

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
Stylesheet Version v1.2

EPAS ID: PAT5542198

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
DAVID JAMES EDWARDS	09/05/2018
GREGORY DAVIS	08/30/2018
RYAN J. HOWELL	05/28/2019
SCOTT ANDREW KIRKMAN	09/04/2018
ANDREW THIEL	09/05/2018
GREGORY MARK WOOD	09/03/2018
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	CATERPILLAR INC.
<b>Street Address:</b>	510 LAKE COOK ROAD
<b>Internal Address:</b>	SUITE 100
<b>City:</b>	DEERFIELD
<b>State/Country:</b>	ILLINOIS
<b>Postal Code:</b>	60015
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	16126491
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(509)323-8979
<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>Phone:</b>	509-324-9256
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<b>Address Line 4:</b>	SPOKANE, WASHINGTON 99201
<b>ATTORNEY DOCKET NUMBER:</b>	C190-0016US
<b>NAME OF SUBMITTER:</b>	CYNTHIA M. CONWAY
<b>SIGNATURE:</b>	/Cynthia M. Conway/
<b>DATE SIGNED:</b>	05/28/2019

PATENT

**Total Attachments: 6**

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## ASSIGNMENT

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

### SYSTEM AND METHOD FOR CONTROLLING MACHINES USING OPERATOR ALERTNESS METRICS

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 **510 Lake Cook Road, Suite 100, Deerfield, Illinois, 60015, 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;

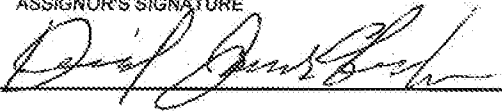
NOW THEREFORE, be it known that for good and valuable consideration the receipt of which from Assignee is hereby acknowledged, I/We, as Assignor(s), have sold, assigned, transferred, and set over, and do hereby sell, assign, transfer, and set over unto the Assignee, its lawful successors and assigns, 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. 16/126,491, filed September 10, 2018 ).

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

1. FULL NAME OF FIRST ASSIGNOR David James Edwards	ASSIGNOR'S SIGNATURE 	DATE 9-5-18
ADDRESS 11008 N. Stillwater, Dunlap, IL 61525-9115		CITIZENSHIP US

1. WITNESS NAME <i>Elisa Begner</i>	WITNESS SIGNATURE <i>Elisa Begner</i>	DATE <i>9/5/18</i>
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2. WITNESS NAME <i>Nicole Swallows</i>	WITNESS SIGNATURE <i>Nicole M Swallows</i>	DATE <i>9/5/18</i>
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1. WITNESS NAME	WITNESS SIGNATURE	DATE
ADDRESS		CITIZENSHIP


2. WITNESS NAME	WITNESS SIGNATURE	DATE
ADDRESS		CITIZENSHIP

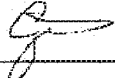
JOINT INVENTION  
(Worldwide Rights)  
Attorney Docket No. C190-0016US  
Client Ref. No. 18-0502-68418

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ADDRESS		CITIZENSHIP


2. WITNESS NAME	WITNESS SIGNATURE	DATE
ADDRESS		CITIZENSHIP

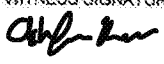
1. FULL NAME OF SECOND ASSIGNOR Gregory Davis	ASSIGNOR'S SIGNATURE 	DATE 30/8/18
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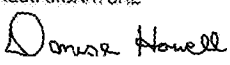
1. WITNESS NAME DARRYL COLLINS	WITNESS SIGNATURE 	DATE 30/8/2018
ADDRESS 2 MOLAWA ST JINDALEE 4074		CITIZENSHIP AUSTRALIAN


2. WITNESS NAME Gordon Mountford	WITNESS SIGNATURE 	DATE 30/8/2018
ADDRESS 166 Trout Rd EVERTON PARK 4053		CITIZENSHIP Australian

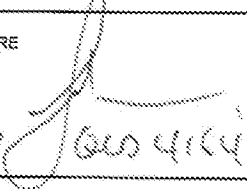
JOINT INVENTION  
(Worldwide Rights)  
Attorney Docket No. C190-0016US  
Client Ref. No. 18-0602-68418

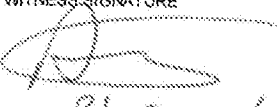
Ryan J. Howell		05/29/2019
ADDRESS 4720 W. 30th Ave., Denver, CO 80212-1633		CITIZENSHIP US

1. WITNESS NAME Ashley Howell	WITNESS SIGNATURE 	DATE 5/28/19
ADDRESS 437 Silverlining Cir. Tabernash, CO 80478		CITIZENSHIP US

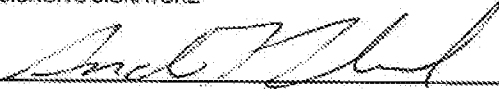
2. WITNESS NAME DENISE HOWELL	WITNESS SIGNATURE 	DATE 5.28.2019
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1. FULL NAME OF FOURTH ASSIGNOR Scott Andrew Kirkman	ASSIGNOR'S SIGNATURE 	DATE 4 Sep 2018
ADDRESS 60 City View Rd., Camp Hill QLD 4152, Australia		CITIZENSHIP AU

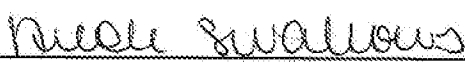
1. WITNESS NAME John Harpour	WITNESS SIGNATURE 	DATE 4/9/18
ADDRESS 8 Wink Fing Mear Thailand 6054164		CITIZENSHIP N.Z.

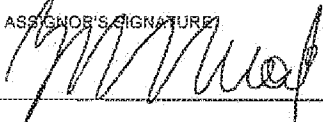
2. WITNESS NAME Aind Ballack	WITNESS SIGNATURE 	DATE 4/9/18
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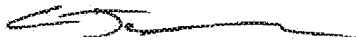
1. FULL NAME OF FIFTH ASSIGNOR	ASSIGNOR'S SIGNATURE	DATE
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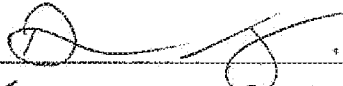
1. FULL NAME OF FIFTH ASSIGNOR Andrew Thiel	ASSIGNOR'S SIGNATURE 	DATE 9/5/2018
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1. WITNESS NAME Elisa Begner	WITNESS SIGNATURE 	DATE 9/5/2018
ADDRESS 21201 W Foster Rd Elmwood, IL 61529		CITIZENSHIP US

2. WITNESS NAME Nicole Swallows	WITNESS SIGNATURE 	DATE 9/5/2018
ADDRESS 536 Oak St Metamora IL 61548		CITIZENSHIP USA

1. FULL NAME OF SIXTH ASSIGNOR	ASSIGNOR'S SIGNATURE	DATE
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1. WITNESS NAME	WITNESS SIGNATURE	DATE
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2. WITNESS NAME	WITNESS SIGNATURE	DATE
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