

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>Matthew R. Busdiecker</td> <td>02/23/2012</td> </tr> <tr> <td>Vivek A. Sujan</td> <td>03/08/2012</td> </tr> </tbody> </table>		Name	Execution Date	Matthew R. Busdiecker	02/23/2012	Vivek A. Sujan	03/08/2012				
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<table border="1"> <tr> <td>Name:</td> <td>Eaton Corporation</td> </tr> <tr> <td>Street Address:</td> <td>Eaton Center, 1111 Superior Avenue</td> </tr> <tr> <td>City:</td> <td>Cleveland</td> </tr> <tr> <td>State/Country:</td> <td>OHIO</td> </tr> <tr> <td>Postal Code:</td> <td>44114-2584</td> </tr> </table>		Name:	Eaton Corporation	Street Address:	Eaton Center, 1111 Superior Avenue	City:	Cleveland	State/Country:	OHIO	Postal Code:	44114-2584
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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>47201</td> </tr> </table>		Name:	Cummins Inc.	Street Address:	500 Jackson Street	City:	Columbus	State/Country:	INDIANA	Postal Code:	47201
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<table border="1"> <tr> <td>Name:</td> <td>PACCAR Inc.</td> </tr> <tr> <td>Street Address:</td> <td>777 106th Avenue NE</td> </tr> <tr> <td>City:</td> <td>Bellevue</td> </tr> <tr> <td>State/Country:</td> <td>WASHINGTON</td> </tr> <tr> <td>Postal Code:</td> <td>98004</td> </tr> </table>		Name:	PACCAR Inc.	Street Address:	777 106th Avenue NE	City:	Bellevue	State/Country:	WASHINGTON	Postal Code:	98004
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PROPERTY NUMBERS Total: 1											
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Application Number:	13397311										
CORRESPONDENCE DATA											
Fax Number:	(248)566-8501										

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Phone: 2485668500

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Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US Mail.

Correspondent Name: Joseph V. Coppola, Sr.

Address Line 1: 39400 Woodward Avenue, Suite 101

Address Line 4: Bloomfield Hills, MICHIGAN 48304

ATTORNEY DOCKET NUMBER:

209593-323390

NAME OF SUBMITTER:

Joseph V. Coppola, Sr.

Total Attachments: 5

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ASSIGNMENT BY INVENTORS

THIS ASSIGNMENT, made by Matthew R. Busdiecker and Vivek A. Sujan (hereinafter referred to as Assignors), residing at 3701 Mark Orr, Royal Oak, Michigan 48073; and 4133 Sandpiper Lane, Columbus, Indiana 47203, respectively;

WHEREAS, Assignors have invented certain new and useful improvements in Methods and Systems for Selecting or Maintaining an Efficient Gear or Gear Ratio, set forth in a Patent application for Letters Patent of the United States, filed on February 15, 2012 and assigned U.S. Application No. 13/397,311; and

WHEREAS, Eaton Corporation, an Ohio corporation; Cummins Inc., an Indiana corporation; and PACCAR Inc., a Delaware corporation having their principal places of business at Eaton Center, 1111 Superior Avenue, Cleveland, Ohio 44114-2584; 500 Jackson Street, Columbus, Indiana 47201; and 777 106th Avenue NE, Bellevue, Washington 98004, respectively (hereinafter referred to as Assignees), are desirous of acquiring the entire right, title and interest in and to said inventions and said Application for Letters Patent of the United States, and in and to any Letters Patent of the United States to be obtained therefore and thereon;

AND WHEREAS all rights will be owned jointly by Eaton Corporation, Cummins Inc. and PACCAR Inc., each to own an undivided one-third interest in the Rights;

NOW, THEREFORE, for valuable consideration, the receipt of which is hereby acknowledged, Assignors have sold, assigned, transferred and set over, and by these presents do sell, assign, transfer and set over, unto Assignees, its successors, legal representatives and assigns (collectively hereinafter ASSIGNEES), the entire right, title and interest, including the right to sue for past infringement, in and to the above-mentioned inventions and application for Letters Patent, and in and to any and all direct and indirect divisions, continuations and continuations-in-part of said application, any and all United States and foreign patents, utility models, and design registrations granted for any of said inventions or improvements, and the right to claim priority based on the filing date of said application under the International Convention for the Protection of Industrial Property, the Patent Cooperation Treaty, the European Patent Convention, and all other treaties of like purposes, the same to be held and

enjoyed by ASSIGNEES, for its own use , to the full end of the term or terms for which Letters Patent may be granted and/or extended, as fully and entirely as the same would have been held and enjoyed by Assignors, had this sale and assignment not been made (collectively "Rights");

AND for the same consideration, Assignors hereby represent and warrant to ASSIGNEES, that, at the time of execution and delivery of these presents, except for any rights, titles and/or interests that have arisen to ASSIGNEES under law or that have already been transferred to ASSIGNEES, Assignors are the sole and lawful owners of the entire right, title and interest in and to the said inventions and application for Letters Patent above-mentioned, and that the same are unencumbered and that Assignors have good and full right and lawful authority to sell and convey the same in the manner herein set forth.

AND for the same consideration, Assignors hereby covenant with ASSIGNEES to, without charge to Assignors,:

1) authorize the ASSIGNEES to apply in all countries in Assignors' names or in its own name for patents, utility models, design registrations and like rights of exclusion and for inventors' certificates for said inventions and improvements, and

2) sign all papers and documents, take all lawful oaths and do all acts necessary or required to be done for the procurement, maintenance, enforcement and defense of any Letters Patent and applications for Letters Patent for said inventions,

whenever counsel of ASSIGNEES, shall advise Assignors that any of the following actions is lawful and desirable:

1) any proceeding in connection with said inventions, or said application for Letters Patent in any country, or

2) any proceeding in connection with any Letters Patent for said inventions in any country, including but not limited to interference proceedings, or

3) in any country, any division, continuation or continuation-in-part of any application for Letters Patent, or any reissue, reexamination or extension of any Letters Patent, to be obtained thereon.

AND Assignors hereby request the Commissioner of Patent and Trademarks to issue said Letters Patent of the United States to ASSIGNEES, as ASSIGNEES of said inventions and the Letters Patent to be issued thereon, for the sole use and benefit of ASSIGNEES.

AND Assignors hereby grant the following individuals the power to insert on this Assignment any further identification which may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document:

HONIGMAN MILLER SCHWARTZ AND COHN LLP

All practitioners at Customer Number 44200 (Honigman)

AND Assignors acknowledge an obligation of assignment of this invention to ASSIGNEES at the time the invention was made.

February 23, 2012
Date

Matthew Busdiecker
Matthew R. Busdiecker

Witness:

Feb 23, 2012
Date

Leusa Busdiecker

MARCH 8, 2012

Date



Vivek A. Sujar

Witness:

MARCH 8, 2012

Date



PHANI VAJAPAYEZULA

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