

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>Vivek A. SUJAN</td> <td>04/24/2012</td> </tr> <tr> <td>Timothy R. FRAZIER</td> <td>04/24/2012</td> </tr> </tbody> </table> | | Name | Execution Date | Vivek A. SUJAN | 04/24/2012 | Timothy R. FRAZIER | 04/24/2012 | | | | |
| Name | Execution Date | | | | | | | | | | |
| Vivek A. SUJAN | 04/24/2012 | | | | | | | | | | |
| Timothy R. FRAZIER | 04/24/2012 | | | | | | | | | | |
| RECEIVING PARTY DATA | | | | | | | | | | | |
| <table border="1"> <tr> <td>Name:</td> <td>CUMMINS INTELLECTUAL PROPERTY, INC.</td> </tr> <tr> <td>Street Address:</td> <td>1400 73rd Avenue, N.E.</td> </tr> <tr> <td>City:</td> <td>Minneapolis</td> </tr> <tr> <td>State/Country:</td> <td>MINNESOTA</td> </tr> <tr> <td>Postal Code:</td> <td>55432</td> </tr> </table> | | Name: | CUMMINS INTELLECTUAL PROPERTY, INC. | Street Address: | 1400 73rd Avenue, N.E. | City: | Minneapolis | State/Country: | MINNESOTA | Postal Code: | 55432 |
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| City: | Minneapolis | | | | | | | | | | |
| State/Country: | MINNESOTA | | | | | | | | | | |
| Postal Code: | 55432 | | | | | | | | | | |
| <table border="1"> <tr> <td>Name:</td> <td>PACCAR, INC.</td> </tr> <tr> <td>Street Address:</td> <td>777 106th Avenue, N.E.</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, N.E. | City: | Bellevue | State/Country: | WASHINGTON | Postal Code: | 98004 |
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| Street Address: | 777 106th Avenue, N.E. | | | | | | | | | | |
| City: | Bellevue | | | | | | | | | | |
| State/Country: | WASHINGTON | | | | | | | | | | |
| Postal Code: | 98004 | | | | | | | | | | |
| <table border="1"> <tr> <td>Name:</td> <td>EATON CORPORATION</td> </tr> <tr> <td>Street Address:</td> <td>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</td> </tr> </table> | | Name: | EATON CORPORATION | Street Address: | 1111 Superior Avenue | City: | Cleveland | State/Country: | OHIO | Postal Code: | 44114 |
| Name: | EATON CORPORATION | | | | | | | | | | |
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| City: | Cleveland | | | | | | | | | | |
| State/Country: | OHIO | | | | | | | | | | |
| Postal Code: | 44114 | | | | | | | | | | |
| 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>13407583</td> </tr> </tbody> </table> | | Property Type | Number | Application Number: | 13407583 | | | | | | |
| Property Type | Number | | | | | | | | | | |
| Application Number: | 13407583 | | | | | | | | | | |
| CORRESPONDENCE DATA | | | | | | | | | | | |
| Fax Number: | (730)390-1277 | | | | | | | | | | |

OP \$40.00 13407583

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ATTORNEY DOCKET NUMBER:

740270-3296

NAME OF SUBMITTER:

Tim L. Brackett, Jr.

Total Attachments: 1

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ASSIGNMENT OF APPLICATION FOR UNITED STATES LETTERS PATENT

WHEREAS Vivek A. SUJAN and Timothy R. FRAZIER, hereinafter referred to collectively as the assignor, has invented a certain improvement relating to:

SYSTEM AND METHOD OF DPF PASSIVE ENHANCEMENT THROUGH POWERTRAIN TORQUE-SPEED MANAGEMENT

[X] said application having been filed in the United States Patent and Trademark Office on February 28, 2012, authorization being hereby given to the practitioners associated with the STUDEBAKER & BRACKETT PC CUSTOMER NUMBER 78198, to insert here in parentheses (Application Serial No. 13/407,583) the application serial number of said application when known;

[] said application having been filed under the Patent Cooperation Treaty on _____, as Serial No. _____, the United States of America being designated.

AND WHEREAS Cummins Intellectual Property, Inc. of 1400 73rd Avenue, N.E., Minneapolis, MN 55432; PACCAR, Inc. of 777 106th Avenue, N.E. Bellevue, WA 98004; and Eaton Corporation of 1111 Superior Avenue, Cleveland, OH 44114; hereinafter collectively referred to as the assignee, is desirous of acquiring the entire right, title and interest in and to said application, including any and all divisions and continuations thereof, and in and to said invention and any and all patents which may be granted therefor, including any and all renewals, reissues and prolongations thereof;

NOW THIS WITNESSETH, that for and in consideration of One Dollar (\$1.00), and other good and valuable consideration paid by said assignee to said assignor, the receipt of which is hereby acknowledged, said assignor hereby assigns, sells and transfers to said assignee, and said assignee's successors and assigns, the full and exclusive right, title and interest in and to said application, including any and all divisions and continuations thereof, and in and to said invention for the United States of America and its territories and for all foreign countries, and any and all patents which may be granted therefore, in the United States of America and its territories and in all foreign countries, including any and all renewals, reissues and prolongations thereof; said assignee, and said assignee's successors and assigns, to have, hold, exercise and enjoy the said application, including any and all divisions and continuations thereof, and the said invention and any and all patents which may be granted therefor, including any and all renewals, reissues and prolongations thereof, with all the rights, powers, privileges and advantages in anywise arising from or appertaining thereto, for and during the term or terms of any and all such patents when granted, including any and all renewals, reissues and prolongations thereof, for the use and benefit of said assignee, and said assignee's successors and assigns, in as ample and beneficial a manner as the said assignor might or could have held and enjoyed the same, if this assignment had not been made.

AND said assignor hereby agrees to perform, upon the request of said assignee, or said assignee's successors or assigns, any and all acts relating to the obtaining or to the asserting of said patents, including any and all renewals, reissues and prolongations thereof.

AND said assignor authorizes and requests the Commissioner of Patents and Trademarks in the United States and Patent Office officials of any and all foreign countries, to issue any and all Letters Patent on said application, and on any and all divisions and continuations thereof, to said assignee, and said assignee's successors and assigns, in accordance herewith.

The undersigned hereby grant(s) the law firm of STUDEBAKER & BRACKETT PC 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 U.S. Patent and Trademark Office for recordation of this document.

In witness thereof, this Assignment has been executed by the undersigned on the date(s) opposite the undersigned name(s).

Date: APRIL 24, 2012 Signature: [Signature]
Name: Vivek A. SUJAN
Date: April 24, 2012 Signature: [Signature]
Name: Timothy R. FRAZIER

This assignment should preferably be acknowledged before a United States Consul or Notary Public. If not, then the execution by the Inventor(s) should be witnessed by two other persons who should sign here.

Witness name: _____ Signature: _____
Witness name: _____ Signature: _____