| Mail Stop: Assignment Recordation Services Director of the U.S. Patent and Trademark Office P.O. Box 1450 Alexandria, VA 22313-1450 | RECORDATION FORM COVER SHEET PATENTS ONLY Attorney Docket No. 147014 | |
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| Please record the attached document. | 1869 Pocket 101 147014 | |
| Total number of pages including cover she | et, attachments, and document: 1 | |
| A. Name of conveying parties: 1) Christopher T. J. SHEAF 2) Zahid M. HUSSAIN B. Additional name(s) of conveying | ROLLS-ROYCE PLC 65 BUCKINGHAM GATE | IAIN ·· |
| 3. A. Nature of conveyance: Assignment | B. Additional name(s) & address(es) attached? ☐Yes ☒ No Merger | |
| ☐ Security Agreement ☐ ☐ Other B. Execution Date: 08/26/2010-4 | Change of Name | |
| 4. A. Patent Application No.) 12/88 | B. Patent No.(s) | <u>.</u> . |
| | Additional numbers attached? Yes No | |
| C. Title of Application: A BOU | NDARY LAYER ENERGISER | |
| Name and address of party to whom co concerning document should be mailed | | 1 |
| Name: <u>James A. Oliff</u> | 7. Please charge Deposit Account No. 15-0 total fee (37 CFR 3.41) in the amount of \$5 | |
| Address: OLIFF & BERRIDGE, P.O. Box 320850 Alexandria, VA 22320 Phone Number: 703-836 Fax Number: 703-836 | deposit account number 15-0461. | nt to |
| | | |
| 9. Statement and signature. To the best of my knowledge and belie original document. James A. Offf, Registration No. 27,07 Jewrey R. Bousquet, Registration No. 2 | Date: September 16, 2010 | v of the |
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PATENT REEL: 025002 FRAME: 0367

RECORDED: 09/16/2010

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| | | (b) _ | Christopher T J SHEAP | | (5) | |
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| (1-8) | Insect | (2) | Zahid M_HUSSAIN | | (6) | |
| | Name(s) of Inventor(s) | (3) | | | (7) | |
| | | (4) | | | (8) | |
| | | | consideration of the sur | m of one dolla | r (\$1,00) and other good and valuabl grees to assign, and berehy does assi | e consideration paid |
| (9) | Insert Name of Assignee | (9) | Rolls-Royce plg | | | |
| (10) | Insert Address of Assignce | | 65 Buckingham Gate, L | and due CW/IT/ | AT Cana Palenin | |
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| | | the entire invention continual | eright, title and interest f i, and in all applications iten, international, confir | or the United S for patent inclu marion, substit | ignee's heirs, successors, assigns and littes of America as defined in 35 U.S ding any and all provisional, non-pro- ute and reissue application(s), and all test that may be granted on the invention | C. §100, in the visional, divisional, Letters Patent. |
| (11) | Insert | (H) _ | | | | |
| | Identification such as Title, Case | | A Boundary Layer Ener | giser | | |
| | Number, or Foreign | | | | · | |
| | Application Number | | | | | |
| | | for which | i the undersigned has (h Iste herewith or | ave) executed | an application for patent in the Unite | ed States of America |
| (12) | Insert Date of | | | 6 2010 | | |
| | Signing of | (12) o | August 2 | 0, 2010 | <u> </u> | |
| | Application | | - | | 10/000 566 | |
| (1.3) | Alternative Identification for | (13) U | .S. application Serial N | umber | 12/883,566 | |
| | filed applications | filed _ | September 16 | , 2010 | ÷ • | |
| claims or reexamin Patents of full right and agre- identifications | gifee in every way possible it or provisions of the Internation of the Internation of the Internation of the Internation at grant of a valid Unit of Each undersigned authorithe United States resulting the convey the emire interested that this assignment is bit of Each undersigned herely | n obtaining of the convention | evidence and going for all papers and documention for Protection of he all affirmative acts whitent to the Assignee, quests the Commissione upplication(s) to the said greet, and that he has no and his heirs, successofton of OLIFF & BERRIL | vard with such ts and perform dustrial Proper ch may be nee r of the U.S. P Assignue, as a of executed, as ones, assigns and DGE, P.C. there | any act which may be necessary in a ty or similar agreements, essent to obtain, maintain or confirmation and Trademark Office to issue Assignee of the entire interest, and or will not account a second and account and the second agreement in the s | connection with the by reissue of any and all Letters ovenants that he has a conflict herewith, |
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| Dute | In witness whereof, execut | 2010 | Inventor Signat | | . ^ | (SEAL) |
| Date | 4025th 2 | 010 | - Inventor Signat | ure Z Huss | Mun | (SEAL) |
| neither, f | This assignment should pref ben it should be signed befo | embly be sig | gned before: (a) a Notary ro witnesses who also si | y Public if with gn here: | in the U.S.A. (b) a U.S. Consul if or | utside the U.S.A. If |
| Date | 26 Aug 2 | 010 | Witness for She | | | |
| Date _ | 26 Any 20 | 07 | Witness for She | c Do | had Trums | |
| Date – | 26 kmg 20 | 10 | Witness for Hussa | | had Thouse | |
| Date — | 26 Aug 20 | S | Witness for Plussa | | | |
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