505199382 11/20/2018

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 EPAS ID: PAT5246151 Stylesheet Version v1.2

 SUBMISSION TYPE:
 NEW ASSIGNMENT

 NATURE OF CONVEYANCE:
 ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
ANTONY J. EAGER	05/20/2016
BEN DARLEY	05/20/2016

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:	16303335

CORRESPONDENCE DATA

Fax Number: (312)977-9959

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: 312-977-9903

Email: cramirez@millermatthiashull.com

Correspondent Name: CATERPILLAR/ MILLER, MATTHIAS & HULL LLP

Address Line 1: ONE NORTH FRANKLIN STREET

Address Line 2: SUITE 2350

Address Line 4: CHICAGO, ILLINOIS 60606

ATTORNEY DOCKET NUMBER: 50100/16-0101-70430

NAME OF SUBMITTER: THOMAS A. MILLER

SIGNATURE: /Thomas A. Miller/

DATE SIGNED: 11/20/2018

Total Attachments: 2

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PATENT 505199382 REEL: 047553 FRAME: 0668

SOLE/JOINT INVENTION (Worldwide Rights) Attorney Docket No. **P146562GB00** Client Ref. No. **16-0101**

ASSIGNMENT

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

METHOD OF CONTROLLING OPERATION OF AN EXHAUST GAS TREATMENT APPARATUS

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

Application No. ______, filed ______).

WHEREAS, Caterpillar Inc., a corporation of Delaware, whose post office address is 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, 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 (

IN TESTIMONY WHEREOF, I/We have hereunto set our hands.				
FULL NAME OF SOLE OR FIRST ASSIGNOR ANTONY J. EAGER	ASSIGNOR'S SIGNATURE	DATE 20 MAY 2016		
ADDRESS 51 THORPE PARK ROAD, P	ETERBOROVEH	CITIZENSHIP BRITISH		
U.K. PE3 6L;	T			

Page 1 of 2

SOLE/JOINT INVENTION (Worldwide Rights) Attorney Docket No. **P146562GB00** Client Ref. No. **16-0101**

1. WITNESS NAME	WITHES SIGNATURE	DATE
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		p
2. FULL NAME OF SECOND ASSIGNOR, IF ANY	ASSIGNOR'S SIGNATURE	DATE
BEN DARLEY		20/5/16
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T		1
1. WITNESS NAME	WITNESS SIGNATURE	DATE
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D WITNESS WATE		WATER CONTROL OF THE
2. WITNESS NAME SAMES HANSON	WITNESS SIGNATURE	DATE TO AN AND AND
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RECORDED: 11/20/2018