505620057 08/13/2019

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT5666859

| SUBMISSION TYPE: | NEW ASSIGNMENT |
|-----------------------|----------------|
| NATURE OF CONVEYANCE: | ASSIGNMENT |

CONVEYING PARTY DATA

| Name | Execution Date |
|------------------|----------------|
| DONALD KLEMEN | 08/08/2019 |
| RUSSELL E. WHITE | 07/18/2019 |
| ERIC E. WILSON | 08/12/2019 |

RECEIVING PARTY DATA

| Name: | ROLLS-ROYCE CORPORATION | |
|-----------------|-------------------------|--|
| Street Address: | 450 S. MERIDIAN STREET | |
| City: | INDIANAPOLIS | |
| State/Country: | INDIANA | |
| Postal Code: | 46225-1103 | |

PROPERTY NUMBERS Total: 2

| Property Type | Number |
|---------------------|----------|
| Application Number: | 16539785 |
| Application Number: | 62847152 |

CORRESPONDENCE DATA

Fax Number:

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.

Phone: 651-735-1100

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Correspondent Name: SHUMAKER & SIEFFERT, P.A. ROLLS-ROYCE CO

Address Line 1: 1625 RADIO DRIVE

Address Line 2: SUITE 100

Address Line 4: WOODBURY, MINNESOTA 55125

| ATTORNEY DOCKET NUMBER: | 1106-412US01/RCA12336 |
|-------------------------|-----------------------|
| NAME OF SUBMITTER: | NANCY J. BURR |
| SIGNATURE: | /Nancy J. Burr/ |
| DATE SIGNED: | 08/13/2019 |

Total Attachments: 3

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PATENT 505620057 REEL: 050042 FRAME: 0151

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PATENT REEL: 050042 FRAME: 0152 Donald Klemen

Attorney Docket No.:1106-412USP1/1106-412US01

ASSIGNMENT

For valuable consideration, we, Donald Klemen of 13137 Cheval Ct., Carmel, IN 46033, Russell E. White of 3936 Broadway St., Indianapolis, IN 46205, and Eric E. Wilson of 9484 N Staton Dr., Mooresville, IN 46158, hereby assign to: Rolls-Royce Corporation, having a place of business at: 450 S. Meridian Street, Indianapolis, IN 46225-1103, United States of America, and its successors and assigns (collectively hereinafter called "the Assignee") the entire right, title and interest throughout the world in the inventions and improvements which are the subject of applications for United States Patent signed by us, entitled BLEED AIR CHARGED COOLING SYSTEM WITH TURBO-GENERATOR, filed $^{-}$ May $^{13,\,2019}$, and assigned U.S. Serial Number 62/847,152 ; along with application entitled BLEED AIR CHARGED COOLING SYSTEM WITH TURBO-GENERATOR, filed August 13, 2019 and assigned U.S. Serial Number 16/539,785, this assignment including said application, (and do hereby authorize the Assignee and its representative to hereafter add herein such application number(s) and/or filing date(s) when known), any provisional, non-provisional, continuation, continuation-in-part, divisional, reissue, renewal, extension or other application for any of said inventions or improvements, any and all United States and foreign patents, utility models, and design registrations granted for any of said inventions or improvements, and the right to claim priority based on the filing date of said application under the International Convention for the Protection of Industrial Property, the Patent Cooperation Treaty, the European Patent Convention, and all other treaties of like purposes and we authorize the Assignee to apply in all countries in our name or in its own name for patents, utility models, design registrations and like rights of exclusion and for inventors' certificates for said inventions and improvements; and we agree for ourselves and our respective heirs, legal representatives and assigns, without further compensation to perform such lawful acts and to sign such further applications, assignments, Preliminary Statements and other lawful documents as the Assignee may reasonably request to effectuate fully this assignment.

> PATENT REEL: 050042 FRAME: 0153

| 8 <i>A</i> Date: | Aug2019 | 1 Jyran |
|---------------------|-----------|------------------|
| | | Donald Klemen |
| Date: | | Russell E. White |
| Date: | 12Aug2019 | Eric E. Wilson |

| Date: | Donald Klemen |
|-----------------|------------------|
| Date: 7/18/2019 | Russell E. White |
| Date: | Eric E. Wilson |

Attorney Docket No.:1106-412USP1/1106-412US01 -Assignment

RCA12336

PATENT REEL: 050042 FRAME: 0155

RECORDED: 08/13/2019