

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
Stylesheet Version v1.2

EPAS ID: PAT3147900

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|---|-------------------------------------|
| SUBMISSION TYPE: | NEW ASSIGNMENT |
| NATURE OF CONVEYANCE: | ASSIGNMENT |
| CONVEYING PARTY DATA | |
| Name | Execution Date |
| IVO SZARVASY | 12/15/2014 |
| FRIEDRICH LOHMANN | 12/15/2014 |
| RECEIVING PARTY DATA | |
| Name: | ROLLS-ROYCE DEUTSCHLAND LTD & CO KG |
| Street Address: | ESCHENWEG 11 |
| City: | BLANKENFELDE-MAHLOW |
| State/Country: | GERMANY |
| Postal Code: | 15827 |
| PROPERTY NUMBERS Total: 1 | |
| Property Type | Number |
| Application Number: | 14570636 |
| CORRESPONDENCE DATA | |
| Fax Number: | (319)365-8443 |
| <i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.</i> | |
| Phone: | 3193659461 |
| Email: | uspto@shuttleworthlaw.com |
| Correspondent Name: | TIMOTHY J. KLIMA |
| Address Line 1: | PO BOX 2107 |
| Address Line 4: | CEDAR RAPIDS, IOWA 52406 |
| ATTORNEY DOCKET NUMBER: | 20560-0822 |
| NAME OF SUBMITTER: | TIMOTHY J. KLIMA |
| SIGNATURE: | /TIMOTHY J. KLIMA/ |
| DATE SIGNED: | 12/15/2014 |
| Total Attachments: 1 source=Assignment#page1.tif | |

NONPROVISIONAL PATENT ASSIGNMENT

Please return signed/recorded to:

Attorney Docket No. 20560-0821

[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. | Ivo SZARVASY | 4. | |
| | 2. | Friedrich LOHMANN | 5. | |
| | 3. | | <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 | Cooled flange connection of a gas-turbine engine |
|------------------------|---|

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

| | | | |
|-------------------------------------|-----------------------|--|----------|
| <input checked="" type="checkbox"/> | on even date herewith | | |
| <input type="checkbox"/> | U.S. Appl. No. | | filed on |

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.

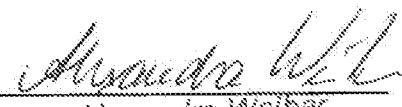
INVENTOR

DATE SIGNED

WITNESS

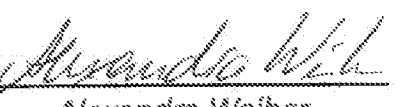

 Name: Ivo SZARVASY

15.12.2014


 Alexandra Weiher


 Name: Friedrich LOHMANN

15. DEZ. 2014


 Alexandra Weiher