

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
Stylesheet Version v1.2

EPAS ID: PAT6938909

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
CARLOS ALCIDES LANA	08/01/2019
YILUN LIU	08/04/2019
PHILIPPE F. SAAD	09/05/2019
GANESH RAGHUNATH	08/02/2019
RECEIVING PARTY DATA	
Name:	CUMMINS INC.
Street Address:	500 JACKSON STREET
City:	COLUMBUS
State/Country:	INDIANA
Postal Code:	47201
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	17449004
CORRESPONDENCE DATA	
Fax Number:	(317)713-3699
<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:	13177133500
Email:	Taft-IP-Docket@taftlaw.com
Correspondent Name:	DOUGLAS A. COLLIER
Address Line 1:	TAFT STETTINIUS & HOLLISTER LLP
Address Line 2:	ONE INDIANA SQUARE, SUITE 3500
Address Line 4:	INDIANAPOLIS, INDIANA 46204-2023
ATTORNEY DOCKET NUMBER:	CECO-01982
NAME OF SUBMITTER:	LISA SCHODROWSKI
SIGNATURE:	/Lisa Schodrowski/
DATE SIGNED:	09/28/2021
Total Attachments: 13	
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ASSIGNMENT OF PATENT RIGHTS

WHEREAS, the below named persons (hereinafter referred to as "Assignors") have made one or more new and useful inventions or discoveries in **METHOD, APPARATUS, AND SYSTEM FOR CONTROLLING NATURAL GAS ENGINE OPERATION BASED ON FUEL PROPERTIES** (hereinafter collectively referred to as "the Invention") for which U.S. Provisional Application No. 62/842,144 was filed on May 2, 2019 and for which one or more other U.S., foreign or international patent applications has been filed, or may in the future be filed;

WHEREAS, Cummins Inc. (hereinafter referred to as "Assignee") a legal entity organized under the laws of Indiana, desires to acquire the entire right, title and interest in, to and under the Invention and any and all United States, foreign and international patent applications and patents which claim, disclose and/or describe the Invention; and

NOW, THEREFORE, for good, valuable and sufficient consideration to the Assignors, the receipt and sufficiency of which are hereby acknowledged, Assignors and Assignee agree as follows:

A. Assignment of Patent Rights

Assignors hereby assign and transfer to Assignee, its successors and assigns, the entire right, title, and interest in, to and under (i) the Invention, (ii) any and all United States, foreign and/or international patent applications which claim, disclose, or describe subject matter of the Invention including, without limitation, the application referenced herein above, (iii) any and all continuations, continuations-in-part, divisionals, foreign counterparts, reexaminations, reissues, extensions and applications claiming the benefit of or priority to any of the foregoing, (iv) any and all rights to claim priority to any of the foregoing, and (v) any and all rights to bring an action under, receive and collect damages for infringement of any of the foregoing, receive injunctive relief for infringement of any of foregoing (hereinafter collectively referred to as "the Assigned Patent Rights").

Assignors acknowledge and agree that the Assigned Patent Rights include any and all future applications not filed at the time of execution of this agreement which disclose, describe and/or claim subject matter of the Invention, or which claim priority to or the benefit of an application or patent which discloses, describes and/or claims subject matter of the Invention. With respect to such future applications, Assignors hereby authorize Assignee, its attorneys, or its agents to append information identifying such applications as an Exhibit A to this document at the discretion of Assignee, its counsel, or its agents.

B. Agreement to Execute Additional Documents and Provide Further Assistance

Assignors agree to execute any and all other documents necessary or desirable to document, memorialize or perfect Assignee's interest in the Assigned Patent Rights and to execute any and all other documents and to provide any further assistance necessary or desirable for the procurement of patent rights on the above referenced invention in the United States and all foreign countries.

C. Binding, Complete and Enforceable Agreement

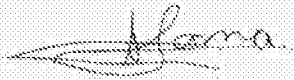
Assignors acknowledge that (i) this is an enforceable agreement; (ii) this agreement embodies the entire and only understanding between Assignors and Assignee with respect to the subject matter of this agreement; (iii) no oral explanation or oral information by either party hereto shall alter the meaning or interpretation of this agreement; and (iv) if any provision of this agreement is held to be unlawful or unenforceable, such provision shall be limited or eliminated to the minimum extent necessary so that the remainder of this agreement will continue in full force and effect and be enforceable.

D. Execution

This agreement may be executed in counterparts or duplicate originals, both of which shall be regarded as one and the same instrument, and which shall be the official and governing version in the interpretation of this agreement. This agreement may be executed by facsimile signatures or other electronic means and such signatures shall be deemed binding as if they were original signatures.

[Signature Pages Follow]

Signed and executed this ____ 1 ____ day of ____ August _____, 2019.



Carlos Alcides Lana

Signed and executed this ____ day of _____, 2019.

Yilun Liu

Signed and executed this ____ day of _____, 2019.

Philippe F. Saad

Signed and executed this ____ day of _____, 2019.

Ganesh Raghunath

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[Signature Pages Follow]

Signed and executed this _____ day of _____, 2019.

Carlos Alcides Lana

Signed and executed this 1st day of August, 2019.

Yilun Liu
Yilun Liu

Signed and executed this _____ day of _____, 2019.

Philippe F. Saad

Signed and executed this _____ day of _____, 2019.

Ganesh Raghunath

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[Signature Pages Follow]

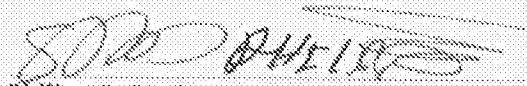
Signed and executed this _____ day of _____, 2019.

Carlos Alcides Lana

Signed and executed this _____ day of _____, 2019.

Yilun Liu

Signed and executed this _____ day of 09/05/ _____, 2019.



Philippe F. Saad

Signed and executed this _____ day of _____, 2019.

Ganesh Raghunath

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[Signature Pages Follow]

Signed and executed this _____ day of _____, 2019.

Carlos Alcides Lana

Signed and executed this _____ day of _____, 2019.

Yilun Liu

Signed and executed this _____ day of _____, 2019.

Philippe F. Saad

Signed and executed this 2nd day of AUGUST, 2019.



Ganesh Raghunath

EXHIBIT A – TO ASSIGNMENT OF PATENTS

Country	Application No.	Date of Application	Title	Attorney Docket No.
US	17/449,004	September 27, 2021	METHOD, APPARATUS, AND SYSTEM FOR CONTROLLING NATURAL GAS ENGINE OPERATION BASED ON FUEL PROPERTIES	CECO-01982