

PATENT ASSIGNMENT COVER SHEET

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EPAS ID: PAT7462235

SUBMISSION TYPE:	CORRECTIVE ASSIGNMENT
NATURE OF CONVEYANCE:	Corrective Assignment to correct the NAMING OF ONLY ONE CONVEYING INVENTOR WHEN THERE WERE TWO. previously recorded on Reel 060321 Frame 0530. Assignor(s) hereby confirms the INVENTORS SHOULD BE J. STEVEN KOLHOUSE AND AVRA BRAHMA.
CONVEYING PARTY DATA	
Name	Execution Date
J. STEVEN KOLHOUSE	06/02/2022
AVRA BRAHMA	06/11/2022
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:	17544568
CORRESPONDENCE DATA	
Fax Number:	
<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>	
Email:	jbarfield@foley.com, ipdocketing@foley.com
Correspondent Name:	FOLEY & LARDNER LLP
Address Line 1:	3000 K STREET, N.W., SUITE 600
Address Line 4:	WASHINGTON, D.C. 20007
ATTORNEY DOCKET NUMBER:	106389-6921
NAME OF SUBMITTER:	JASMINE L. BARFIELD
SIGNATURE:	/JASMINE L. BARFIELD/
DATE SIGNED:	08/01/2022
Total Attachments: 5	
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PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1

Stylesheet Version v1.2

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
J. STEVEN KOLHOUSE	06/02/2022
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:	17544568
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Fax Number:	
Email:	jbarfield@foley.com, ipdocketing@foley.com
<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>	
Correspondent Name:	FOLEY & LARDNER LLP

Address Line 1:	3000 K STREET, N.W., SUITE 600
Address Line 4:	WASHINGTON, D.C. 20007
ATTORNEY DOCKET NUMBER:	106389-6921
NAME OF SUBMITTER:	JASMINE L. BARFIELD
Signature:	/JASMINE L. BARFIELD/
Date:	06/27/2022
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Cummins Inc.
500 Jackson Street
Columbus, Indiana 47201

(hereinafter referred to singly and collectively as "ASSIGNEE") its successors and assigns, the full and exclusive right, title and interest for the United States, its territories and possessions, and all foreign countries in and to this invention relating to

**SYSTEMS AND METHODS TO MINIMIZE EMISSIONS SPIKES WHEN REACTIVATING
OR DEACTIVATING A COMBUSTION CYLINDER**

as set forth in this United States Patent Application

check one ☐ executed concurrently herewith,
 ☐ executed on _____,
 ☒ Serial No. 17/544568 Filed 12/7/2021

as well as in and to (a) all improvements and modifications of the above-identified invention or inventions, (b) the above-identified application and all other applications for Letters Patent of the United States and countries foreign thereto for above-identified invention or inventions and all improvements and modifications thereof, (c) all Letters Patent which may issue from said applications in the United States and countries foreign thereto, (d) all divisions, continuations, reissues, and extensions of said applications and Letters Patent, and (e) the right to claim for any of said applications the full benefits and priority rights under the Patent Cooperation Treaty, the Paris Convention and any other international agreement; such right, title, and interest to be held and enjoyed by ASSIGNEE, its successors and 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 ASSIGNOR had this Assignment not been made.

ASSIGNOR HEREBY AUTHORIZES ASSIGNEE to file patent applications in any or all countries on the above-identified invention or inventions in the name of the undersigned, in the name of ASSIGNEE, or otherwise as ASSIGNEE may deem advisable under the International Convention or otherwise.

ASSIGNOR HEREBY AUTHORIZES AND REQUESTS the Commissioner of Patents and Trademarks to issue said Letters Patent to ASSIGNEE for the use and benefit of ASSIGNEE, its successors, and assigns.

ASSIGNOR HEREBY AGREES (a) to communicate to ASSIGNEE, its successors and assigns, or their representative or agents, all facts and information known or available to ASSIGNOR respecting said invention or inventions, improvements, and modifications including evidence for interference, reexamination, reissue, opposition, revocation, extension, or infringement purposes or other legal, judicial, or administrative proceedings, whenever requested by ASSIGNEE; (b) to testify in person or by affidavit as required by ASSIGNEE, its successors and assigns, in any such proceeding in the United States or a country foreign thereto; (c) to execute and deliver, upon request by ASSIGNEE, all lawful papers including, but not limited to, original, divisional, continuation, and reissue applications, renewals, assignments, powers of attorney, oaths, affidavits, and declarations, depositions; and (d) to provide all reasonable assistance to ASSIGNEE, its successors and assigns, in obtaining and enforcing proper title in and protection for said invention or inventions, improvements, and modifications under the intellectual property laws of the United States and countries foreign thereto.

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ASSIGNOR HEREBY GRANTS to the law firm of **Foley & Lardner LLP** the power and authority to insert in this Assignment any further identification which may be necessary or desirable to comply with the rules of the U.S. Patent and Trademark Office for recordation of this Assignment.

ASSIGNOR UNDERSTANDS AND AGREES that the attorneys and agents of the law firm of **Foley & Lardner LLP** do not personally represent ASSIGNOR OR ASSIGNOR's legal interests, but instead represent the interests of ASSIGNEE; since said attorneys and agents cannot provide legal advice to ASSIGNOR with respect to this Assignment, ASSIGNOR acknowledges its right to seek its own independent legal counsel.

Executed this 11th day of June, 2022


AVRA BRAHMA

Executed this 2nd day of June, 2022


J. STEVEN KOLHOUSE