

PATENT ASSIGNMENT COVER SHEET

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 Stylesheet Version v1.2

EPAS ID: PAT5631685

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
PETER PETRANY	07/22/2019
JACOB C. MALEY	07/22/2019
VAMSI PANNALA	07/22/2019
ROBERT SCOTT MCFARLAND	07/22/2019
RECEIVING PARTY DATA	
Name:	CATERPILLAR INC.
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City:	DEERFIELD
State/Country:	ILLINOIS
Postal Code:	60015
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	16518777
CORRESPONDENCE DATA	
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<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>	
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Address Line 4:	FAIRFAX, VIRGINIA 22030
ATTORNEY DOCKET NUMBER:	19-0293-72058
NAME OF SUBMITTER:	SARA STESNEY
SIGNATURE:	/Sara Stesney/
DATE SIGNED:	07/23/2019
Total Attachments: 5	
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ASSIGNMENT

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

EXCLUDING A COMPONENT OF A WORK MACHINE FROM A VIDEO FRAME BASED ON MOTION INFORMATION

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


WHEREAS, Caterpillar Inc., a corporation of Delaware whose post office address is 510 Lake Cook Road, Suite 100, Deerfield, Illinois 60015, 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;

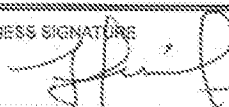
NOW THEREFORE, be it known that for good and valuable consideration the receipt of which from Assignee is hereby acknowledged, I/We, as Assignor(s), have sold, assigned, transferred, and set over, and do hereby sell, assign, transfer, and set over unto the Assignee, its lawful successors and assigns,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

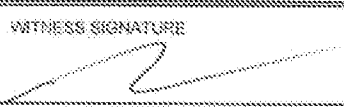
AND, I/WE HEREBY further covenant and agree that I/We will, without further consideration, communicate with Assignee, its successors and assigns, any facts known to me/us respecting this invention, and testify in any legal proceeding, sign all lawful papers when called upon to do so, execute and deliver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

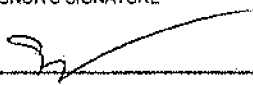
AND, I/WE HEREBY authorize the attorneys/representatives that I/WE have empowered to prosecute this application to insert here in parentheses the country, application number, and official filing date: (US
Application No. 16/518,777, filed July 22, 2019).

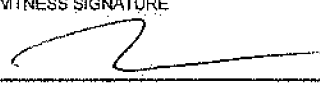
IN TESTIMONY WHEREOF, I/We have hereunto set our hands.


FULL NAME OF SOLE OR FIRST ASSIGNOR Peter PETRANY	ASSIGNOR'S SIGNATURE 	DATE 07/22/19
ADDRESS 11701 N Scotts Trail, Dunlap, IL 61525 US		CITIZENSHIP US

1. WITNESS NAME Hazem Anwar	WITNESS SIGNATURE 	DATE 07/22/19
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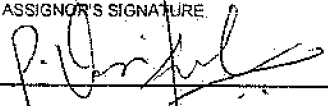
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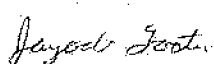
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1. WITNESS NAME Jeremy Voxel	WITNESS SIGNATURE 	DATE 7/22/19
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2. WITNESS NAME ROBERT SCOTT McFARLAND	WITNESS SIGNATURE 	DATE July 22, 2019
ADDRESS 5911 N CEDARCREST G APT 707, PEORIA, ILLINOIS 61615 US	CITIZENSHIP US	

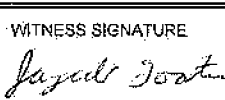
SOLE/JOINT INVENTION
(Worldwide Rights)
Attorney Docket No. 0101-0141
Client Ref. No. 19-0293-72058

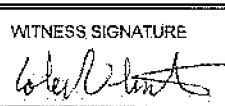
FULL NAME OF ASSIGNOR Vamsi PANNALA	ASSIGNOR'S SIGNATURE 	DATE 07/22/2019
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1. WITNESS NAME Jaycob Foster	WITNESS SIGNATURE 	DATE 07/22/2019
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2. WITNESS NAME Cole Hunt	WITNESS SIGNATURE 	DATE 07/22/2019
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FULL NAME OF ASSIGNOR Robert Scott McFARLAND	ASSIGNOR'S SIGNATURE 	DATE July 22, 2019
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