504051353 10/14/2016

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
CURTIS GRAHAM	10/13/2016
DANIEL CAVANAUGH	10/13/2016

RECEIVING PARTY DATA

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

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	15294045

CORRESPONDENCE DATA

Fax Number:

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: 3176147329

Email: Jonathan.Yates@mbcblaw.com

Correspondent Name: CATERPILLAR INC./MATTINGLY BURKE COHEN &

Address Line 1: 100 N.E. ADAMS STREET

Address Line 2: AH 9510

Address Line 4: PEORIA, ILLINOIS 61629-9510

ATTORNEY DOCKET NUMBER:	16-1495
NAME OF SUBMITTER:	JONATHAN F. YATES
SIGNATURE:	/JONATHAN F. YATES/
DATE SIGNED:	10/14/2016

Total Attachments: 2

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PATENT 504051353 REEL: 040021 FRAME: 0220

ASSIGNMENT

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

PRECHAMBER IGNITION DEVICE FOR INTERNAL COMBUSTION ENGINE, AND METHOD

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

WHEREAS, Caterpillar Inc., a corporation of the State of Delaware, whose post office address is 100 NE Adams St., Peoria, IL 61629 (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 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, 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 extensions, renewals, and reissues thereof; and I 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 coverant 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 Assignee or the	attorneys/representative	s of Assignee	e to insert here in pare	entheses
the country, application number, and official filing date	(US Applic	cation No		
October 14, 2016).	· ·			

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

DATE
10/13/2016
CITIZENSHIP US

1	7	
1. WITNESS NAME	WITNESS SIGNATURE	DATE
NGWENBAD CHU	1000	10/13/16
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, 8		
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· ·	*	
2. FULL NAME OF SECOND ASSIGNOR, IF ANY	ASSIGNOR'S SIGNATURE	DATE
	26 / 200	Je line les
Daniel Cavanaugh		14/13/16
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	ı	7
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Page 2 of 2

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