

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT6778068

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
XINYU GE	06/15/2021
BRIAN P. BRENNAN	06/15/2021
JAMES H. MUTTI JR.	06/15/2021
RECEIVING PARTY DATA	
Name:	CATERPILLAR INC.
Street Address:	100 NE ADAMS STREET
City:	PEORIA
State/Country:	ILLINOIS
Postal Code:	61629-9510
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	17349720
CORRESPONDENCE DATA	
Fax Number:	
<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>	
Email:	jbarfield@bomcip.com
Correspondent Name:	BOOKOFF MCANDREWS PLLC
Address Line 1:	2020 K STREET NW
Address Line 4:	WASHINGTON, D.C. 20006
ATTORNEY DOCKET NUMBER:	21-0038US01
NAME OF SUBMITTER:	MATTHEW J. SEWARD
SIGNATURE:	/Matthew J. Seward/
DATE SIGNED:	06/23/2021
Total Attachments: 3	
source=2021-06-16 Executed Assignment 00710343#page1.tif	
source=2021-06-16 Executed Assignment 00710343#page2.tif	
source=2021-06-16 Executed Assignment 00710343#page3.tif	

ASSIGNMENT

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

METHOD AND SYSTEM FOR VALVE STICKING DETECTION, PREVENTION, OR CORRECTION

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

WHEREAS, **Caterpillar Inc.**, a corporation of **Delaware** whose post office address is **100 NE Adams Street, Peoria, Illinois 61629-9510, U.S.A.** (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;

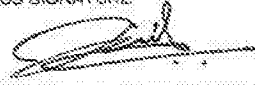
AND, WE HEREBY further covenant and agree that We will, without further consideration, communicate with Assignee, its successors and assigns, any facts known to us respecting this invention, and testify in any legal proceeding, sign all lawful papers when called upon to do so, execute and deliver any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

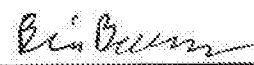
AND, WE HEREBY authorize the attorneys/representatives that WE have empowered to prosecute this application to insert here in parentheses the country, application number, and official filing date (U.S. Application No. 17/349,720, filed June 16, 2021).

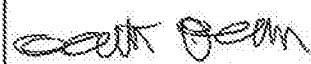
IN TESTIMONY WHEREOF, We have hereunto set our hands.


1. FULL NAME OF FIRST ASSIGNOR Xinyu GE	ASSIGNOR'S SIGNATURE 	DATE 6/15/2021
ADDRESS 2013 W. Forestglen Dr Peoria, IL 61615		CITIZENSHIP CN

1. WITNESS NAME Scott Brown	WITNESS SIGNATURE 	DATE 6-15-2021
ADDRESS 2333 West Kenfield Ct. 61615		CITIZENSHIP US citizen

2. WITNESS NAME Jairid Jari	WITNESS SIGNATURE 	DATE 06/15/2021
ADDRESS 7710 N Derby Rd, Peoria, IL 61615		CITIZENSHIP Indian

2. FULL NAME OF SECOND ASSIGNOR Brian P. BRENNAN	ASSIGNOR'S SIGNATURE 	DATE 6/15/2021
ADDRESS 3148 Butler Ave Stegler, IL 60475		CITIZENSHIP US citizen

1. WITNESS NAME Scott Brown	WITNESS SIGNATURE 	DATE 6/15/2021
ADDRESS 2333 West Kenfield Ct. 61615 Peoria		CITIZENSHIP US citizen

2. WITNESS NAME Arjun Jayaram	WITNESS SIGNATURE 	DATE 6/15/2021
ADDRESS 1501 W. CONEFLOWER Dr. Apt 2502, 61615 PEORIA		CITIZENSHIP INDIAN

JOINT INVENTION
(Worldwide Rights)
Attorney Docket No.: 00152-2118-00000
Client Ref. No.: 21-0038US01

3. FULL NAME OF THIRD ASSIGNOR	ASSIGNOR'S SIGNATURE	DATE
James H. MUTTI, JR.	James H. Mutti, Jr.	6/15/2021
ADDRESS		CITIZENSHIP
228 Karagen Cir		U.S.
Germantown Hills, IL 61548		

1. WITNESS NAME	WITNESS SIGNATURE	DATE
Emily C. Mutti	Emily C. Mutti	06-15-2021
ADDRESS		CITIZENSHIP
228 Karagen Circle		U.S.
Germantown Hills, IL, 61548		

2. WITNESS NAME	WITNESS SIGNATURE	DATE
Megan Mutti	Megan Mutti	06-15-2021
ADDRESS		CITIZENSHIP
228 Karagen Circle		US
Germantown Hills, IL 61548		