| Assignment Recordatio Director of the U.S. Pate and Trademark Off P.O. Box 1450 Alexandria, VA 2231 | ice | |
|---|---|--|
| | Please record the attached ori | ginal document or copy thereof. |
| I. A. Name of con | veying parties: | 2. A. Name and address of receiving party: |
| 2) Paul B 3) Richar 4) Gary A | el Christopher WILLMOT ROUGHTON d PEACE Ilan SKINNER Charles KENNEA | ROLLS-ROYCE PLC 65 BUCKINGHAM GATE LONDON, SW1E 6AT GREAT BRITAIN |
| B. Additional n | ame(s) of conveying party(ies) attached? | |
| 3. A. Nature of co | nveyance: | B. Additional name(s) & address(es) attached? ☐ Yes ⊠ No |
| Assignment Security Age Other | | Received Participants Received Participants FEB - 6 2013 |
| 2) December 6. | atc: <u>1) November 30, 2012;</u> 2012; <u>3) January 18, 2013;</u> 0, 2012; <u>5) December 7, 2012</u> | Sth Floor |
| 4. 🗌 This docume | nt is being filed together with a new appli | cation. |
| A. Patent Appli | cation No. 13/716,808 | B. Patent No.(s) |
| D 🕅 This A | ication: <u>ELECTRICAL RAFT ASSE</u> | I ttached? Yes No <u>EMBLY</u> se: (1) recording in the assignment database; and (2) for use in declaration pursuant to 37 CFR 1.63(c). |
| Name and address concerning docum | of party to whom correspondence ent should be mailed: | 6. Total number of applications and patents involved: $\underline{1}$ |
| Name: James A | A. Oliff | 7. Please charge Deposit Account No. 15-0461 the total fee (37 CFR 3.41) in the amount of \$40.00. |
| Р | LIFF & BERRIDGE, PLC O. Box 320850 lexandria, VA 22320-4850 | Credit any overpayment of charge anyidinderpayment of 594 1 deposit account number, 55-0461. 40.00 DA |
| original documen | knowledge and belief, the foregoing inform | nation is true and correct and any attached copy is a true copy of the Date: January 31, 2013 |
| Matthew C. Ba | Registration No. 27,075 rthalow, Registration No. 60,323 er of pages including cover sheet, attachme | ents, and document: 9 |

ASSIGNMENT

| | Insert | (1) | Michael Christopher WILLMOT | (2) | Paul BROUGHTON |
|---------|--|----------------------------|--|---|--|
| (1-8) | Legal Name(s) | (3) | Richard PEACE | (4) | Gary Alan SKINNER |
| | of Inventor(s) | (5) | Robin Charles KENNEA | (6) | |
| | | (7) | | (8) | |
| | | the un | sideration of the sum of one dollar (dersigned, the receipt and sufficiency , and hereby does assign, transfer and | y of which are l | r good and valuable consideration paid to each of nereby acknowledged, each undersigned agrees to |
| (9) | Insert Name of Assignee | (9) | ROLLS-ROYCE PLC | | |
| (10) | Insert Address of Assignee | (10) | 65 Buckingham Gate, London, S | WIE 6AT, Gro | cat Britain |
| (11) | Insert Identification such as Title, Case | the en invent contin | tire right, title and interest for the Un ion, and in all applications for patent uation, international, confirmation, s | nited States of A t including any substitute and re | cirs, successors, assigns and legal representatives, tmerica as defined in 35 U.S.C. §100, in the and all provisional, non-provisional, divisional, cissue application(s), and all Letters Patent, ay be granted on the invention known as |
| | Such as Thie, Case Number, or Foreign Application Number | (Atto | mey Docket No. 55861 | |) |
| (12) | Alternative | (12) | U.S. Application Number | 13/716. | 808 |
| | Identification for | | | , | |
| | filed applications | filed | December 17, 2012 | | · |
| to exec | ute separate assignments in | connection | with such applications and patents | s as the Assign | oplication and/or patent for the invention and also ee may deem necessary. |
| applica | 2) Each undersigned our | es to exer | ute all naners necessary in connecti | ion with any in | terference which may be declared concerning any le in obtaining evidence and going forward with |

3) Each undersigned agrees to execute all papers and documents and perform any act which may be necessary in connection with claims or provisions of the International Convention for Protection of Industrial Property or similar agreements.

4) Each undersigned agrees to perform all affirmative acts which may be necessary to obtain, maintain or confirm by reissue or reexamination a grant of a valid United States patent to the Assignce.

