PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT3781036

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
CHAD KASSUBE	03/08/2016
BALMES TEJEDA	03/09/2016
CORWIN E STORER	03/08/2016

RECEIVING PARTY DATA

Name:	CATERPILLAR INC
Street Address:	100 NE ADAMS STREET
City:	PEORIA
State/Country:	ILLINOIS
Postal Code:	61629

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	15068647

CORRESPONDENCE DATA

Fax Number: (309)675-1236

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.

Phone: 3096755140

Email: us_docket_clerk@cat.com

Correspondent Name: CATERPILLAR INC.

Address Line 1: 100 NE ADAMS STREET

Address Line 4: PEORIA, ILLINOIS 61629

ATTORNEY DOCKET NUMBER:	15-2889
NAME OF SUBMITTER:	MOHSIN SHAIKH
SIGNATURE:	/MOHSIN SHAIKH/
DATE SIGNED:	03/14/2016

Total Attachments: 6

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PATENT REEL: 037962 FRAME: 0272

ASSIGNMENT

WHEREAS we, the below named inventors, (hereinafter referred to as Assignors), have made an invention entitled:

POWERTRAIN SYSTEM FOR MAINTAINING RIMPULL PERFORMANCE OF MACHINE

for which we will or have filed a patent application; and

WHEREAS, Caterpillar Inc., a Delaware corporation having a place of business at 100 NE Adams Street, Peoria, IL 61629, 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, we, as Assignors, have sold, assigned, transferred, and set over, and do hereby sell, assign, transfer, and set over unto the Assignee, its lawful successors and assigns, 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 reissues thereof; and 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, WE HEREBY covenant that we have the full right to convey the interest assigned by this Assignment, and we have not executed and will not execute any agreement in conflict with this Assignment;

AND, WE HEREBY further covenant and agree that we will, without further consideration, communicate with Assignee, its successors and assigns, any facts known to 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, WE HEREBY authorize t to insert here in parentheses the counting filed	ne attorneys/representatives that we have empower y, application number, and official filing date (ered to prosecute this application Application No.
IN TESTIMONY WHEREOF, w	e have hereunto set our hands.	
FULL NAME OF FIRST ASSIGNOR Chad L. Kassube	ASSIGNOR'S SIGNATURE	DATE 3/8/2016
ADDRESS		CITIZENSHIP
508 W. Hudson, Peoria, IL 61604, US	A	us

Page 1 of 2

PATENT REEL: 037962 FRAME: 0273

1. WITNESS NAME ROBERT RICHMON	rd Relative	DATE 3/8/2016
ADDRESS COCINTY SIG	le Dr meramara 12 0	61548 CITIZENSHIP
2. WITNESS NAME	ANTENSOS OFONATURE	
Richard L. Fulcher	R WITNESS SIGNATURE WITNESS SIGNATURE	8 MARZO16
ADDRESS 5617 Failmont		CITIZENSHIP
Proka, IL	6/614	

ASSIGNMENT

WHEREAS we, the below named inventors, (hereinafter referred to as Assignors), have made an invention entitled

POWERTRAIN SYSTEM FOR MAINTAINING RIMPULL PERFORMANCE OF MACHINE

for which we will or have filed a patent application; and

WHEREAS, Caterpillar Inc., a Delaware corporation having a place of business at 100 NE Adams Street, Peoria, IL 61629 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, we, as Assignors, have sold, assigned, transferred, and set over, and do hereby sell, assign, transfer and set over unto the Assignee, its lawful successors and assigns, 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 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, WE HEREBY covenant that we have the full right to convey the interest assigned by this Assignment, and we have not executed and will not execute any agreement in conflict with this Assignment;

AND, WE HEREBY further covenant and agree that we will, without further consideration, communicate with Assigned, its successors and assigns, any facts known to 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 Assigned, its successors and assigns;

	ND, WE HEREBY authorize the attorneys/representatives that we have empowered to p	rosecute this application
to insert	pere in parentheses the country, application number, and official filing date (Application No.
	. filed).	
	N TESTIMONY WHEREOF, we have hereunto set our hands.	
	The state of the s	
<u> </u>		

2. FULL NAME OF SECOND ASSIGNOR	ASSIGNOR'S SIGNATURE	DATE
Balmes Tejeda	Blun Zo	March 9, 2016
ADDRESS		CITIZENSHIP
10426 N Schopp Ln, Peoria, IL 61615, USA		us

Page 1 df 2

1. WITNESS NAME Ry Whithmator	WITNESS SIGNATURE	DATE 3/9/2016
ADDRESS 102 Harpton	Way	CITIZENSHIP
Morton IL	61550	
		<u> </u>
2: WITHESS NAME	WITNESS SIGNATURE	DATE
Anthony Sanders	antho Cando	3/9/2016
ADDRESS 1710 N Benedic	+ S+	citizenship Amer.can
Chillicothe II	61523	

ASSIGNMENT

WHEREAS we, the below named inventors, (hereinafter referred to as Assignors), have made an invention entitled:

POWERTRAIN SYSTEM FOR MAINTAINING RIMPULL PERFORMANCE OF MACHINE

for which we will or have filed a patent application; and

201 S Cameron Lane, Bartonville, IL 61607, USA

WHEREAS, Caterpillar Inc., a Delaware corporation having a place of business at 100 NE Adams Street, Peoria. IL 61629, 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, we, as Assignors, have sold, assigned, transferred, and set over, and do hereby sell, assign, transfer, and set over unto the Assignee, its lawful successors and assigns, 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 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, WE HEREBY covenant that we have the full right to convey the interest assigned by this Assignment, and we have not executed and will not execute any agreement in conflict with this Assignment;

AND, WE HEREBY further covenant and agree that we will, without further consideration, communicate with Assignee, its successors and assigns, any facts known to 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;

	ne attorneys/representatives that we have empory, application number, and official filing date ().	wered to prosecute this application No.
IN TESTIMONY WHEREOF, w	e have hereunto set our hands.	
3. FULL NAME OF THIRD ASSIGNOR Corwin E. Storer	ASSIGNOR'S SIGNATURE	DATE 3/8/2016
ADDRESS		CITIZENSHIP

Page 1 of 2

PATENT REEL: 037962 FRAME: 0277

US

1. WITNESS NAME	WITNESS SIGNATURE	DATE
Zachan, Wenland		3/8/2016
ADDRESS 5114 North Sunnyside	Care	CITIZENSHIP USA
Perria, IL 61814		
2 WITNESS NAME SANGANGHUAR SON	WITNESS SIGNATURE	DATE
	"I Some	2012016
ADDRESS SOIN GARDEN DY		CITIZENSHIP
300 NO 1 11 - 61 61 C		\$\$\$\$\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\

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