

**PATENT ASSIGNMENT**

Electronic Version v1.1  
 Stylesheet Version v1.1

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT																
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT																
<b>CONVEYING PARTY DATA</b>																	
<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width:70%;">Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>Michael J. Ruth</td> <td>02/04/2008</td> </tr> <tr> <td>Stewart D. Sullivan</td> <td>02/04/2008</td> </tr> <tr> <td>Lyle E. Kocher</td> <td>03/03/2008</td> </tr> <tr> <td>Michael J. Cunningham</td> <td>02/04/2008</td> </tr> <tr> <td>Neal W. Currier</td> <td>02/04/2008</td> </tr> <tr> <td>James J. Fier</td> <td>03/24/2008</td> </tr> <tr> <td>Samuel C. Geckler</td> <td>02/15/2008</td> </tr> </tbody> </table>		Name	Execution Date	Michael J. Ruth	02/04/2008	Stewart D. Sullivan	02/04/2008	Lyle E. Kocher	03/03/2008	Michael J. Cunningham	02/04/2008	Neal W. Currier	02/04/2008	James J. Fier	03/24/2008	Samuel C. Geckler	02/15/2008
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<b>RECEIVING PARTY DATA</b>																	
<b>Name:</b>	Cummins, Inc.																
<b>Street Address:</b>	500 Jackson Street																
<b>City:</b>	Columbus																
<b>State/Country:</b>	INDIANA																
<b>Postal Code:</b>	47201																
<b>PROPERTY NUMBERS Total: 1</b>																	
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<b>CORRESPONDENCE DATA</b>																	
<b>Fax Number:</b>	(317)231-7433																
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>																	
<b>Phone:</b>	317-231-7380																
<b>Email:</b>	arogers@btlaw.com																
<b>Correspondent Name:</b>	Angela Rogers, Patent Assistant																
<b>Address Line 1:</b>	Barnes & Thornburg LLP																
<b>Address Line 2:</b>	11 South Meridian Street																
<b>Address Line 4:</b>	Indianapolis, INDIANA 46204																
<b>ATTORNEY DOCKET NUMBER:</b>	29766-204591																

**CH \$40.00 11957872**

**PATENT**

**500798690**

**REEL: 022351 FRAME: 0179**

NAME OF SUBMITTER:

Jeffrey A. Michael

Total Attachments: 5

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ASSIGNMENT

WHEREAS, Michael J. Ruth, Stewart D. Sullivan, Lyle E. Kocher, Michael J. Cunningham, Neal W. Currier, James J. Fier and Samuel C. Geckler of 1591 North 125 West, Franklin, IN 46131, 2120 Vinewood Drive, Columbus, IN 47203, 2181 Olympia Drive, Franklin, IN 46131, 1178 Vestman Court, Greenwood, IN 46143, 1702 N. Ridgewood Drive, Columbus, IN 47203, 1044 Lapwing Drive, Columbus, IN 47203, and 2073 Pinewood Drive, Columbus, IN 47203, respectively, hereinafter to as Assignor, has made a new and useful invention in SYSTEM FOR CONTROLLING REGENERATION OF EXHAUST GAS AFTERTREATMENT COMPONENTS for which Assignor has made or will make application for Letters Patent of the United States; 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, 47201 desires to acquire all of the entire right, title and interest in, to and under said invention disclosed, described and claimed or intended so to be in said application, and in, to and under said application, and in, to an under any and all Letters Patent, United States and foreign, which may be obtained therefor and thereon;

NOW THEREFORE, to all whom it may concern, be it known that for an in consideration of the sum of One Dollar (\$1.00) and other good, valuable and sufficient considerations to Assignor in hand paid the receipt of which is hereby acknowledged, Assignor has sold, assigned and transferred, and by these presents does sell, assign and transfer unto Assignee, all the entire right, title and interest in, to and under said invention disclosed, described and claimed or intended so to be in said application, and in, to and under said application for United States Letters Patent executed by Assignor this \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_, and any and all other application thereon and arising therefrom, including any and all divisions and continuations thereof, and any and all patents to be issued and obtained therefor and thereon, United States and foreign, including all reissues and extensions thereof.

Assignor hereby authorizes and requests the firm of Barnes & Thornburg, to insert here in parenthesis (Serial No. 11/957,872, Filed December 17, 2007) the date and serial number of said application when officially known, and Assignor hereby authorizes and requests the Honorable Assistant Secretary and Commissioner of Patents and Trademarks to issue said Letters Patent to Assignee, its assigns and legal representatives.

Assignor agrees to sign 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.