5) Each undersigned authorizes and requests the Commissioner of the U.S. Patent and Trademark Office and other issuing authorities to issue any and all patents resulting from said application(s) to the said Assignce, as Assignee of the entire interest, and covenants that he has full right to convey the entire interest herein assigned, and that he has not executed, and will not execute, any agreement(s) in conflict herewith, and agrees that this assignment is binding on Assignor and Assignor's heirs, successors, assigns and legal representatives.

6) Each undersigned hereby grants the firm of OLIFF & BERRIDGE, PLC 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 Patent and Trademark Office for recordation of this document.

(13) Declaration

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.

PATENT REEL: 029856 FRAME: 0054

1 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.

| Date 30/NOV/12 | Inventor Signature | M Willmot HI MAEL C GULLIOT | (SEAL) |
|--|---|---|--------|
| Date | Inventor Signature | P Broughton | (SEAL) |
| Date | Inventor Signature | R Peace | (SEAL) |
| Date | Inventor Signature | G Skinner | (SEAL) |
| Date | Inventor Signature | R Kennea | (SEAL) |
| Date | Inventor Signature | | (SEAL) |
| Date This assignment should preferably be signed neither, then it should be signed before at least two w | before: (a) a Notary Put | blic if within the U.S.A. (b) a U.S. Consul if outside there: | |
| • | | A.L.Pence A.J. BRO | |
| Date 20/10:1/12 | | 4/ Pour A.Bran | |
| Date | | | |
| | Witnesses for M Willmott N:11Mot MU | 4/ Pour A.Bran | |
| Date | Witnesses for M Willmott Willmot Witnesses for P Broughton Witnesses for | 4/ Pour A.Bran | |

ASSIGNMENT

| | Insert | (1) | Michael Christopher WILLMO | T (2) | Paul BROUGHTON | |
|----------|---|----------------------------|--|---|---|--|
| (1-8) | Legal Name(s) | (3) | Richard PEACE | (4) | Gary Alan SKINNER | |
| | of Inventor(s) | (5) | Robin Charles KENNEA | (6) | | |
| | | (7) | | (8) | An old sectors and an an an and a sector | |
| | | the un | | ncy of which are | er good and valuable consideration paid to each of hereby acknowledged, each undersigned agrees to | |
| (9) | Insert Name of Assignee | (9) | ROLLS-ROYCE PLC | | | |
| (10) | Insert Address of Assignee | (10) | (10) 65 Buckingham Gate, London, SW1E 6AT, Great Britain | | | |
| | • | the en invent contin | tire right, title and interest for the U ion, and in all applications for pate mation, international, confirmation | United States of A ent including any , substitute and r | cirs, successors, assigns and legal representatives, America as defined in 35 U.S.C. §100, in the and all provisional, non-provisional, divisional, cissue application(s), and all Letters Patent, aay be granted on the invention known as | |
| (11) | Insert Identification such as Title, Case Number, or Foreign | (11) | Electrical Raft Assembly | | | |
| | Application Number | (Atto | mey Docket No. <u>155861</u> | |) | |
| (12) | Alternative | (12) | U.S. Application Number | 13/716. | 808 | |
| | Identification for | | | | | |
| | filed applications | filed | December 17, 2012 | | | |
| to execu | Each undersigned agree to separate assignments in c | es to exec onnectior | ute all papers necessary in connect with such applications and paten | ction with any ag its as the Assign | oplication and/or patent for the invention and also ee may deem necessary. | |

2) Each undersigned agrees to execute all papers necessary in connection with any interference which may be declared concerning any application or patents for the invention and to cooperate with the Assignee in every way possible in obtaining evidence and going forward with such interference.

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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.

| Date | | Inventor Signature | M Willmot | (SEAL) |
|-------------|--|--|---|--------|
| Date | 12-6-12 | Inventor Signature | P Broughton Per Brue / 100- | (SEAL) |
| Date | | Inventor Signature | _R Peace | (SEAL) |
| Date | 11/30/12- | Inventor Signature | C Skinner JoryAla | (SEAL) |
| Date | | Inventor Signature | R Kennea | (SEAL) |
| Date | | Inventor Signature | | (SEAL) |
| Date | This assignment should preferably be signed to then it should be signed before at least two w | Inventor Signature before: (a) a Notary Put | lic if within the U.S.A. (b) a U.S. Consul if outside the | |

