504256864 03/06/2017 PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:		NEW ASSIGNMENT				
NATURE OF CONVEYANCE:		ASSIGNMENT				
CONVEYING PARTY						
			Name		Execution Date	
J. STEVEN KOLHOU	SE				02/27/2017	
RAYMOND V. PRIMUS					01/02/2017	
LESTER L. PETERS					01/03/2017	
DAVID L. BUCHANAN	N				01/06/2017	
RECEIVING PARTY DATA						
Name: CUMMINS INC.						
Street Address:	500 JA	500 JACKSON STREET				
City:	COLU	COLUMBUS				
State/Country:		DIANA				
Postal Code:	47201					
Property Typ		1523	Number 5189			
Application Number		1523				
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CORRESPONDENCE	E DATA					
Fax Number:		• •	237-1000			
			e-mail address first; if that is uns hat is unsuccessful, it will be ser			
Phone:			237-0300			
Email: Cummins.IP@FaegreBD.com						
Correspondent Name: ROBERT D. NULL / MICKIE POTTER						
Address Line 1: 300 NORTH MERIDIAN STREET						
Address Line 2: SUITE 2400						
Address Line 4: INDIANAPOLIS, INDIANA 46204						
ATTORNEY DOCKET	NUMBER:	:	CI-14-0614-02-US	CI-14-0614-02-US		
NAME OF SUBMITTER:		PATRICE MICHELE POTTER				
SIGNATURE:		/patrice michele potter/				
DATE SIGNED: 03/06/2017						
Total Attachments: 6						
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ASSIGNMENT OF INVENTION

In consideration of the sum of One Dollar (\$1.00) and other good and valuable consideration paid to each of the undersigned,

Name(s) of Invento

of Inventors J. Steven Kolhouse, Raymond V. Primus, Lester L. Peters, and David L. Buchanan (Assignors:)

inventor(s) of an invention which is the subject of an application for Letters Patent of the United States ("Application") entitled:

Title of	
Application	FUEL COOLED INJECTOR TIP
Application Information	for which a patent application for a United States Patent was filed on <u>August 12, 2016</u> as Application Serial No.: <u>15/235,189</u> ;
	the undersigned Assignors hereby sell(s), assign(s), and set(s) over to:
Name of	
Assignee	Cummins Inc.
Address of	500 Jackson Street
principal	
place of	Columbus, Indiana 47201
business	
Insert State and	
Country of a co	progration of the State of Indiana, of the United States of America
Incorporation	· · · · · · · · · · · · · · · · · · ·

(hereinafter designated as the Assignee) their entire right, title and interest in, to and under the Application, including all priority rights for the United States and any other countries arising therefrom, including but not limited to all countries available through the Patent Cooperation Treaty (PCT), all inventions therein disclosed, and any and all Letters Patent of the United States and of all other countries, which may be granted for such inventions, or any of them, any non-provisional application, divisional, continuation, continuation-in-part, or reissue applications corresponding to the Application or such Letters Patent, and any reexamination of the Application of such Letters Patent, and any foreign patents or patent applications corresponding thereto, all such inventions and all rights in such Application and Letters Patent to be held and enjoyed by Assignee for its own use and enjoyment to the full end of the term or terms for which such Letters Patent may be granted, as fully and entirely as the same would have been held and enjoyed by them had this assignment and sale not been made.

The undersigned agree(s) to execute all papers necessary in connection with the application(s) in the United States and foreign countries and any non-provisional, continuing, divisional, or reissue applications thereof, and any reexamination of any of such applications, and also to execute separate assignments in connection with such applications as the Assignee may deem necessary or expedient.

The undersigned agree(s) to execute all papers necessary in connection with any interference which may be declared or litigation concerning the application(s) or non-provisional, continuation, division, reissue or reexamination thereof, and to cooperate with the Assignee in every way possible in obtaining evidence and going forward with such Interference or litigation.

The undersigned agree(s) to execute all papers and documents and perform any act which may be necessary in connection with claims or provisions of the International Convention for Protection of Industrial Property or similar agreements.

PATENT REEL: 041470 FRAME: 0917

US.109001055.01

The undersigned agree(s) to do all other acts which, in the opinion of Assignee, may be necessary or desirable to secure the grant of Letters Patent to Assignee or its nominees, in the United States and in all other countries where Assignee may desire to have such inventions, or any of them, patented, with specifications and claims in such form as shall be approved by Assignee and to vest and confirm in Assignee or its nominees the full and complete legal and equitable title to all such Letters Patent.

