

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
Stylesheet Version v1.2

EPAS ID: PAT5377173

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
PENG QUAN	01/16/2019
JUSTIN KOSIK	01/16/2019
COREY BERTCH	01/16/2019
ERIC CARUTH	01/16/2019
RECEIVING PARTY DATA	
Name:	DETROIT DIESEL CORPORATION (DDC)
Street Address:	1340 OUTER DRIVE
City:	DETROIT
State/Country:	MICHIGAN
Postal Code:	48239-4001
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	16314838
CORRESPONDENCE DATA	
Fax Number:	(202)628-8844
<i>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.</i>	
Phone:	202-624-2500
Email:	edocket@crowell.com, abaland@crowell.com
Correspondent Name:	CROWELL & MORING LLP INTELLECTUAL PROPERTY GROUP
Address Line 1:	P.O. BOX 14300
Address Line 4:	WASHINGTON, D.C. 20044-4300
ATTORNEY DOCKET NUMBER:	095309.PB812US
NAME OF SUBMITTER:	ROBERT L. GRABAREK, JR.
SIGNATURE:	/Robert L. Grabarek, Jr./
DATE SIGNED:	02/14/2019
	This document serves as an Oath/Declaration (37 CFR 1.63).
Total Attachments: 4	
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ASSIGNMENT AND DECLARATION UNDER 37 C.F.R. § 1.63
(For Use with Signed Application Data Sheet)

Title of Invention: Mixing Device and Aftertreatment Device

This assignment and declaration are directed to (check one):

- the application identified above by the attorney docket no. and title of invention
- PCT International Application Number PCT/EP2017/000738, filed June 26, 2017
- United States Application No. _____, filed _____

ASSIGNMENT

For good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, as a below named inventor I have sold and assigned, and by these presents hereby sell and assign, unto:

Name of Assignee: **Detroit Diesel Corporation (DDC)**

Address of Assignee: **1340 Outer Drive, Detroit, Michigan 48239-4001**

(hereinafter ASSIGNEE) all my right, title and interest for the United States, its territories and possessions in and to the above-identified invention and United States patent application, including any and all divisions or continuations thereof, and in and to any and all Letters Patent of the United States which may issue on any such application or for said invention, including any and all reissues or extensions thereof, to be held and enjoyed by said ASSIGNEE, its successors or assigns to the full end of the term or terms for which any and all such Letters Patent may be granted as fully and entirely as would have been held and enjoyed by me had this Assignment not been made.

I hereby authorize and request the Director of the U.S. Patent and Trademark Office to issue any and all such Letters Patent to said ASSIGNEE, its successors or assigns in accordance herewith.

I warrant and covenant that I have the full and unencumbered right to sell and assign the interests herein sold and assigned and that I have not executed and will not execute any document or instrument in conflict herewith.

I further covenant and agree that I will communicate to said ASSIGNEE, its successors, legal representatives or assigns all information known to me relating to said invention or patent application and that I will execute and deliver any papers, make all rightful oaths, testify in any legal proceedings and perform all other lawful acts deemed necessary or desirable by said ASSIGNEE, its successors, legal representatives or assigns to perfect title to said invention, to said application including divisions and continuations thereof and to any and all Letters Patent which may be granted therefor or thereon, including reissues or extensions, in said ASSIGNEE, its successors or assigns, or to assist said ASSIGNEE, its successors, legal representatives or assigns in obtaining, reissuing or enforcing Letters Patent of the United States for said invention.

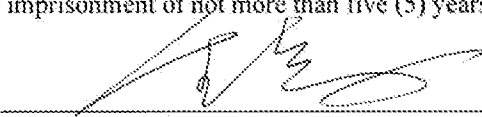
DECLARATION

As a below named inventor, I hereby declare that:

The above-identified application was made or authorized to be made by me.

I believe that I am the original inventor or an original joint inventor of a claimed invention in the application.

I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine or imprisonment of not more than five (5) years, or both.

Signature: 
Inventor: **Peng QUAN**

7/16/2019
DATE

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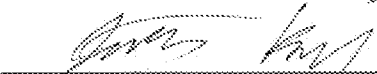
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Signature:  1/16/19
 Inventor: Justin KOSIK DATE

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Signature:  _____ 1/16/19
Inventor: Eric CARUTH DATE