Witnesses for M Willmott Date 12/6/12 JNIMAMS. Witnesses for 12/6/12 1. GIBSON-LEITCH Date **P** Broughton Witnesses for R Peace Date 11 3-112 M. BIEKS Witnesses for G Skinner 11/30/12 S. AGGAR Date Witnesses for **R** Kennea Date

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ASSIGNMENT

| | Insert | (1) | Michael Christopher WILLMOT | (2) | Paul BROUGHTON | |
|-------|---|--|---|--|--|--|
| (1-8) | Legal Name(s) | (3) | Richard PEACE | (4) | Gary Alan SKINNER | |
| | of Inventor(s) | (5) | Robin Charles KENNEA | (6) | | |
| | | (7) | | (8) | | |
| | | the un | sideration of the sum of one dollar (\$1.0 dersigned, the receipt and sufficiency of , and hereby does assign, transfer and se | which are l | r good and valuable consideration paid to each of acreby acknowledged, each undersigned agrees to | |
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| (10) | Insert Address of Assignee | (10) 65 Buckingham Gate, London, SWIE 6AT, Great Britain | | | | |
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| (11) | Insert Identification such as Title, Case | (11) | Electrical Raft Assembly | | · . | |
| | Number, or Foreign Application Number | (Atto | mey Docket No. 155861 | |) | |
| (12) | Alternative Identification for | (12) | U.S. Application Number <u>1</u> | <u>3/716,8</u> | 08 | |
| | filed applications | filed | December 17, 2012 | | the state of the second for the invention and also | |

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5178 MRH

| Date | • . | Inventor Signature | M Willmot | (SEAL) |
|----------|--|--|---|-------------|
| Date | | Inventor Signature | P Broughton | (SEAL) |
| Date | 18-Ja-2013 | Inventor Signature | R Peace | (SEAL) |
| Date | | Inventor Signature | G Skinner | (SEAL) |
| Date | | Inventor Signature | R Kennea | (SEAL) |
| Date | | Inventor Signature | | (SEAL) |
| Date | | | | (SEAL) |
| neither, | then it should be signed before at least two w | l before: (a) a Notary Pu /itnesses who also sign h | blic if within the U.S.A. (b) a U.S. Consul if outside there: | e U.S.A. If |
| Date | · · · | Witnesses for M Willmott | | |
| Date | | Witnesses for P Broughton | | |
| Date | 18-5- 2013 | Witnesses for R Peace | M Midale 1000 | |
| Date | | Witnesses for G Skinner | | |
| Date | | Witnesses for R Kennea | | |
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ASSIGNMENT

| | Insert | (1) | Michael Christopher WILLMOT | (2) | Paul BROUCHTON | | |
|--------------------|--|--|---|---|--|--|--|
| (1-8) | Legul Name(s) | (3) | Richard PEACE | (4) | Gary Alan SKINNER | | |
| | of Inventor(s) | (5) | Robin Charles KENNEA | (6) | | | |
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| | filed applications | filed | December 17. 2012 | | | | |
| applica such in | ute separate assignments in 2) Each undersigned agree tion or patents for the inven- terference. 3) Each undersigned agree | connection les to exection and to less to exect | ute all papers necessary in connecti with such applications and patents ute all papers necessary in connecti cooperate with the Assignee in ever | as the Assign on with any in ery way possib erform any act | terference which may be declared concerning any le in obtaining evidence and going forward with which may be necessary in connection with | | |

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> PATENT REEL: 029856 FRAME: 0060

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5178 5(8)

| Date | | Inventor Signature | M Willmot | (SEAL) |
|------------------|---|------------------------------|---|----------|
| Date | | Inventor Signature | P Broughton | (SEAL) |
| Date | | Inventor Signature | R Peace | (SEAL) |
| Date | | Inventor Signature | <u>G Skinner</u> | (SEAL) |
| Date | 12/07/2012 | Inventor Signature | Risin C. <u>Lelle</u> | (SEAL) |
| Date | | Inventor Signature | · | _ (SEAL) |
| Date ncither, | This assignment should preferably be signed then it should be signed before at least two w | before: (a) a Notary Pul | blic if within the U.S.A. (b) a U.S. Consul if outside there: | |
| Date | | Witnesses for M Willmett | | |
| Date | | Witnesses for P Broughton | | |
| Date | | Witnesses for R Peace | | |
| Date | | Witnesses for G Skinner | | |
| Date | 12/07/2012 | Witnesses for R Kennea | Thomas Muliaire | <u>_</u> |

PATENT REEL: 029856 FRAME: 0061

RECORDED: 02/06/2013