

## 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>Aleksey Yezerets</td> <td>05/24/2012</td> </tr> <tr> <td>Z. Gerald Liu</td> <td>07/16/2012</td> </tr> <tr> <td>Krishna Kamasamudram</td> <td>06/01/2012</td> </tr> <tr> <td>Neal W. Currier</td> <td>05/24/2012</td> </tr> </tbody> </table>		Name	Execution Date	Aleksey Yezerets	05/24/2012	Z. Gerald Liu	07/16/2012	Krishna Kamasamudram	06/01/2012	Neal W. Currier	05/24/2012
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<table border="1"> <tr> <td>Name:</td> <td>Cummins 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 Inc.	Street Address:	500 Jackson Street	City:	Columbus	State/Country:	INDIANA	Postal Code:	47202
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CORRESPONDENCE DATA											
<p>Fax Number: (317)636-1507</p> <p>Phone: 317-636-4341</p> <p>Email: ipdocketing@kdlegal.com</p> <p><i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US Mail.</i></p> <p>Correspondent Name: Krieg DeVault LLP</p> <p>Address Line 1: One Indiana Square</p> <p>Address Line 2: Suite 2800</p> <p>Address Line 4: Indianapolis, INDIANA 46204</p>											
ATTORNEY DOCKET NUMBER:	CECO-772										
NAME OF SUBMITTER:	Douglas A. Collier										

OP \$40.00 13551723

Total Attachments: 6

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## ASSIGNMENT

WHEREAS, Aleksey Yezerets of 231 Oakbrook Drive, Columbus, Indiana 47201; Z. Gerald Liu of 917 Tramore Trail, Madison, Wisconsin 53717; Krishna Kamasamudram of 4609 Pine Ridge Drive, Columbus, Indiana 46201; and Neal W. Currier of 1702 North Ridgewood Drive, Columbus, Indiana 47203, hereinafter referred to as Assignors, have made one or more new and useful inventions in SYSTEMS AND METHODS FOR REDUCING SECONDARY EMISSIONS FROM CATALYST COMPONENTS for which Assignors have made or will make application for Letters Patent of the United States (hereinafter the "Application"); 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 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 entitled SYSTEMS AND METHODS FOR REDUCING SECONDARY EMISSIONS FROM CATALYST COMPONENTS, 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 acknowledge that the Application was executed concurrently herewith unless a different execution date is indicated in item (a) below. Assignors hereby authorize Assignee, its counsel, or its agents to fill-in some or all of the following list of information items (a) through (c) at the discretion of the Assignee, its counsel, or its agents:

- (a) Execution Date of the Application: July 16, 2012
- (b) Patent Office Number of the Application: 13/551,723
- (c) Filing Date of the Application: July 18, 2012

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 24 day of May, 2012.

Aleksey Yezerets  
Aleksey Yezerets

STATE OF Indiana )  
COUNTY OF Bartholomew ) : SS

Before me, a Notary Public, in and for said County and State, personally appeared Aleksey Yezerets, 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 24<sup>th</sup> day of May, 2012.

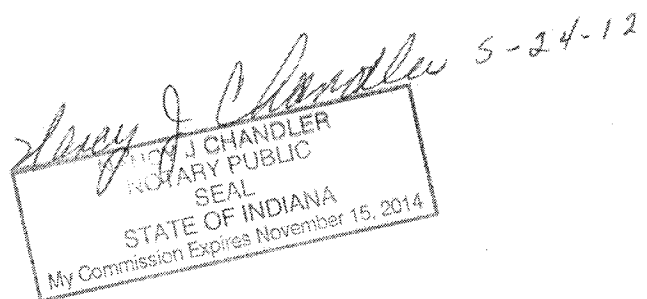
Nancy J Chandler  
Notary Public

Printed: NANCY J. CHANDLER

Resident of Bartholomew County

My Commission Expires:

November 15, 2014



WITNESS Assignor's hand this 16<sup>th</sup> day of July, 2012.

Z. Gerald Liu  
Z. Gerald Liu

STATE OF WISCONSIN )  
 ) : SS  
COUNTY OF DANE )

Before me, a Notary Public, in and for said County and State, personally appeared Z. Gerald Liu, 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 16<sup>th</sup> day of July, 2012.

Jayne D. Fischer  
Notary Public

Printed: JAYNE D. FISCHER

Resident of DANE County

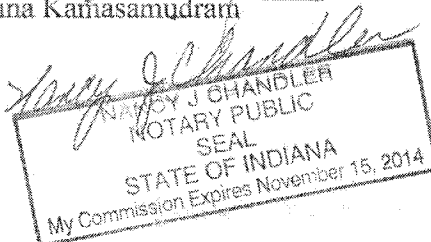
My Commission Expires:

Feb. 7, 2016

WITNESS Assignor's hand this 01 day of June, 2012.

Krishna  
Krishna Kamasamudram

STATE OF Indiana )  
COUNTY OF Bartholomew ) : SS



Before me, a Notary Public, in and for said County and State, personally appeared Krishna Kamasamudram, 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 1 day of June, 2012.

Nancy J. Chandler  
Notary Public

Printed: NANCY J CHANDLER

Resident of Bartholomew County

My Commission Expires:

November 15, 2014

WITNESS Assignor's hand this 24 day of May, 2012.

Neal W. Currier  
Neal W. Currier

STATE OF Indiana )  
 ) : SS  
COUNTY OF Bartholomew )

Before me, a Notary Public, in and for said County and State, personally appeared Neal W. Currier, 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 24<sup>th</sup> day of May, 2012.

Nancy J. Chandler  
Notary Public

Printed: NANCY J. CHANDLER

Resident of Bartholomew County

My Commission Expires:

November 15, 2014

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