505265875 01/07/2019

EPAS ID: PAT5312647

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
ANTHONY KYLE PERFETTO	12/16/2015
SAMUEL C. GECKLER	12/21/2015
HONGFENG H. WANG	02/15/2016

RECEIVING PARTY DATA

Name:	CUMMINS INC.
Street Address:	500 JACKSON STREET
City:	COLUMBUS
State/Country:	ОНЮ
Postal Code:	47202

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	16241671

CORRESPONDENCE DATA

Fax Number: (317)713-3699

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.

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taft-ip-docket@taftlaw.com Email:

CUMMINS INC. TAFT, STETTINIUS & HOLLISTER LLP **Correspondent Name:**

Address Line 1: ONE INDIANA SQUARE

Address Line 2: **SUITE 3500**

Address Line 4: INDIANAPOLIS, INDIANA 46204-2023

ATTORNEY DOCKET NUMBER: CECO-1644 **NAME OF SUBMITTER:** /TIANA L. POWELL/ SIGNATURE: /Tiana L. Powell/ **DATE SIGNED:** 01/07/2019

Total Attachments: 5

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> **PATENT** REEL: 047922 FRAME: 0202 505265875

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PATENT REEL: 047922 FRAME: 0203

ASSIGNMENT

WHEREAS, Anthony Kyle Perfetto, Samuel C. Geckler, and Hongfeng H. Wang hereinafter referred to as Assignors, have made one or more new and useful inventions in ENGINE ARRANGEMENTS WITH EGR SYSTEMS for which one or more United States patent applications, international patent applications, and/or foreign patent applications have been or will be filed; and

WHEREAS, Cummins Inc., hereinafter referred to as Assignee, a corporation of the State of Indiana, having a principal place of business at 500 Jackson Street, Columbus, Indiana 47202 desires to acquire all of the entire right, title and interest in, to and under the one or more inventions disclosed, described and claimed or intended so to be in such applications, and in, to and under the applications, and in, to and under any and patents, United States and foreign, which may be obtained therefore and thereon;

NOW, THEREFORE, to all whom it may concern, be it known that for and in consideration of the sum of One Dollar (\$1.00) and other good, valuable and sufficient consideration to Assignors in hand paid, the receipt of which is hereby acknowledged, Assignors have sold, assigned and transferred, and by these presents do sell, assign and transfer unto Assignee, all of the entire right, title, and interest in, to and under the one or more inventions disclosed, described and claimed or intended so to be in U.S. Application No. 62/187,908, filed July 2, 2015 and entitled ENGINE ARRANGEMENTS WITH EGR SYSTEMS (hereinafter the "Application"), and any and all other applications thereon or arising therefrom, whether now filed or in the future filed, including any and all applications claiming the benefit of the Application, divisions, continuations, continuations-in-part, and foreign counterparts thereof, and

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PATENT REEL: 047922 FRAME: 0204 any and all patents to be issued and obtained therefor or thereon, United States and foreign, including all reissues and extensions thereof.

With respect to future applications not filed at the time of execution of this Assignment that claim priority to or claim the benefit of the Application, Assignors hereby confirm their assignment of the same to Assignee and authorize Assignee, its counsel, or its agents to fill-in some or all of the following information on one or more copies of this document at the discretion of the Assignee, its counsel, or its agents:

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(b) Filing Date of the Application: June 28, 2016

Assignors hereby authorize and request the Honorable Assistant Secretary and Commissioner for Patents and Trademarks to issue said Letters Patent to Assignee, its assigns and legal representatives.

Assignors agree to assign and execute any and all other papers necessary or desirable for the procurement of Letters Patent on said invention in this and all foreign countries for the use of Assignee.

[Signature Page(s) Follow]

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EXECUTED this 16 day of December, 2015.
Onthony Ryle Perfetto
STATE OF <u>INDIANA</u>): SS COUNTY OF <u>BARTHOLOMEW</u>)
Before me, a Notary Public, in and for said County and State, personally appeared Anthony Kyle Perfetto who, being first duly sworn upon his oath, acknowledged the execution of the foregoing "Assignment" as his voluntary act and deed.
WITNESS my hand and Notarial Seal this <u>Heth</u> day of <u>Perember</u> , <u>2015</u> . John Release for the property of the
Printed: TOBY REECE JOHNSON Notary Public - Seal State of Indiana Bartholomese County My Commission Expires Sep 10, 2022
Resident of <u>BARTHOLOMEW</u> County
My Commission Expires:
SEP. 10, 2022

EXECUTED this 2 day of December, 2015. Samuel C. Geckler
STATE OF <u>TAVATAVA</u>)): SS
COUNTY OF BARTHOLOMEW)
Before me, a Notary Public, in and for said County and State, personally appeared Samuel C. Geckler who, being first duly sworn upon his oath, acknowledged the execution of the foregoing "Assignment" as his voluntary act and deed.
WITNESS my hand and Notarial Seal this 2/54 day of DECEMBER. 2015.
Notary Public TOBY REECE JOHNSON
Notary Public - Seal State of Indiana Bartholomew County My Commission Expires Sep 10, 2022
Resident of <u>BARTHOLOMEN</u> County
My Commission Expires:
SEP. 10, 2022

EXECUTED this <u>/5</u> day of]	<u>eb., :</u>	2016	
Hong feng H. Wang Hongfeng H. Wang			
Hongfeng H. Wang			
STATE OF <u>Hubei</u>) COUNTY OF <u>W)u Han</u>	: SS		
COUNTY OF Wu Han			
Before me, a Notary Public, in and for Wang who, being first duly sworn upo "Assignment" as his voluntary act and	n his oath, ackn I deed.	owledged the executi	on of the foregoing
WITNESS my hand and Notarial Scal	this <u>16</u> day	or Feb.	2016
Duan jie			
Notary Public			
Printed: <u>Duan Jie</u>			
Resident of <u>Columbus</u> C	County		
My Commission Expires:			

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RECORDED: 01/07/2019