

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT5758857

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
VAIBHAV DARAMWAR	08/28/2015
JENNIFER KAY LIGHT-HOLETS	09/03/2015
DAVID A. BRUSH	09/04/2015
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:	15432464
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:	317-713-3500
Email:	taft-ip-docket@taftlaw.com
Correspondent Name:	CUMMINS INC. TAFT, STETTINIUS & HOLLISTE
Address Line 1:	ONE INDIANA SQUARE
Address Line 2:	SUITE 3500
Address Line 4:	INDIANAPOLIS, INDIANA 46204-2023
ATTORNEY DOCKET NUMBER:	CECO-01435
NAME OF SUBMITTER:	LISA SCHODROWSKI
SIGNATURE:	/Lisa Schodrowski/
DATE SIGNED:	10/08/2019
Total Attachments: 7	
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**COMBINED DECLARATION AND ASSIGNMENT FOR UTILITY AND
DESIGN PATENT APPLICATIONS**

DECLARATION

As a below named inventor, I hereby declare that:

I believe I am the original inventor or an original joint inventor of the subject matter which is claimed and for which a patent is sought on the invention entitled

**SYSTEM AND METHOD TO IMPROVE AFTERTREATMENT IN AN INTERNAL
COMBUSTION ENGINE**

the application of which was assigned Application No. PCT/US2015/046549 and filed on August 24, 2015.

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

I hereby acknowledge that any willful false statement made in this declaration is punishable under section 1001 of title 18 by fine or imprisonment of not more than 5 years, or both.

ASSIGNMENT

WHEREAS, Paul Douglas Free of 9875 North County Road 600 East, Hope, Indiana 47246, Jennifer Kay Light-Holets of 1231 Winter Hawk Court, Greenwood, Indiana 46143, Vaibhav Daramwar of 2110 Lakecrest Drive, Columbus, Indiana 47201, and David A. Brush of 7995 W. West Pointe Drive, Columbus, Indiana 47201, hereinafter referred to as Assignors, have made one or more new and useful inventions in **SYSTEM AND METHOD TO IMPROVE AFTERTREATMENT IN AN INTERNAL COMBUSTION ENGINE** for which Assignors have made a U.S. Patent Application No. 62/040,633 on August 22, 2014 and have made or will make application for Letters Patent of the United States (hereinafter the "Applications"); 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 the Applications, an in, to and under the Applications, and in, to and under any and all Letters Patent, 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 considerations 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 the Applications, and any and all other applications thereon and arising therefrom, including any and all applications claiming the benefit thereof, and any and all divisions, continuations, and continuations-in-part thereof, and any and all patents to be issued and obtained therefor and therein, United States and foreign, including all reissues and extensions thereof.

Assignors hereby authorize Assignee, its counsel, or its agents to fill-in some or all of the following list of information items (a) through (d) at the discretion of the Assignee, its counsel, or its agents:

(a) Application Number: PCT/US2015/046549

(b) Application Filing Date: August 24, 2015

(a) Application Number: 62/040,633

(b) Application Filing Date: August 24, 2014

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.

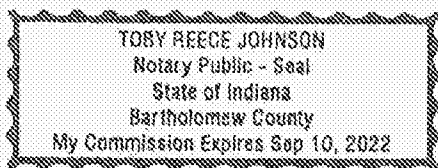
WITNESS Assignor's hand this 4 day of SEPTEMBER, 2015.

Paul Douglas Free
Paul Douglas Free

STATE OF INDIANA)
COUNTY OF BARTHOLOMEW) : SS

Before me, a Notary Public, in and for said County and State, personally appeared Paul Douglas Free, 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 4th day of SEPTEMBER, 2015.



Toby Reece Johnson
Notary Public

Printed: TOBY REECE JOHNSON

Resident of BARTHOLOMEW County

My Commission Expires:

SEP. 10, 2022

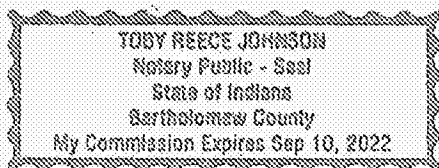
WITNESS Assignor's hand this 3 day of September, 2015.

Jennifer K. Light-Holets
Jennifer Kay Light-Holets

STATE OF INDIANA)
) SS
COUNTY OF BARTHOLOMEW)

Before me, a Notary Public, in and for said County and State, personally appeared Jennifer Kay Light-Holets, 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 3rd day of September, 2015.



Toby Reece Johnson
Notary Public

Printed: Toby Reece Johnson

Resident of BARTHOLOMEW County

My Commission Expires:

SEPTEMBER 10, 2022

WITNESS Assignor's hand this 28 day of August, 2015.

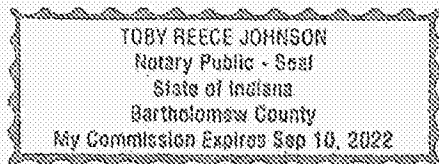


Vaibhav Daramwar

STATE OF Indiana)
) : SS
COUNTY OF BARTHOLOMEW)

Before me, a Notary Public, in and for said County and State, personally appeared Vaibhav Daramwar, 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 28th day of August, 2015.





Notary Public

Printed: TOBY REECE JOHNSON

Resident of BARTHOLOMEW County

My Commission Expires:

SEP 10, 2022

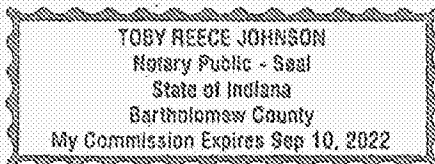
WITNESS Assignor's hand this 4TH day of SEPTEMBER, 2015.

David A. Brush
David A. Brush

STATE OF INDIANA)
) : SS
COUNTY OF BARTHOLOMEW)

Before me, a Notary Public, in and for said County and State, personally appeared David A. Brush, 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 4th day of SEPTEMBER, 2015.



Toby Reece Johnson
TOBY REECE JOHNSON
Notary Public

Printed: TOBY REECE JOHNSON

Resident of BARTHOLOMEW County

My Commission Expires:

SEP 10, 2022

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