PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2

EPAS ID: PAT5847486

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

CONVEYING PARTY DATA

| Name | Execution Date |
|---------------------|----------------|
| DAVID R. COLES | 03/28/2018 |
| GAVIN M. ROWNTREE | 04/11/2018 |
| MATTHEW J. WILLSHEE | 04/17/2018 |
| ZUBAIR AHMED | 05/18/2018 |

RECEIVING PARTY DATA

| Name: | ROLLS-ROYCE PLC | |
|------------------------------------|-----------------|--|
| Street Address: 62 BUCKINGHAM GATE | | |
| City: | LONDON | |
| State/Country: GREAT BRITAIN | | |
| Postal Code: | SW1E 6AT | |

PROPERTY NUMBERS Total: 1

| Property Type | Number | | |
|---------------------|----------|--|--|
| Application Number: | 16292416 | | |

CORRESPONDENCE DATA

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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.

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ATTORNEY DOCKET NUMBER: 16482-40 (6630-US) **NAME OF SUBMITTER:** MICHAEL E. HUSSEY **SIGNATURE:** /mh/ **DATE SIGNED:** 12/03/2019

Total Attachments: 5

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PATENT REEL: 051164 FRAME: 0083

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PATENT REEL: 051164 FRAME: 0084

ASSIGNMENT (BEING FILED FOR DUAL PURPOSE UNDER 37 CFR 1.63(e)) For Application with Filing Date on or after September 16, 2012

ASSIGNMENT

| | | | COLES, David R; | | | |
|-------|--|--|---|---|--|--|
| (1-8) | Inventor(s) | | ROWNTREE, Gavin M; | | | |
| (1-0) | | | WILLSHEE, Matthew J; | | | |
| | | | AHMED, Zubair | | | |
| | In consideration of the sum of sufficiency of which are hereby | one dollar y acknowl | (\$1.00) and other good and valuable consideration paid to each of the undersigned, the receipt and edged, each undersigned agrees to assign, and hereby does assign, transfer and set over to | _ | | |
| (9) | Insert Name of Assig | | ROLLS-ROYCE plc | | | |
| (10) | Insert Address of As | signee | 62 Buckingham Gate, London, SW1E 6AT, Great Britain | _ | | |
| | for the United States of Americ provisional, non-provisional, d | ca as defir ivisional, d reexami | and Assignee's heirs, successors, assigns and legal representatives, the entire right, title and interest and in 35 U.S.C. §100, in the invention, and in all applications for patent including any and all continuation, international, confirmation, substitute and reissue application(s), and all Letters nation certificates that may be granted on the invention known as | : | | |
| (11) | such as Title, Case | (11) | A Geared Turbofan Engine Mount Arrangement | | | |
| | Number, or Foreign | _ | 6630 NJR | | | |
| | Application Number | (Attor | ney Docket No. 16482-40 (6630-US) |) | | |
| (12) | Alternative | (12) | U.S. Application Number 16/292,416 | | | |
| | Identification for | | | | | |
| | filed applications | filed | March 5, 2019 | | | |
| | for the invention and a as the Assignee may d 2) Each undersigned ag be declared concernin every way possible in 3) Each undersigned ag necessary in connection Industrial Property or 4) Each undersigned ag confirm by reissue or 5) Each undersigned at other issuing authoritias Assignee of the ent | also to e leem ne grees to g any ap obtaini grees to on with similar grees to reexam uthorize ies to issinite inter | execute all papers necessary in connection with any interference which may epplication or patents for the invention and to cooperate with the Assignee in ng evidence and going forward with such interference. execute all papers and documents and perform any act which may be claims or provisions of the International Convention for Protection of | ď | | |

agrees that this assignment is binding on Assignor and Assignor's heirs, successors, assigns and legal

Patent and Trademark Office for recordation of this document.

6) Each undersigned hereby grants the Assignee's agent the power to insert on this assignment any further identification that may be necessary or desirable in order to comply with the rules of the United States

representatives.

PATENT REEL: 051164 FRAME: 0085

As an above named inventor, I hereby declare that:

I believe I am the original inventor or an original joint inventor of a claimed invention (or claimed design) in the above-identified application for which this declaration is being submitted.

The application was made or authorized to be made by me.

I have reviewed and understand the contents of the above-identified application, including the claims, and am aware of the duty to disclose to the Office all information known to me to be material to patentability as defined in 37 CFR §1.56.

I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine or imprisonment of not more than five (5) years, or both.

In witness whereof, executed by the undersigned on the date opposite the undersigned name.

| Invent | tor | | |
|--------|---|--------------------------------------|--|
| Print | name) COLES, David R | | |
| Date | 28th Merch 2018 | Inventor Signa | ture (SEAL) |
| Cons | This assignment should preferably but if outside the U.S.A. If neither, the | oe signed before n it should be s | e: (a) a Notary Public if within the U.S.A. (b) a U.S. igned before at least two witnesses who also sign here: |
| Date | 28 March 2018 | Witness | DAVID JOHN BOYD |
| Date | 28th March 2018 | Witness | Burin Satura. |

As an above named inventor, I hereby declare that:

I believe I am the original inventor or an original joint inventor of a claimed invention (or claimed design) in the above-identified application for which this declaration is being submitted.

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In witness whereof, executed by the undersigned on the date opposite the undersigned name.

| Invente | or | | | | |
|----------|----------|---|--------------------|--|----------|
| (Print s | name) | ROWNTREE, Gavin | M | | |
| Bate | 11 APRIL | - 2018 | Inventor Signature | QQ | (SEAL) |
| Consu | | | | a) a Notary Public if within the U.S.A. (b) and before at least two witnesses who also | |
| Dute | li accu | <u> 2018 </u> | Witness | STEPHEN SUMMERS S | <u> </u> |
| Date | <u> </u> | <u>1 2018</u> | Witness | Stanibudo | |

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In witness whereof, executed by the undersigned on the date opposite the undersigned name.

| Invent | or | | | |
|--------|-----------------|------------------|--|--------|
| (Print | willshee, Matth | ew J | | |
| Date | 17th April 2018 | Inventor Signatu | re Millshee | (SEAL) |
| Consi | | | (a) a Notary Public if within the U.S.A. (b) a ned before at least two witnesses who also significantly the state of the s | |
| Date | 17 April 2018 | Witness | D. M. Beaven | |
| Date | 17 APRIL 2018 | Witness | M WKCHOT | ~ |

RECORDED: 12/03/2019

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The application was made or authorized to be made by me.

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I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine or imprisonment of not more than five (5) years, or both.

In witness whereof, executed by the undersigned on the date opposite the undersigned name.

| Invento | r | | 1 | |
|----------|---|--------------------|-----------|-------------------|
| (Print r | name) AHMED, Zubair | | 1/10 | |
| Date | 18 MAY 2018 | Inventor Signature | _ May (| (SEAL) |
| Consu | This assignment should preferably be l if outside the U.S.A. If neither, then | | | |
| Date | 18 May 2018 | Witness | M barbell | JILLIAN C GASKELL |
| Date | 18 MAY ZONCE | Witness | Rosso | RODERICK MOERLAND |

PATENT REEL: 051164 FRAME: 0089