

PATENT ASSIGNMENT COVER SHEET

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Stylesheet Version v1.2

EPAS ID: PAT5772933

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
GAUTHAM SUBRAMANIAN	10/16/2019
JACOB J. MCALPINE	10/16/2019
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:	16654832
CORRESPONDENCE DATA	
Fax Number:	(309)675-1236
<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>	
Phone:	3096755140
Email:	US_Docket_Clerk@cat.com
Correspondent Name:	CATERPILLAR INC.
Address Line 1:	100 NE ADAMS STREET
Address Line 4:	PEORIA, UNITED STATES 61629-9510
ATTORNEY DOCKET NUMBER:	19-0745-73120
NAME OF SUBMITTER:	AMANDA LYBEER
SIGNATURE:	/Amanda Lybeer/
DATE SIGNED:	10/16/2019
Total Attachments: 3 source=26L9176#page1.tif source=26L9176#page2.tif source=26L9176#page3.tif	

ASSIGNMENT

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

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

WHEREAS, **Caterpillar Inc.**, a corporation of Delaware, having a place of business at **100 NE Adams Street, Peoria, Illinois 61629-9510, United States of America** (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;

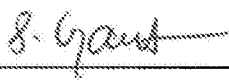
NOW THEREFORE, be it known that for good and valuable consideration the receipt of which from Assignee is hereby acknowledged, I/We, as Assignor(s), have sold, assigned, transferred, and set over, and do hereby sell, assign, transfer, and set over unto the Assignee, its lawful successors and assigns,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

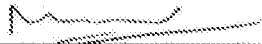
AND, I/WE HEREBY covenant that I/We have the full right to convey the interest assigned by this Assignment, and I/We have not executed and will not execute any agreement in conflict with this Assignment;

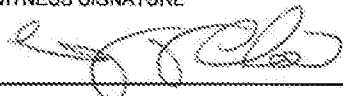
AND, I/WE HEREBY further covenant and agree that I/We will, without further consideration, communicate with Assignee, its successors and assigns, any facts known to me/us respecting this invention, and testify in any legal proceeding, sign all lawful papers when called upon to do so, execute and deliver 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, I/WE HEREBY authorize the attorneys/representatives that I/WE have empowered to prosecute this application to insert here in parentheses the country, application number, and official filing date (US
Application No. 16/654,832, filed October 16, 2019).

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

1. FULL NAME OF SOLE OR FIRST ASSIGNOR Gautham Subramanian	ASSIGNOR'S SIGNATURE 	DATE 16 OCT 2019
ADDRESS 8909 N Scrimshaw Dr, Unit 202, Peoria, IL 61615		CITIZENSHIP IN

1. WITNESS NAME	WITNESS SIGNATURE	DATE
MANASWINI NAMA		10/16/2019
ADDRESS		CITIZENSHIP
7100 N Terra Vista Drive, 1610		INDIA
Peoria, IL - 61614		

2. WITNESS NAME	WITNESS SIGNATURE	DATE
WING CHOI		10/16/2019
ADDRESS		CITIZENSHIP
2822 W PLAYDEN DR		USA
PEORIA, IL 61615		


2. FULL NAME OF SECOND ASSIGNOR	ASSIGNOR'S SIGNATURE	DATE
Jacob J. McAlpine		
ADDRESS		CITIZENSHIP
7641 Packard Ave NE, Otsego, MN 55330-6821		US


1. WITNESS NAME	WITNESS SIGNATURE	DATE
ADDRESS		CITIZENSHIP

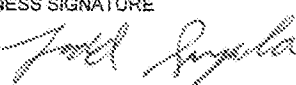
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2. FULL NAME OF SECOND ASSIGNOR	ASSIGNOR'S SIGNATURE	DATE
Jacob J. McAlpine		10/16/19
ADDRESS	CITIZENSHIP	
7641 Packard Ave NE, Otsego, MN 55330-6821	US	

1. WITNESS NAME	WITNESS SIGNATURE	DATE
Nicholas A Oetken		10/16/19
ADDRESS	CITIZENSHIP	
10338 QUAIL CIRCLE N	USA	
BROOKLYN PARK MN 55443		

2. WITNESS NAME	WITNESS SIGNATURE	DATE
Todd Impola		10/16/19
ADDRESS	CITIZENSHIP	
14003 Knollway Dr S	USA	
Minnetonka, MN 55305		