeyer	WITNESS SIGNATURE 	DATE 2-18-2021
ADDRESS 1208 W Walnut St Chillicothe, IL 61523	CITIZENSHIP United States	

2. WITNESS NAME Emma Gallmeyer	WITNESS SIGNATURE 	DATE 2/18/21
ADDRESS 1208 W. Walnut St, Chillicothe, IL 61523	CITIZENSHIP United States	

3. FULL NAME OF THIRD ASSIGNOR Karthik Jayasankaran	ASSIGNOR'S SIGNATURE 	DATE 02/11/2021
ADDRESS 10723 N Glenfield Drive, Dunlap IL 61525		CITIZENSHIP India

1. WITNESS NAME Prasanna M Ballal	WITNESS SIGNATURE 	DATE 2/11/2021
ADDRESS 2122 W Broadland Drive Dunlap, IL 61525, U.S.A.		CITIZENSHIP U.S.

2. WITNESS NAME Varsha Venkatraman	WITNESS SIGNATURE 	DATE 02/11/2021
ADDRESS 10723 N GLENFIELD DRIVE, DUNLAP, IL 61525		CITIZENSHIP India

4. FULL NAME OF FOURTH ASSIGNOR Kamalakaran Thammireddi Vajram	ASSIGNOR'S SIGNATURE 	DATE 02/08/2021
ADDRESS 2401 W Alta Rd, Apt 1107, Peoria, IL. 61615		CITIZENSHIP India

1. WITNESS NAME	WITNESS SIGNATURE	DATE
ADDRESS		CITIZENSHIP

2. WITNESS NAME	WITNESS SIGNATURE	DATE
ADDRESS		CITIZENSHIP