

PATENT ASSIGNMENT

Electronic Version v1.1
 Stylesheet Version v1.1

| 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>Shakeel NASIR</td> <td>07/09/2013</td> </tr> <tr> <td>Joshua David SCHUELER</td> <td>07/09/2013</td> </tr> </tbody> </table> | | Name | Execution Date | Shakeel NASIR | 07/09/2013 | Joshua David SCHUELER | 07/09/2013 |
| Name | Execution Date | | | | | | |
| Shakeel NASIR | 07/09/2013 | | | | | | |
| Joshua David SCHUELER | 07/09/2013 | | | | | | |
| RECEIVING PARTY DATA | | | | | | | |
| Name: | ELECTRO-MOTIVE DIESEL, INC. | | | | | | |
| Street Address: | 9301 West 55th Street | | | | | | |
| City: | Lagrange | | | | | | |
| State/Country: | ILLINOIS | | | | | | |
| Postal Code: | 60525 | | | | | | |
| 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>13938682</td> </tr> </tbody> </table> | | Property Type | Number | Application Number: | 13938682 | | |
| Property Type | Number | | | | | | |
| Application Number: | 13938682 | | | | | | |
| CORRESPONDENCE DATA | | | | | | | |
| Fax Number: | 2024084400 | | | | | | |
| <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i> | | | | | | | |
| Phone: | 202-408-4000 | | | | | | |
| Email: | faxserve@finnegan.com | | | | | | |
| Correspondent Name: | CATERPILLAR/FINNEGAN, HENDERSON, L.L.P. | | | | | | |
| Address Line 1: | 901 New York Avenue, NW | | | | | | |
| Address Line 4: | WASHINGTON, DISTRICT OF COLUMBIA 20001-4413 | | | | | | |
| ATTORNEY DOCKET NUMBER: | 08350.1162-00000 | | | | | | |
| NAME OF SUBMITTER: | Virginia McNelis-Clark | | | | | | |
| Signature: | /Virginia McNelis-Clark/ | | | | | | |
| Date: | 07/10/2013 | | | | | | |
| Total Attachments: 3 source=1162Assignment#page1.tif source=1162Assignment#page2.tif source=1162Assignment#page3.tif | | | | | | | |

OP \$40.00 13938682

FORM PTO-1595
1-31-92

RECORDATION FORM COVER SHEET
PATENTS ONLY

U.S. Department of Commerce
Patent and Trademark Office
Attorney Docket No. 08350.1162-00000
Attorney Customer Number: 58,982

To the Director of the U.S. Patent and Trademark Office:
Please record the attached original documents or copy thereof.

Mail Stop Assignment Recordation Services

| | |
|---|---|
| 1. Name of conveying party: a) Shakeel NASIR b) Joshua David SCHUELER | 2. Name and address of receiving party(ies): Name: Electro-Motive Diesel, Inc. |
|---|---|

| | |
|--|-------------------|
| Additional name(s) of conveying party(ies) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | Internal Address: |
|--|-------------------|

| | |
|--------------------------|--|
| 3. Nature of conveyance: | Street Address: 9301 W 55 th Street |
|--------------------------|--|

| | | |
|--|---------------------------------|----------------|
| <input checked="" type="checkbox"/> Assignment | <input type="checkbox"/> Merger | City: Lagrange |
|--|---------------------------------|----------------|

| | | | |
|---|---|-----------|-----------------|
| <input type="checkbox"/> Security Agreement | <input type="checkbox"/> Change of Name | State: IL | Zip Code: 60525 |
|---|---|-----------|-----------------|

| | |
|---------------------------------|--|
| <input type="checkbox"/> Other: | Additional name(s) & Address(es) attached? |
|---------------------------------|--|

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|--|---|
| Execution Date: a) July 9, 2013 b) July 9, 2013 | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |
|--|---|

| | |
|---|---|
| Application number(s) or patent number(s): If this document is being filed together with a new application, the execution date of the application: a) July 9, 2013; b) July 9, 2013 | A. Patent Number(s): <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |
| Additional numbers attached? | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |

| | |
|---|--|
| 4. Name and address of party to whom correspondence concerning document should be mailed: Name: Christopher P. Isaac | Total number of applications and registrations involved: 1 |
|---|--|

| | |
|--|--|
| Internal Address: FINNEGAN, HENDERSON, FARABOW, GARRETT & DUNNER, L.L.P. | 5. Total fee (37 CFR 3.41): \$40 <input checked="" type="checkbox"/> Enclosed (Please charge deficiency to deposit account) <input type="checkbox"/> Authorized to be charged to deposit account |
|--|--|

| | |
|---|--|
| Street Address: 901 New York Avenue, N.W. | |
|---|--|

| | |
|------------------------|--|
| City: Washington, D.C. | |
|------------------------|--|

| | |
|-------------------|---------------------------------------|
| State: Zip: 20001 | 6. Deposit Account No. <u>06-0916</u> |
|-------------------|---------------------------------------|

