

PATENT ASSIGNMENT

Electronic Version v1.1
 Stylesheet Version v1.1

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| SUBMISSION TYPE: | NEW ASSIGNMENT |
| NATURE OF CONVEYANCE: | ASSIGNMENT |
| CONVEYING PARTY DATA | |
| Name | Execution Date |
| Ichwan Zuardy | 08/05/2011 |
| Karim Grase | 08/05/2011 |
| Wolfgang Voegel | 08/09/2011 |
| Axel Herrmann | 09/19/2011 |
| RECEIVING PARTY DATA | |
| Name: | AIRBUS OPERATIONS GmbH |
| Street Address: | Kreetslag 10 |
| City: | Hamburg |
| State/Country: | GERMANY |
| Postal Code: | D-21129 |
| PROPERTY NUMBERS Total: 1 | |
| Property Type | Number |
| Application Number: | 13189743 |
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| ATTORNEY DOCKET NUMBER: | 4404.92597 |
| NAME OF SUBMITTER: | Kevin W. Guynn |

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Total Attachments: 5

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GREER, BURNS & CRAIN, LTD.
300 South Wacker Drive, Suite 2500
Chicago, Illinois 60606

ASSIGNMENT

FOR VALUE RECEIVED, the receipt of which is hereby acknowledged, the following inventor or inventors (hereinafter called "ASSIGNOR")

- | | |
|---|--|
| 1) Ichwan Zuardy Ebelingerstrasse 4A 21073 Hamburg Germany | 2) Karim Grase Schopenhauer Strasse 67 28201 Bremen Germany |
| 3) Wolfgang Voegel Agnes-Miegel-Strasse 35a 28279 Bremen Germany | 4) Axel Herrmann Marderstieg 9 21684 Stade Germany |

hereby assigns, transfers and sets over to:

Name: AIRBUS OPERATIONS GmbH
Address: Kreetslag 10
D-21129 Hamburg, Germany

(hereinafter called "ASSIGNEE"), the entire worldwide right, title and interest in and to the invention known as:

STRUCTURAL ELEMENT FOR AN AIRCRAFT OR SPACECRAFT AND METHOD FOR PRODUCING SUCH A STRUCTURAL ELEMENT

for which a United States Patent Application was executed on even date herewith or, if not so executed, was:

- (a) executed on _____; or
(b) filed on July 25, 2011,
Serial No. 13/189,743;

and all rights and privileges under any Letters Patent which may be granted thereon, including all rights, if any, to sue for past infringement.

(1) The ASSIGNOR agrees without charge to said ASSIGNEE but at its expense (a) to execute (i) all necessary papers to be used in connection with this application and any additional, continuing, or divisional applications, as the ASSIGNEE may deem necessary or expedient, (ii) all papers in connection with any interference or other legal or quasi-legal proceedings relating to this application or any additional, continuing, or divisional application thereof; (b) to cooperate with ASSIGNEE in every way possible in obtaining evidence and going forward in any such proceedings; and (c) to perform all other affirmative acts which may be necessary or desirable to obtain a grant of a valid patent for said invention.


(2) ASSIGNOR hereby authorizes and requests the Commissioner of Patents and Trademarks of the United States to issue any and all Letters Patent that may be granted upon any patent application or any additional, continuing or divisional applications thereof to the ASSIGNEE, its successors and assigns.

(3) ASSIGNOR hereby covenants and warrants that he has full right to convey the entire right, title and interest by this instrument, free of any encumbrances and that no other agreement has been or will be executed in conflict herewith.

PATENT

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(4) ASSIGNOR hereby grants to the law firm of GREER, BURNS & CRAIN, L.L.P. of Chicago, Illinois, authority and power to insert on this instrument any further identification which may be necessary or desirable for purposes of recordation in the United States Patent and Trademark Office or a Patent Office of any foreign country

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|---|-------------------|---------------------|-------|
| 1) <u></u> | <u>05.08.2011</u> | 2) _____ | _____ |
| Name: Ichwan Zuardy | Date | Name: Karim Grase | Date |
| 3) _____ | _____ | 4) _____ | _____ |
| Name: Wolfgang Voege | Date | Name: Axel Herrmann | Date |

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|-----------------------------------|-------------------------------|
| 1) _____ | 2) _____ |
| Name: Ichwan Zuardy Date | Name: Karim Grase Date |
| 3) <u>Wolfgang Voege</u> 9.8.2011 | 4) _____ |
| Name: Wolfgang Voege Date | Name: Axel Herrmann Date |

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1) _____ 2) Karim Grise 05.08.2011
Name: Ichwan Zuardy Date Name: Karim Grise Date

3) _____ 4) _____
Name: Wolfgang Voege Date Name: Axel Herrmann Date

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|--------------------------------|---|
| 1) _____ | 2) _____ |
| Name: Ichwan Zuardy Date | Name: Karim Grase Date |
| 3) _____ | 4) <i>Axel Herrmann</i> <i>19.09.2011</i> |
| Name: Wolfgang Voege Date | Name: Axel Herrmann Date |