502210217 01/28/2013

PATENT ASSIGNMENT

Electronic Version v1.1 Stylesheet Version v1.1

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

CONVEYING PARTY DATA

| Name | Execution Date |
|-----------|----------------|
| Ingo ROTH | 01/12/2012 |

RECEIVING PARTY DATA

| Name: | AIRBUS OPERATIONS GMBH | |
|-----------------|------------------------|--|
| Street Address: | Kreetslag 10 | |
| City: | Hamburg | |
| State/Country: | GERMANY | |
| Postal Code: | 21129 | |

PROPERTY NUMBERS Total: 1

| Property Type | Number |
|---------------------|----------|
| Application Number: | 13708282 |

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ATTORNEY DOCKET NUMBER: 052204-12112

NAME OF SUBMITTER: James E. Ledbetter

Total Attachments: 2

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PATENT REEL: 029706 FRAME: 0660 OF \$40.00 15/08282

Attorney Docket No.: 1716-106 (9A-116 602)
PATENT

For: [X] U.S. and/or [X] Foreign Rights For: [X] U.S. Application or [] U.S. Patent By: [X] Inventor(s) or [] Present Owner

ASSIGNMENT OF INVENTION

In consideration of the payment by ASSIGNEE to ASSIGNOR of the sum of One Dollar (\$1.00), the receipt of which is hereby acknowledged, and for other good and valuable consideration,

| ASSIGNOR(S | 3): |
|--|---|
| Ingo Roth | |
| hereby sells, assi | gns and transfers to |
| ASSIGNEE: | AIRBUS OPERATIONS GMBH (Type or print name of ASSIGNEE) Kreetslag 10 Address 21129 Hamburg DE |
| | Nationality rs, assigns and legal representatives of the ASSIGNEE ght, title and interest |
| | Percent (%) interest for the United States and its territorial possessions I all improvements which are disclosed in the invention entitled: |
| and which is fou | GSVORRICHTUNG SOWIE FLUGZEUGBEREICH MIT ABDECKUNGSVORRICHTUNG (Title of invention) nd in |
| (a) [] (b) [] (c) [X] (d) [X] (e) [] (f) [] | U.S. patent application executed on even date herewith. U.S. patent application executed on U.S. application Serial NO. 13/708,282 filed on December 7, 2012. U.S. provisional application No. 61/568669. filed on December 9, 2011. U.S. Patent No |
| (g) [X] | filed on and including the right to claim priority and, in and to, all Letters Patent to be obtained for said invention by the above application or any non-provisional application, continuation, continuation-in-part, divisional, renewal, or substitute thereof, and as to letters patent any reissue or reexamination thereof. |

PATENT REEL: 029706 FRAME: 0661 ASSIGNOR hereby covenants that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this assignment;

ASSIGNOR further covenants that ASSIGNEE will, upon its request, be provided promptly with all pertinent facts and documents relating to said invention and said Letters Patent and legal equivalents as may be known and accessible to ASSIGNOR and will testify as to the same in any interference, litigation or proceeding related thereto and will promptly execute and deliver to ASSIGNEE or its legal representatives any and all papers, instruments or affidavits required to apply for, obtain, maintain, issue and enforce said application, said invention and said Letters Patent and said equivalents thereof which may be necessary or desirable to carry out the purposes thereof.

| IN WIT | NESS WHEREOF, I/W | have hereunto set hand and seal this $4-12-207$ (Date of signing). |
|-----------|--|---|
| WARNING | : Date of signing mu | If be the same as the date of execution of the application if item (a) was checked above. |
| Ju, | | 1-12-2012 |
| Ingo Ro | th | Dated |
| If ASSIGI | NOR is a legal entity ec | mplete the following information |
| | | Type or print the name of the above person authorized to sign on behalf of ASSIGNOR |
| NOTE: P | No witnessing, notarization or vidence of execution 35 USC | Tifle: |
| | | [] Notarization or Legalization Page Added, |

PATENT REEL: 029706 FRAME: 0662

RECORDED: 01/28/2013