505230406 12/11/2018

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2

EPAS ID: PAT5277176

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
CHRISTIAN SABOTTA	09/25/2018
JOHN M. MASHAK	09/25/2018
TYLER J. DAVIS	09/25/2018

RECEIVING PARTY DATA

Name:	CATERPILLAR INC.
Street Address:	510 LAKE COOK ROAD, SUITE 100
City:	DEERFIELD
State/Country:	ILLINOIS
Postal Code:	60015

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	16209321

CORRESPONDENCE DATA

Fax Number: (312)616-5700

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: (312) 616-5600

Email: assignments@leydig.com PAMELA J. RUSCHAU **Correspondent Name:**

Address Line 1: LEYDIG, VOIT & MAYER, LTD.

Address Line 2: 180 NORTH STETSON AVE., SUITE 4900

Address Line 4: CHICAGO, ILLINOIS 60601-6731

ATTORNEY DOCKET NUMBER:	740069 (18-0599-68413)
NAME OF SUBMITTER:	PAMELA J. RUSCHAU
SIGNATURE:	/Pamela J. Ruschau/
DATE SIGNED:	12/11/2018

Total Attachments: 6

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source=Executed Assignment-Inventors to Cat#page6.tif

ASSIGNMENT

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

CRANKSHAFT SEAL DESIGN

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, IL 60015 (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 caths 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 HE	REBY authorize Assignee	or the attorneys/represer	statives of Assignee to	insert here in
parentheses the count	ry, application number, and	d official filing date (U.S. F	Patent Application No.	16/209,321
filed December 4, 2	2018).			

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

page 1 of 2

PATENT

REEL: 047744 FRAME: 0371

FULL NAME OF ASSIGNOR Christian Sabotta	ASSIGNOR'S SIGNATURE	DATE 9/25/18
ADDRESS 405 Nore 41	Sieret	CITIZENSHIP U.S. A.
Wasking town !	2 61571	

1. WITNESS NAME Taylor Arrington	WITNESS SIGNATURE Jan La Osint	DATE 9/25/18
ADDRESS 1937 Stanerid	g e	CITIZENSHIP 24:54
Washington, IL	61571	

2. WITNESS NAME	WITNESS SIGNATURE	DATE
Contherine lives	4 Ano hound hoo	19-25-18
ADDRESS	the state of the s	CITIZENSHIP
1330 W Treating	\(\)	USA
Durla Ic Ci	5 95	

ASSIGNMENT

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

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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 autho	rize Assignee or the atto	rneys/representatives of A	ssignee to insert here in
parentheses the country, application	n number, and official fili	ng date (U.S. Patent Appli	cation No. 16/209,321
filed December 4, 2018		pro se. Occurred cooking from the property of the end of the contraction of the	1940, 1956 - 1956, 1966 - 18, 1966 - 18, 1966 - 1966 - 1966 - 1966 - 1966 - 1966 - 1966 - 1966 - 1966 - 1966 -

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

page 1 of 2

1. FULL NAME OF ASSIGNOR John M. Mashak	ASSIGNOR'S SIGNATURE	DATE 09-25-208
ADDRESS 1801 West Chemalical	Drive APT 8214	CITIZENSHIP USA
leonia IL, G/6/5		

1. WITNESS NAME Chadd Taylor	WITNESS SIGNATURE	DATE 9-25-18
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Dunlap, IL 6005		

2. WITNESS NAME Ryan Passage	Hym Passage	DATE 9-25-18
1320 E. Sammel Av	4	CITIZENSHIP. USA
Peoria Heights I	2, 6/6/6	

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

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AND, I/WE HEREBY authorize Assignee or the attorneys/representatives of Assignee to	insert here in
parentheses the country, application number, and official filing date (U.S. Patent Application No.	16/209,321
filed <u>December 4, 2018</u>).	

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

FULL NAME OF ASSIGNOR Tyler J. Davis	ASSIGNOR'S SIGNATURE	DATE 9/25-118
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1. WITNESS NAME GEG O. POTTS	WITNESS SIGNATURE	DATE 9/25/18
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2. WITNESS NAME BARBARA J GLAVIL	WITNESS SIGNATURE Carban Mane	DATE 25 SEP 2018
MODRESS 11009 N. State Couk 91		CITIZENSHIP U.S.A.
Dunly, 16 61525-97		

page 2 of 2

RECORDED: 12/11/2018