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|-----------------------------|--|
| 7. Statement and signature. | |
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To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

Ryan C. Stockett, Reg. No. 53,642 /Ryan C. Stockett/ July 10, 2013
Signature Date

Total number of pages including cover sheet, attachments and documents: 3

ASSIGNMENT

WHEREAS I/We, the below named inventors, hereinafter referred to as Assignors, have made an invention entitled:

SYSTEM HAVING DUAL-VOLUTE AXIAL TURBINE TURBOCHARGER

for which I/We will or have filed a patent application; and

WHEREAS, **ELECTRO-MOTIVE DIESEL, Inc.**, a corporation of **Delaware**, whose post office address is **9301 W 55th Street, Lagrange, IL 60525**, hereinafter referred to as Assignee), is desirous of securing the entire right, title, and interest in and to this invention, and in and to the patent application for this invention and any and all patents to be issued upon this application throughout the world;


NOW THEREFORE, be it known that for good and valuable consideration the receipt of which from Assignee is hereby acknowledged, I/We, as Assignor(s), have sold, assigned, transferred, and set over, and do hereby sell, assign, transfer, and set over unto the Assignee, its lawful successors and assigns, my/our entire right, title, and interest in and to this invention, and this application, and all divisions, and continuations thereof, and all patents which may be granted thereon, and all reissues thereof, as well as all rights to claim priority in any country or jurisdiction or patent office on the basis of this application, and all applications for patents which may hereafter be filed for this invention in any country or jurisdiction or patent office and all patents which may be granted on this invention in any country or jurisdiction or patent office, and all extensions, renewals, and reissues thereof; and I/We hereby authorize and request any official of any country or jurisdiction or patent office whose duty it is to issue patents on applications as described above, to issue all patents for this invention to Assignee, its successors and assigns, in accordance with the terms of this Assignment;

AND, I/WE HEREBY covenant that I/We have the full right to convey the interest assigned by this Assignment, and I/We have not executed and will not execute any agreement in conflict with this Assignment;

AND, I/WE HEREBY further covenant and agree that I/We will, without further consideration, communicate with Assignee, its successors and assigns, any facts known to me/us respecting this invention, and testify in any legal proceeding, sign all lawful papers when called upon to do so, execute and deliver any and all papers that may be necessary or desirable to perfect the title to this invention in said Assignee, its successors or assigns, execute all divisional, continuation, and reissue applications, make all rightful oaths and generally do everything possible to aid Assignee, its successors and assigns, to obtain and enforce proper patent protection for this invention in any country or jurisdiction or patent office, it being understood that any expense incident to the execution of such papers shall be borne by the Assignee, its successors and assigns;

AND, I/WE HEREBY authorize the attorneys/representatives that I/WE have empowered to prosecute this application to insert here in parentheses the country, application number, and official filing date (_____ Application No. _____, filed _____).

IN TESTIMONY WHEREOF, I/We have hereunto set our hands.

| | | |
|---|--|--------------------------------|
| 1. FULL NAME OF SOLE OR FIRST ASSIGNOR Shakeel NASIR | ASSIGNOR'S SIGNATURE  | DATE 02/09/2013 |
| ADDRESS 5931 Stewart Drive, Apt. #1021, Willowbrook, IL 60527 | | CITIZENSHIP PAKISTAN |
| | | |

| | | |
|--|--|------------------------------|
| 1. WITNESS NAME RICHARD G. EGGERT | WITNESS SIGNATURE <i>Richard G. Eggert</i> | DATE 7/9/13 |
| ADDRESS 6732 Woodridge Dr. WOODRIDGE, IL 60517 | | CITIZENSHIP United States |
| 2. WITNESS NAME DIANA J. GRUBE | WITNESS SIGNATURE <i>Diana J. Grube</i> | DATE 7/9/13 |
| ADDRESS 13407 HUNTMASER LN LEMONT, IL 60439 | | CITIZENSHIP United States |
| 2. FULL NAME OF SECOND ASSIGNOR Joshua David SCHUELER | ASSIGNOR'S SIGNATURE <i>Joshua David Schueler</i> | DATE 7/9/13 |
| ADDRESS 2862 Cole Lane, New Lenox, IL 60451 | | CITIZENSHIP USA |
| 1. WITNESS NAME RICHARD G. EGGERT | WITNESS SIGNATURE <i>Richard G. Eggert</i> | DATE 7/9/13 |
| ADDRESS 6732 Woodridge Dr. WOODRIDGE, IL 60517 | | CITIZENSHIP USA |
| 2. WITNESS NAME DIANA J. GRUBE | WITNESS SIGNATURE <i>Diana J. Grube</i> | DATE 7/9/13 |
| ADDRESS 13407 HUNTMASER LN LEMONT, IL 60439 | | CITIZENSHIP United States |