

PATENT ASSIGNMENT

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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>Jeffrey Carter</td> <td>04/18/2012</td> </tr> <tr> <td>Nicholas K. Sharp</td> <td>04/17/2012</td> </tr> </tbody> </table>		Name	Execution Date	Jeffrey Carter	04/18/2012	Nicholas K. Sharp	04/17/2012
Name	Execution Date						
Jeffrey Carter	04/18/2012						
Nicholas K. Sharp	04/17/2012						
RECEIVING PARTY DATA							
Name:	Cummins Ltd.						
Street Address:	St. Andrews Road						
City:	Huddersfield						
State/Country:	UNITED KINGDOM						
Postal Code:	HD1 6RA						
PROPERTY NUMBERS Total: 1							
<table border="1"> <thead> <tr> <th>Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>13358201</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13358201		
Property Type	Number						
Application Number:	13358201						
CORRESPONDENCE DATA							
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<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>							
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NAME OF SUBMITTER:	George W.Gray						
<p>Total Attachments: 4</p> <p>source=As_Recorded_Assignment_HOET143#page1.tif</p> <p>source=As_Recorded_Assignment_HOET143#page2.tif</p> <p>source=As_Recorded_Assignment_HOET143#page3.tif</p> <p>source=As_Recorded_Assignment_HOET143#page4.tif</p>							

OP \$40.00 13358201

ASSIGNMENT

WHEREAS, Jeffrey Carter, c/o Cummins Turbo Technologies Ltd., Huddersfield, West Yorkshire, United Kingdom and Nicholas K. Sharp of 27 Lee Moor Road, Stanley, Wakefield WF3 4EF, United Kingdom, hereinafter referred to as Assignors, have made one or more new and useful inventions in a COMPRESSOR for which Assignors have made or will make application for Letters Patent of the United States (hereinafter the "Application"); and

WHEREAS, Cummins Ltd, hereinafter referred to as Assignee, having a principal place of business at St. Andrews Road, Huddersfield HD1 6RA, UNITED KINGDOM, 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 VARIABLE GEOMETRY TURBINE, 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: APRIL 18, 2012
- (b) Patent Office Number of the Application: 13/358,201
- (c) Filing Date of the Application: January 25, 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 18 day of APRIL, 2012.

Jeffrey Carter
Jeffrey Carter

Witness Name: DAVID LUCK

Witness Signature: [Signature]

Date: 18 APRIL 2012

Cummins Ltd

By: J. T. Kirtson

Printed Name: J. TUART KIRTSON

Date: 20TH APRIL 2012

WITNESS Assignor's hand this 17th day of APRIL, 2012.

N. Sharp
Nicholas K. Sharp

Witness Name: JADE HERWORTH

Witness Signature: J. Herworth

Date: 17/4/12 17th APRIL 2012

Cummins Ltd

By: S.T. Kitson

Printed Name: STUART KITSON

Date: 20TH APRIL 2012