PATENT ASSIGNMENT

Electronic Version v1.1
Stylesheet Version v1.1

SUBMISSION TYPE: NEW ASSIGNMENT

NATURE OF CONVEYANCE: ASSIGNMENT

CONVEYING PARTY DATA

<table>
<thead>
<tr>
<th>Name</th>
<th>Execution Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>Chun Tai</td>
<td>07/28/2008</td>
</tr>
<tr>
<td>Todd Colin Reppert</td>
<td>07/28/2008</td>
</tr>
</tbody>
</table>

RECEIVING PARTY DATA

<table>
<thead>
<tr>
<th>Name:</th>
<th>Mack Trucks, Inc.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Street Address:</td>
<td>2100 Mack Blvd.</td>
</tr>
<tr>
<td>Internal Address:</td>
<td>P.O. Box M</td>
</tr>
<tr>
<td>City:</td>
<td>Allentown</td>
</tr>
<tr>
<td>State/Country:</td>
<td>PENNSYLVANIA</td>
</tr>
<tr>
<td>Postal Code:</td>
<td>18105-5000</td>
</tr>
</tbody>
</table>

PROPERTY NUMBERS Total: 1

<table>
<thead>
<tr>
<th>Property Type</th>
<th>Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>Application Number:</td>
<td>12279545</td>
</tr>
</tbody>
</table>

CORRESPONDENCE DATA

Fax Number: (703)299-0036
Correspondence will be sent via US Mail when the fax attempt is unsuccessful.

Phone: 703-299-0953
Email: HARRY@WRB-IP.COM

Correspondent Name: Harold R. Brown III
Address Line 1: 1217 KING STREET
Address Line 4: ALEXANDRIA, VIRGINIA 22314

ATTORNEY DOCKET NUMBER: 000009-287

NAME OF SUBMITTER: Harold R. Brown III

Total Attachments: 3
source=000009287ass#page1.tif
source=000009287ass#page2.tif

PATENT
REEL: 021393 FRAME: 0412
500621780
ASSIGNMENT
(JOINT)

This Assignment, by
a. Chun Tai
b. Todd Colin Reppert

residing at
a. 13846 Emerson Dr., Hagerstown, MD 21742, United States
b. 1423 Kensington Drive #102, Hagerstown, MD, United States

(hereinafter referred to as "the Assignors"), respectively, witnesseth:

WHEREAS, the Assignors have invented certain new and useful improvements in

CHARGE AIR COOLER ARRANGEMENT WITH
COOLER BYPASS AND METHOD

set forth in an application for Letters Patent of the United States, which is a
(1) ___ provisional application
   a. ___ bearing Application No._________________________ and filed on
      __________________________
   b. ___ to be filed herewith; or
(2) __x__ non-provisional application
   a. ___ bearing Application No._________________________ and filed on
      __________________________
   b. __x__ having an oath or declaration executed on even date herewith prior to
      filing of application;
   c. ___ having an oath or declaration executed on a different date than this
      Assignment; and

WHEREAS, Mack Trucks, Inc., a corporation having a principal place of
business at 2100 Mack Blvd., P.O. Box M, Allentown, PA 18105-5000 (hereinafter
referred to as "the Assignee"), is desirous of acquiring the entire right, title, and interest
in and to said inventions, the right to file applications on said inventions and the entire
right, title and interest in and to any applications, including provisional applications for
Letters Patent of the United States or other countries claiming priority to said application,
and in and to any Letters Patent or Patents, United States or foreign, to be obtained
therefor and thereon.

NOW, THEREFORE, for good and sufficient consideration, the receipt of which
is hereby acknowledged, the Assignors have sold, assigned, transferred, and set over, and
by these presents do sell, assign, transfer, and set over, unto the Assignee, its successors,
legal representatives, and assigns the entire right, title, and interest in and to the above-mentioned inventions, the right to file applications on said inventions and the entire right, title and interest in and to any applications for Letters Patent of the United States or other countries claiming priority to said applications, and any and all Letters Patent or Patents of the United States of America and all foreign countries that may be granted therefor and thereon, and in and to any and all applications claiming priority to said applications, divisions, continuations, and continuations-in-part of said applications, and reissues and extensions of said Letters Patent or Patents, and all rights under the International Convention for the Protection of Industrial Property, the same to be held and enjoyed by the Assignee, for its own use and behoof and the use and behoof of its successors, legal representatives, and assigns, to the full end of the term or terms for which Letters Patent or Patents may be granted as fully and entirely as the same would have been held and enjoyed by the Assignors had this sale and assignment not been made;

AND for the same consideration, the Assignors hereby covenant and agree to and with the Assignee, its successors, legal representatives, and assigns, that, at the time of execution and delivery of these presents, the Assignors are the sole and lawful owners of the entire right, title, and interest in and to the inventions set forth in said applications and said applications, including provisional applications, above-mentioned, and that the same are unencumbered, and that the 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, the Assignors hereby covenant and agree to and with the Assignee, its successors, legal representatives, and assigns that the Assignors will, whenever counsel of the Assignee, or the counsel of its successors, legal representatives, and assigns, shall advise that any proceeding in connection with said inventions or said applications for Letters Patent or Patents, or any proceeding in connection with Letters Patent or Patents for said inventions in any country, including interference proceedings, is lawful and desirable, or that any application claiming priority to said application, division, continuation, or continuation-in-part of any applications for Letters Patent or Patents, or any reissue or extension of any Letters Patent or Patents to be obtained thereon, is lawful and desirable, 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 Letters Patent or Patents for said inventions, without charge to the Assignee, its successors, legal representatives, and assigns, but at the cost and expense of the Assignee, its successors, legal representatives, and assigns;

AND the Assignors hereby authorize and request the attorneys of White, Redway & Brown L.L.P. to insert in the spaces provided above the title of the invention, filing date, application number, and attorney's docket number of said application when known.
AND the Assignors hereby request the Commissioner of Patents to issue any and all said Letters Patent of the United States to the Assignee as the Assignee of said inventions, the Letters Patent to be issued for the sole use and behalf of the Assignee, its successors, legal representatives, and assigns.

DATE 7/28/08.

Chun Tai

DATE 7/28/08

Todd Colin Reppert