

PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT										
NATURE OF CONVEYANCE:	ASSIGNMENT										
CONVEYING PARTY DATA											
<table border="1"> <thead> <tr> <th>Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>Ichwan Zuardy</td> <td>01/25/2013</td> </tr> <tr> <td>Pierre Zahren</td> <td>01/31/2013</td> </tr> <tr> <td>Axel Siegfried Herrmann</td> <td>01/25/2013</td> </tr> </tbody> </table>		Name	Execution Date	Ichwan Zuardy	01/25/2013	Pierre Zahren	01/31/2013	Axel Siegfried Herrmann	01/25/2013		
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Axel Siegfried Herrmann	01/25/2013										
RECEIVING PARTY DATA											
<table border="1"> <tr> <td>Name:</td> <td>Airbus Operations GmbH</td> </tr> <tr> <td>Street Address:</td> <td>Kreetslag 10</td> </tr> <tr> <td>City:</td> <td>Hamburg</td> </tr> <tr> <td>State/Country:</td> <td>GERMANY</td> </tr> <tr> <td>Postal Code:</td> <td>D-21129</td> </tr> </table>		Name:	Airbus Operations GmbH	Street Address:	Kreetslag 10	City:	Hamburg	State/Country:	GERMANY	Postal Code:	D-21129
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PROPERTY NUMBERS Total: 1											
<table border="1"> <thead> <tr> <th>Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>13743739</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13743739						
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Application Number:	13743739										
CORRESPONDENCE DATA											
Fax Number: 9194190383 <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i> Email: lbridge@jwth.com Correspondent Name: Jeffrey L. Wilson Address Line 1: 3100 Tower Boulevard Address Line 2: Suite 1200 Address Line 4: Durham, NORTH CAROLINA 27707											
ATTORNEY DOCKET NUMBER:	3019/55 PCT/US										
NAME OF SUBMITTER:	Jeffrey L. Wilson										
Signature:	/jeffrey l wilson/										
Date:	04/25/2013										

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Total Attachments: 4

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PATENT

Attorney Docket No.: 3019/55 PCT/US

ASSIGNMENT

WHEREAS, we, Ichwan Zuardy, of Hamburg, Germany, Pierre Zahlen, of Stade, Germany, and Axel Siegfried Herrmann, of Stade, Germany, hereinafter ("Assignors"), have invented certain new and useful improvements in MAIN-LOAD-BEARING PLANKING SHELL AND STRUCTURAL COMPONENT AND FLOW BODY COMPRISING SUCH A MAIN-LOAD-BEARING PLANKING SHELL for which application for a U.S. Patent was made on January 17, 2013 as U.S. Patent Application No. 13/743,739 which claims priority to PCT application No. PCT/EP2011/003643 filed July 20, 2011, which claims the benefit of the filing date of German Patent Application No. DE 10 2010 031 688.1, DE 10 2010 031 690.3, DE 10 2010 027 695.2, DE 10 2010 027 696.0 and of United States Provisional applications US 61/365,857, US 61/365,863, US 61/365,873 and US 61/365,882, all filed on July 20, 2010.

AND, WHEREAS, Airbus Operations GmbH, a corporation duly organized and existing under the laws of Germany, having its principal office and place of business at Kreetslag 10, D-21129, Hamburg, Germany (hereinafter "Assignee"), is desirous of acquiring an interest therein.

NOW, THEREFORE, To Whom It May Concern, be it known that for good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, Assignors have sold and by these presents do hereby sell, assign, transfer and convey unto the Assignee, its successors and assigns, their entire right, title and interest in and to the invention and application, and in and to any and all United States patent applications filed pursuant to 35 U.S.C. § 111(a) pertaining to said invention and/or which claim priority to any and all foreign patent applications filed on the invention, and in and to any and all continuations, continuations-in-part, or divisions of any U.S. or foreign patent application filed on the invention, and in and to any and all Letters Patent of the United States of America and all foreign countries or reissues thereof which may be granted therefor or thereon, for the full end of the term for which said Letters Patent may be granted, together with their right to claim the priority of said application in all foreign countries in accordance with the International Convention, the same to be

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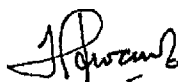
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held and enjoyed by said Assignee, its successors and assigns, as fully and entirely as the same would have been held and enjoyed by Assignors if this assignment and sale had not been made.

Assignors further covenant and agree that, at the time of the execution and delivery of these presents, Assignors possess full title to the invention and application above-mentioned, and that they have the unencumbered right and authority to make this assignment.

Assignors further covenant and agree, and likewise binds their heirs, legal representatives and assigns, to promptly communicate to said Assignee or its representatives any facts known to them relating to said invention, to testify in any interference or legal proceedings involving said invention, to execute any additional papers which may be requested to confirm the right of the Assignee, its representatives, successors and assigns to secure patent or similar protection for the said invention in all countries and to vest in the Assignee complete title to the said invention and Letters Patent, without further compensation, but at the expense of said Assignee, its successors, assigns and other legal representatives.

Executed this 25th day of January 2013.



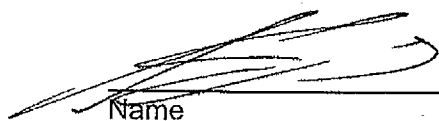
Ichwan Zuardy

Witnessed by:

 (R. Pohlen) 25.01.2013

Name

Date

 25.01.2013

Name

Date

Attorney Docket No. 3019/55 PCT/US

Executed this 27th day of January 2013.



Pierre Zahren

Witnessed by:

W. Baok 31-1-2013
Name Date

H. Linnemann 31-1-2013
Name Date

Executed this _____ day of _____ 2013.

Axel Siegfried Herrmann

Witnessed by:

Name Date

Name Date

Executed this _____ day of _____ 2013.


Pierre Zahren

Witnessed by:

Name Date


Name Date

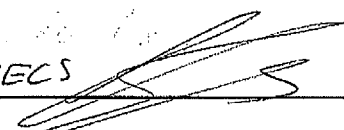
Executed this 25 day of January 2013.

X


Axel Siegfried Herrmann

Witnessed by:

I. ZUARDY  25th January 2013
Name Date

A. ENGELS  28.01.2013
Name Date