The undersigned hereby authorize(s) and request(s) the Commissioner of Patents to issue any and all Letters Patent of the United States resulting from said application(s) or any non-provisional, division or continuing or reissue applications thereof, and any reexamination of any of such applications, to the said Assignee, as Assignee of the entire interest, and hereby covenants that the undersigned has full right to convey the interest herein assigned, and that the undersigned has not executed, and will not execute, any agreement in conflict herewith.

The undersigned hereby grant(s) the attorney of record the power to insert on this Assignment any further identification which may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document.

RECEIVING PARTY (ASSIGNEE):

Cummins Inc. By: Signature M. YONUSI tomas Printed Name DIREC

STATE OF <u>Twdiana</u>))SS: COUNTY OF <u>BARTHOLOMEW</u>)

Acknowledged before me, a Notary Public, within and for said County and State. Witness my hand and

Notarial Seal this 6th day of January	, 2016. 2017. My
	Notary Public Toly Reece Johnson
My Commission Expires: <u> </u>	Notary Public to try Reece Johnson
Resident of BARTHOLDME 4) County.	Printed Name Toby REECE JOHNSON

PATENT REEL: 041470 FRAME: 0918

 2°

ASSIGNORS:

	.1
IN WITNESS WHEREOF, I have executed	I this assignment at this 27 day of February, 2010, 20179
	Inventor 1: J. Steven Kolhause Full Name: Steven J. Kolhouse Address: 2561 S. County Road 550 W., Columbus, IN 47201
STATE OF <u>INDIANA</u>) SS: COUNTY OF <u>BARTHOLOME</u>	Inventor 1 (Signature)
Acknowledged before me, a Notary Public Notarial Seal this <u>274</u> day of <i>FEBRUARY</i>	within and for said County and State. Witness my hand and $\frac{2016}{7}$
TOBY REECE JOHNSON Notary Public - Seal State of Indiana Bartholomete County	John Reece Johnon
My Commission Expires Sep 10, 2022 My Commission Expires: $S \in R$ $\frac{10^{\circ}}{22}$, 20°	Notary Public <u>TOBY REECE JOHNSON</u> Printed Name 22
Resident of <u>BARTHOLOMEN</u> Count	у.

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IN WITNESS WHEREOF, I have executed this assignment at this 2 day of January, 3016.
Inventor 2:
Full Mame: Raymond V. Primus
Address: 2355 Sycamore Run Drive, Indianapolis, IN 46237
Cate
Inventor 2 (Signature)
STATE OF Indiana)
COUNTY OF Besthelsman)
Acknowledged before me, a Notary Public, within and for said County and State. Witness my hand and
Notarial Seal this 2rd day of January 3017
Notary Public
Printed Name
My Commission Expires: April 9, 2019
Resident of Bartholomen County.
PENNY S. STROUP
Existent of Bathalamew County
My Commission # 625301 My Commission Expires April 09, 2019

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PATENT REEL: 041470 FRAME: 0920

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IN WITNESS WHEREOF, I have executed this assignment at this 3rd day of January, 2016. 2017 of

Inventor 3:

Full Name: Lester L. Peters Address: 8543 West Dam Road, Columbus, IN 47201

elles

Inventor 3 (Signature)

STATE OF INDIANA) SS: COUNTY OF BARTHELD MAN

Acknowledged before me, a Notary Public, within and for said County and State. Witness my hand and

Notarial Seal this 3rd day of January	, 2016 .2017 08
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	Aly deece physics
	Notary Euclic
	TOBY REECE JOHNSON
an an an an an 🖌 🖌 an an an an an an	Printed Name
My Commission Expires: <u>Sef. 10, 2022</u>	

Resident of BARTHOLOMEN County.



IN WITNESS WHEREOF, I have executed this assignment at this 6th day of January ,2016. 2017 2

Inventor 4:

Full Name: David L. Buchanan Address: 2022 West County Road 800 South, Westport, IN 47283

Budsmas

Inventor 4 (Signature)

STATE OF INDIANA SS: COUNTY OF BARTHOLOMEN

Acknowledged before me, a Notary Public, within and for said County and State. Witness my hand and

Notarial Seal this 672 day of Jan	1014
	John Reece Johnson
	Notary Public
	TOBY REECE JOHNSON
C	Printed Name

My Commission Expires: SEP. 10, 2022

Resident of BARTHOLOMEN County.



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