502247387 02/28/2013

PATENT ASSIGNMENT

Electronic Version v1.1 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
Jacob K. Ludeman	12/19/2012
Brian J. DeCaires	02/25/2013

RECEIVING PARTY DATA

Name:	Caterpillar Inc.
Street Address:	100 N.E. Adams Street
City:	Peoria
State/Country:	ILLINOIS
Postal Code:	61629-6490

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	13727203

CORRESPONDENCE DATA

Fax Number: 3126165700

Correspondence will be sent via US Mail when the fax attempt is unsuccessful.

Phone: (312) 616-5748

Email: assignments@leydig.com

Correspondent Name: J. Karl Gross

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: 710682

NAME OF SUBMITTER: J. Karl Gross

Total Attachments: 3

source=Executed Assignment#page1.tif source=Executed Assignment#page2.tif source=Executed Assignment#page3.tif

> PATENT REEL: 029894 FRAME: 0414

CH \$40.00 13/2/20

SOLE/JOINT INVENTION (Worldwide Rights) Attorney Docket No. 710682 Client Ref. No. 12-0395

ASSIGNMENT

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

EXHAUST GAS AFTERTREATMENT MODULE

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

WHEREAS, Caterpillar Inc., a corporation of **Delaware** whose post office address is **100** N.E. Adams Street, **Peoria**, IL **61629-6490** (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 a	uthorize Assignee or the attorneys/representatives of Assignee to insert here	in
parentl	neses the country, applic	cation number, and official filing date (U.S. Patent Application No. <u>13/727,2</u>	<u>03 </u>
filed	December 26, 2012).	

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

page 1 of 3

PATENT REEL: 029894 FRAME: 0415

SOLE/JOINT INVENTION (Worldwide Rights) Attorney Docket No. 710682 Client Ref. No. 12-0395

1. FULL NAME OF SOLE OR FIRST ASSIGNOR	ASSIGNOR'S SIGNATURE	DATE
Jacob K. Ludeman	Jacob K Lindsonan	12/19/12
ADDRESS		CITIZENSHIP
4908 S, Sir Lionel Ct, 11	apleton, IL 61547	24.54
1. WITNESS NAME	WITNESS SIGNATURE	DATE
Yurtis Chenoweth	Water Manual 12	12-19-12
ADDRESS		CITIZENSHIP
1029 North Main base Road	. Ionua IL 61441	4577
2. WITNESS NAME	WITNESS SIGNATURE	DATE
Scott Meger	1/24- M44	12-19-20/2 CITIZENSHIP
ADDRESS		*
1181 Coulty Kond 100	20 N Euroka 16653	1/159

SOLE/JOINT INVENTION (Worldwide Rights) Attorney Docket No. 710682 Client Ref. No. 12-0395

1. FULL NAME OF SECOND ASSIGNOR, IF ANY	ASSIGNOR'S SIGNATURE	DATE
Brian J. DeCaires	Para Alexander	2/25/13
ADDRESS	ASSIGNOR'S SIGNATURE Bein De Coupes Or. Cyprus, TX 77433	CITIZENSHIP
	1 (June 7 2 77422	
20918 Twisted Ceat	Dr. Cypiess, 1X 11433	USA
	·	
1. WITNESS NAME	WITNESS SIGNATURE	DATE
ADDRESS		CITIZENSHIP
2. WITNESS NAME	WITNESS SIGNATURE	DATE
ANDSEAD		CITIZENSHIP
ADDRESS		
ADDKE22		

page 3 of 3

PATENT REEL: 029894 FRAME: 0417