505064888 08/27/2018 PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT5111644

SUBMISSION TYPE:		NE	EW ASSIGNMENT		
NATURE OF CONVEYANCE:		AS	ASSIGNMENT		
CONVEYING PARTY	DATA				
		Nai	me		Execution Date
AMIT SHARMA					08/15/2018
RECEIVING PARTY	DATA				
Name:	CATER	PILLAR	INC.		
Street Address:	100 N.E	E. ADAM	S STREET		
City:	PEORI	A			
State/Country:	ILLINO	IS			
Postal Code:	61629-9	9510			
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SOLE/JOINT INVENTION (Worldwide Rights) Attorney Docket No. 08350.0459-00000 Client Ref. No. 11-1162

ASSIGNMENT

WHEREAS I/We, the below named inventors, hereinafter referred to as Assignors, have made an invention entitled:

ARTICULATION CONTROL SYSTEM HAVING STEERING PATH TRACKING

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

WHEREAS, CATERPILLAR INC., a corporation of Delaware, whose post office address is Intellectual Property Department, 100 N.E. Adams Street, Peoria, IL 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, 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, **provisional application Serial No. 61/578,073, filed December 20, 2011**, 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 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 (United States Application No. 13/362,167, filed January 31, 2012, now U.S. Patent No. 8,807,261 B2, issued on August 9, 2014).

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

1. FULL NAME OF ASSIGNOR Amit Sharma	ASSIGNOR'S SIGNATURE	date Aug/15/2018
ADDRESS 2010 W. Castlemain Dr., Dunlap, IL	CITIZENSHIP USA	

PATENT REEL: 046712 FRAME: 0021

SOLE/JOINT INVENTION (Worldwide Rights) Attorney Docket No. 08350.0459-00000 Client Ref. No. 11-1162

1. WITNESS NAME Jeffrey L. Kuely	WITNESS SIGNATURE	date 8///5/20/8-
ADDRESS 426 Mackenzie Pl. Ge	montown Hills, IL 61548	CITIZENSHIP
2. WITNESS NAME	WITNESS SIGNATURE	DATE
Brett Janson	But Jamar	8/15/2018
ADDRESS 9808 W. Lamplighter	Ln. Hanne City IL 61536	CITIZENSHIP US

RECORDED: 08/27/2018