

PATENT ASSIGNMENT

Electronic Version v1.1
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SUBMISSION TYPE:	NEW ASSIGNMENT										
NATURE OF CONVEYANCE:	ASSIGNMENT										
CONVEYING PARTY DATA											
<table border="1"> <thead> <tr> <th>Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>Jinqian Gong</td> <td>09/14/2013</td> </tr> <tr> <td>Josh S. Shao</td> <td>09/13/2013</td> </tr> <tr> <td>Quazi Syed Fawad</td> <td>09/11/2013</td> </tr> </tbody> </table>		Name	Execution Date	Jinqian Gong	09/14/2013	Josh S. Shao	09/13/2013	Quazi Syed Fawad	09/11/2013		
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<table border="1"> <tr> <td>Name:</td> <td>Cummins Emission Solutions Inc.</td> </tr> <tr> <td>Street Address:</td> <td>500 Jackson Street</td> </tr> <tr> <td>City:</td> <td>Columbus</td> </tr> <tr> <td>State/Country:</td> <td>INDIANA</td> </tr> <tr> <td>Postal Code:</td> <td>47202</td> </tr> </table>		Name:	Cummins Emission Solutions Inc.	Street Address:	500 Jackson Street	City:	Columbus	State/Country:	INDIANA	Postal Code:	47202
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CORRESPONDENCE DATA											
<p>Fax Number: 3176361507 <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i></p> <p>Phone: 317-636-4341 Email: ipdocketing@kdlegal.com Correspondent Name: Krieg DeVault LLP Address Line 1: One Indiana Square Address Line 2: Suite 2800 Address Line 4: Indianapolis, INDIANA 46204</p>											
ATTORNEY DOCKET NUMBER:	FTW-441										
NAME OF SUBMITTER:	Cheryl L. Marley										
Signature:	/Cheryl L. Marley/										

Date:	09/17/2013
	This document serves as an Oath/Declaration (37 CFR 1.63).
<p>Total Attachments: 6 source=Assignment#page1.tif source=Assignment#page2.tif source=Assignment#page3.tif source=Assignment#page4.tif source=Assignment#page5.tif source=Assignment#page6.tif</p>	

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, METHODS, AND APPARATUS FOR LOW TEMPERATURE DOSING IN DIESEL EXHAUST FLUID INJECTION SYSTEMS

the application of which is attached hereto.

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, Jinqian Gong of 2504 Orchard Creek Drive, Columbus, Indiana 47201; Josh S. Shao of 6019 Turtle Bay, Columbus, Indiana 47201; and Quazi Syed Fawad of 3821 S. Station Drive, Columbus, Indiana 47203, hereinafter referred to as Assignors, have made one or more new and useful inventions entitled SYSTEM, METHODS, AND APPARATUS FOR LOW TEMPERATURE DOSING IN DIESEL EXHAUST FLUID INJECTION SYSTEMS for which Assignors have made or will make application for Letters Patent of the United States (hereinafter the "Application"); and

WHEREAS, Cummins Emission Solutions 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 Application, and in, to and under the Application, 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 Application, 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 thereon, 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 (b) at the discretion of the Assignee, its counsel, or its agents:

- (a) Serial Number of the Application: 14/028,893
- (b) Filing Date of the Application: September 17, 2013

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 14 day of September, 2013.

Jinqian Gong
Jinqian Gong

STATE OF Indiana
COUNTY OF Bartholomew ^{SS}

Before me, a Notary Public, in and for said County and State, personally appeared Jinqian Gong, 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 14 day of September, 2013.



RENEE NICHOLSON, Notary Public
Bartholomew County, State of Indiana
My Commission Expires March 6, 2019

Renee Nicholson
Notary Public

Printed: Renee Nicholson

Resident of Bartholomew county

My Commission Expires:

March 6, 2019

WITNESS Assignor's hand this 13th day of September, 2013.

Josh S. Shao

Josh S. Shao

STATE OF Indiana)
) : SS
COUNTY OF Bartholomew)

Before me, a Notary Public, in and for said County and State, personally appeared Josh S. Shao, 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 13th day of September, 2013.



MARGARET EMILY ALLISON
Commission # 634509
Res. of Bartholomew Co.
Comm. Exp. April 10, 2020

Margaret E. Allison
Notary Public

Printed: Margaret E. Allison

Resident of Bartholomew County

My Commission Expires:

04/10/2020

WITNESS Assignor's hand this 11 day of September, 2013.

[Signature]

Quazi Syed Fawad

STATE OF Indiana)
COUNTY OF Bartholomew) SS

Before me, a Notary Public, in and for said County and State, personally appeared Quazi Syed Fawad, 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 11th day of September, 2013.



MARGARET EMILY ALLISON
Commission # 634509
Res. of Bartholomew Co.
Comm. Exp. April 10, 2020

[Signature]
Notary Public

Printed: Margaret E. Allison

Resident of Bartholomew County

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04-10-2020

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