

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>Elke WEISS</td> <td>08/20/2013</td> </tr> <tr> <td>Gregor KAPPEMEYER</td> <td>08/19/2013</td> </tr> <tr> <td>Florian STAPPENBECK</td> <td>08/22/2013</td> </tr> </tbody> </table> | | Name | Execution Date | Elke WEISS | 08/20/2013 | Gregor KAPPEMEYER | 08/19/2013 | Florian STAPPENBECK | 08/22/2013 | | |
| Name | Execution Date | | | | | | | | | | |
| Elke WEISS | 08/20/2013 | | | | | | | | | | |
| Gregor KAPPEMEYER | 08/19/2013 | | | | | | | | | | |
| Florian STAPPENBECK | 08/22/2013 | | | | | | | | | | |
| RECEIVING PARTY DATA | | | | | | | | | | | |
| <table border="1"> <tr> <td>Name:</td> <td>Rolls-Royce Deutschland Ltd & Co KG</td> </tr> <tr> <td>Street Address:</td> <td>Eschenweg 11</td> </tr> <tr> <td>City:</td> <td>Blankenfelde-Mahlow</td> </tr> <tr> <td>State/Country:</td> <td>GERMANY</td> </tr> <tr> <td>Postal Code:</td> <td>15827</td> </tr> </table> | | Name: | Rolls-Royce Deutschland Ltd & Co KG | Street Address: | Eschenweg 11 | City: | Blankenfelde-Mahlow | State/Country: | GERMANY | Postal Code: | 15827 |
| Name: | Rolls-Royce Deutschland Ltd & Co KG | | | | | | | | | | |
| Street Address: | Eschenweg 11 | | | | | | | | | | |
| City: | Blankenfelde-Mahlow | | | | | | | | | | |
| State/Country: | GERMANY | | | | | | | | | | |
| Postal Code: | 15827 | | | | | | | | | | |
| 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>13995876</td> </tr> </tbody> </table> | | Property Type | Number | Application Number: | 13995876 | | | | | | |
| Property Type | Number | | | | | | | | | | |
| Application Number: | 13995876 | | | | | | | | | | |
| CORRESPONDENCE DATA | | | | | | | | | | | |
| <p>Fax Number: 3193658443 <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i></p> <p>Phone: 3193659461 Email: uspto@shuttleworthlaw.com Correspondent Name: Timothy J. Klima Address Line 1: P.O. Box 2107 Address Line 4: CEDAR RAPIDS, IOWA 52406</p> | | | | | | | | | | | |
| ATTORNEY DOCKET NUMBER: | 20560-0749 | | | | | | | | | | |
| NAME OF SUBMITTER: | Timothy J. Klima | | | | | | | | | | |
| Signature: | /TIMOTHY J. KLIMA/ | | | | | | | | | | |
| Date: | 08/22/2013 | | | | | | | | | | |
| Total Attachments: 1 source=Assignment#page1.tif | | | | | | | | | | | |

OP \$40.00 13995876

NONPROVISIONAL PATENT ASSIGNMENT

Please return signed/recorded to:

Attorney Docket No. 20560-0749

[Customer Number: 23486]

Shuttleworth & Ingersoll, PLC

115 3rd Street SE, Suite 500

Cedar Rapids, IA 52401

Phone: (319) 365-9461

Fax: (319) 365-8443

Email: uspto@shuttleworthlaw.com

In consideration of the sum of Ten Dollars (\$10.00) and other good and valuable consideration paid to each of the undersigned, to wit:

| | | | | |
|--|----|---------------------|--------------------------|------------------------------|
| INSERT NAME(S) OF INVENTOR(S) | 1. | Elke WEISS | 4. | |
| | 2. | Gregor KAPPMAYER | 5. | |
| | 3. | Florian STAPPENBECK | <input type="checkbox"/> | X box if continued on page 2 |

the receipt and sufficiency of which are hereby acknowledged by the undersigned who at the request of, hereby sell(s), assign(s) and transfer(s) unto:

| | |
|--|-------------------------------------|
| INSERT NAME(S) OF ASSIGNEE(S) & ADDRESS(ES) | Rolls-Royce Deutschland Ltd & Co KG |
| | Eschenweg 11 |
| | 15827 Blankenfelde-Mahlow |
| | GERMANY |

(hereinafter designated "ASSIGNEE") the entire right, title and interest in the invention and all applications including any and all previously filed applications; any and all future divisions, continuations, substitutes, reissues, foreign and PCT applications thereof; and all resulting patents, known as

| | |
|------------------------|---|
| INVENTION TITLE | METHOD FOR REPAIRING COMPRESSOR OR TURBINE DRUMS |
|------------------------|---|

for which the undersigned executed an application for Letters Patents of the United States of America:

| | | | | |
|-------------------------------------|-----------------------|------------|----------|---------------|
| <input type="checkbox"/> | on even date herewith | | | |
| <input checked="" type="checkbox"/> | U.S. Appl. No. | 13/995,876 | filed on | June 19, 2013 |

AND the undersigned hereby authorize(s) and request(s) the United States Commissioner of Patents and Trademarks to issue said Letters Patent to said ASSIGNEE, for its interest as ASSIGNEE, its successors, assigns and legal representatives; the undersigned agree(s) that the attorney of record in said application shall hereinafter act on behalf of said ASSIGNEE;

AND the undersigned hereby agree(s) to testify and execute any papers for ASSIGNEE, its successors, assigns and legal representatives, deemed essential by ASSIGNEE to ASSIGNEE'S full protection and title in and to the invention hereby transferred.

The undersigned hereby authorize(s) Shuttleworth & Ingersoll, PLC of the above address to insert hereon any further identification necessary or desirable for recordation of this document.

INVENTOR

DATE SIGNED

WITNESS

Name: Elke WEISS

20.08.2013

F. Wörner Frederik Wörner

Name: Gregor KAPPMAYER

19.8.2013

Ulrich A. Reinfeld

Name: Florian STAPPENBECK

22.8.2013

Alexandra Weiher

PATENT

RECORDED: 08/22/2013

REEL: 031060 FRAME: 0788