

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
Stylesheet Version v1.2

EPAS ID: PAT5866984

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
THOMAS RYAN SMITH	12/11/2019
BRADLEY MORGAN	12/11/2019
MARK WAYNE JARRETT	12/12/2019
SRIKANTH KATAKAM	12/11/2019
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:	16713595
CORRESPONDENCE DATA	
Fax Number:	(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>	
Phone:	5093249256
Email:	janettea@leehayes.com
Correspondent Name:	LEE & HAYES PC
Address Line 1:	601 WEST RIVERSIDE AVENUE
Address Line 2:	SUITE 1400
Address Line 4:	SPOKANE, WASHINGTON 99201
ATTORNEY DOCKET NUMBER:	C190-0085US
NAME OF SUBMITTER:	JANETTE ABERNATHY
SIGNATURE:	/Janette Abernathy/
DATE SIGNED:	12/13/2019
Total Attachments: 5	
source=27R4250#page1.tif	
source=27R4250#page2.tif	

source=27R4250#page3.tif

source=27R4250#page4.tif

source=27R4250#page5.tif

ASSIGNMENT

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

SYSTEM AND METHOD FOR ESTIMATING RING-RELATED PARAMETERS

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;

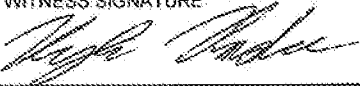
AND, I/WE HEREBY covenant that I/We have the full right to convey the interest assigned by this Assignment, and I/We have not executed and will not execute any agreement in conflict with this Assignment;

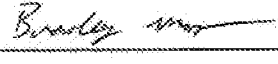
AND, I/WE HEREBY further covenant and agree that I/We will, without further consideration, communicate with Assignee, its successors and assigns, any facts known to me/us respecting this invention, and testify in any legal proceeding, sign all lawful papers when called upon to do so, execute and deliver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

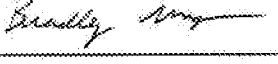
AND, I/WE HEREBY authorize the attorneys/representatives that I/WE have empowered to prosecute this application to insert here in parentheses the country, application number, and official filing date (US Application No. 16/713,595, filed December 13, 2019).

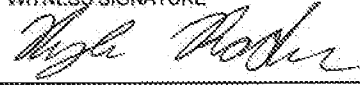
IN TESTIMONY WHEREOF, I/We have hereunto set our hands.

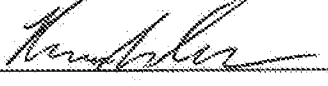
1. FULL NAME OF SOLE OR FIRST ASSIGNOR Thomas Ryan Smith	ASSIGNOR'S SIGNATURE 	DATE 12/11/19
ADDRESS 1221 E Duryea Ave., Apt 202, Peoria Heights, IL 61616		CITIZENSHIP US

1. WITNESS NAME Kyle Rader	WITNESS SIGNATURE 	DATE 12/11/19
ADDRESS 9008 N Scrimshaw Dr, 304 Peoria, IL 61619		CITIZENSHIP USA

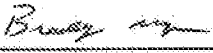
2. WITNESS NAME Bradley Morgan	WITNESS SIGNATURE 	DATE 12/11/19
ADDRESS 520 Fantasy Ln Chillicothe IL 61523		CITIZENSHIP US

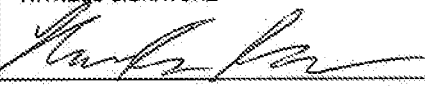
2. FULL NAME OF SECOND ASSIGNOR Bradley Morgan	ASSIGNOR'S SIGNATURE 	DATE 12/11/19
ADDRESS 520 Fantasy Ln., Chillicothe, IL 61523		CITIZENSHIP US

1. WITNESS NAME Kyle Rader	WITNESS SIGNATURE 	DATE 12/11/19
ADDRESS 9008 N. Scrimshaw Dr., 304 Peoria, IL 61615		CITIZENSHIP USA

2. WITNESS NAME Thomas Smith	WITNESS SIGNATURE 	DATE 12/11/19
ADDRESS 1221 E Duryan Ave, 202 Peoria Heights, IL 61616		CITIZENSHIP USA

3. FULL NAME OF THIRD ASSIGNOR Mark Wayne Jarrett	ASSIGNOR'S SIGNATURE 	DATE 12/12/19
ADDRESS 1328 Oak Leaf Lane, Washington, IL 61571		CITIZENSHIP US

1. WITNESS NAME Bradley Morgan	WITNESS SIGNATURE 	DATE 12/12/19
ADDRESS 570 Fantasy Ln, Cahill, IL 61523		CITIZENSHIP US

2. WITNESS NAME Thomas Smith	WITNESS SIGNATURE 	DATE 12/12/19
ADDRESS 1221 E Doyce Ave, 202 Peoria Heights, IL 61616		CITIZENSHIP USA

3. FULL NAME OF THIRD ASSIGNOR Mark Wayne Jarrett	ASSIGNOR'S SIGNATURE	DATE
ADDRESS 1328 Oak Leaf Lane, Washington, IL 61571		CITIZENSHIP US

1. WITNESS NAME	WITNESS SIGNATURE	DATE
ADDRESS		CITIZENSHIP

2. WITNESS NAME	WITNESS SIGNATURE	DATE
ADDRESS		CITIZENSHIP

4. FULL NAME OF FOURTH ASSIGNOR Srikanth Katakam	ASSIGNOR'S SIGNATURE <i>K. Srikanth</i>	DATE 12/11/2019
ADDRESS 2605 W Carlisle Lane, Dunlap, IL 61525		CITIZENSHIP IN

1. WITNESS NAME <i>ZHIFENG HU</i>	WITNESS SIGNATURE <i>Zhifeng Hu</i>	DATE 12/11/2019
ADDRESS 1901 S Calumet Ave Unit 1004 Chicago, IL 60616		CITIZENSHIP US

2. WITNESS NAME <i>Junqiang Wang</i>	WITNESS SIGNATURE <i>[Signature]</i>	DATE <i>12/11/2019</i>
ADDRESS <i>2333 W Murphy Dr.</i>	<i>Dundlap IL 61525</i>	CITIZENSHIP <i>China</i>