INDS02 JMM 949540v1

WITNESS Assignor's hand this 4<sup>th</sup> day of February, 2008.

Michael J. Ruth  
Michael J. Ruth

STATE OF INDIANA )  
 )SS:  
COUNTY OF Bartholomew )

Before me, a Notary Public, in and for said County and State, personally appeared the above-named Assignor, to me personally known, and who executed to foregoing Assignment in my presence and acknowledged the execution thereof as his free and voluntary act and deed for the uses and purposes therein set forth and expressed.

Amy Englekings  
Notary Public

Printed: Amy Englekings  
My Commission Expires: 12/5/09  
Resident of Jackson County

WITNESS Assignor's hand this 4<sup>th</sup> day of February, 2008.

Stewart D. Sullivan  
Stewart D. Sullivan

STATE OF INDIANA )  
 )SS:  
COUNTY OF Bartholomew )

Before me, a Notary Public, in and for said County and State, personally appeared the above-named Assignor, to me personally known, and who executed to foregoing Assignment in my presence and acknowledged the execution thereof as his free and voluntary act and deed for the uses and purposes therein set forth and expressed.

Terry J. Neff  
Notary Public

Printed: TERRY J. NEFF  
My Commission Expires: 18-APR-2012  
Resident of JACKSON County

WITNESS Assignor's hand this 3<sup>rd</sup> day of MARCH, 2008.

Lyle E. Kocher  
Lyle E. Kocher

STATE OF INDIANA        )  
                                  )SS:  
COUNTY OF BARTHOLOMEW )

Before me, a Notary Public, in and for said County and State, personally appeared the above-named Assignor, to me personally known, and who executed to foregoing Assignment in my presence and acknowledged the execution thereof as his free and voluntary act and deed for the uses and purposes therein set forth and expressed.

Terry J. Neff  
Notary Public

Printed: TERRY J. NEFF  
My Commission Expires: 18-APR-2012  
Resident of JACKSON County

WITNESS Assignor's hand this 4<sup>th</sup> day of February, 2008.

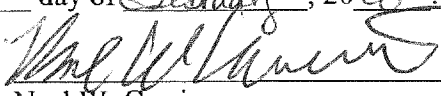
Michael J. Cunningham  
Michael J. Cunningham

STATE OF INDIANA        )  
                                  )SS:  
COUNTY OF BARTHOLOMEW )

Before me, a Notary Public, in and for said County and State, personally appeared the above-named Assignor, to me personally known, and who executed to foregoing Assignment in my presence and acknowledged the execution thereof as his free and voluntary act and deed for the uses and purposes therein set forth and expressed.


Amy Engleking  
Notary Public

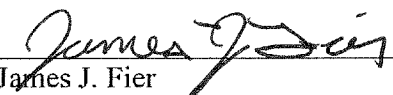
Printed: Amy Engleking  
My Commission Expires: 12/5/09  
Resident of JACKSON County

WITNESS Assignor's hand this 4<sup>th</sup> day of February, 2008.  
  
Neal W. Currier

STATE OF INDIANA )  
  )SS:  
COUNTY OF Bartolomeo)

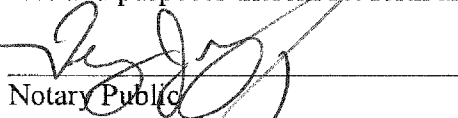
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Notary Public  
Printed: Amy Engleking  
My Commission Expires: 12/5/09  
Resident of Jackson County

WITNESS Assignor's hand this 24<sup>th</sup> day of MAR, 2008.  
  
James J. Fier

STATE OF INDIANA )  
  )SS:  
COUNTY OF BARTHOLOMEW)

Before me, a Notary Public, in and for said County and State, personally appeared the above-named Assignor, to me personally known, and who executed to foregoing Assignment in my presence and acknowledged the execution thereof as his free and voluntary act and deed for the uses and purposes therein set forth and expressed.

  
Notary Public  
Printed: TERRY J. NEFF  
My Commission Expires: 18-APR-2012  
Resident of JACKSON County

WITNESS Assignor's hand this 15 day of February, 2008.

Samuel C. Geckler  
Samuel C. Geckler

STATE OF INDIANA            )  
  )SS:  
COUNTY OF Bartholomew

Before me, a Notary Public, in and for said County and State, personally appeared the above-named Assignor, to me personally known, and who executed to foregoing Assignment in my presence and acknowledged the execution thereof as his free and voluntary act and deed for the uses and purposes therein set forth and expressed.

Amy Englekings  
Notary Public

Printed: Amy Englekings  
My Commission Expires: 12/5/09  
Resident of Jackson County