502442040 08/01/2013

PATENT ASSIGNMENT

Electronic Version v1.1 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
Gerrit Neumann	05/22/2013
Pierre Zahlen	05/13/2013
Artur Poniatowski	05/31/2013
Benjamin Teich	05/28/2013
Ali Yildiz	05/12/2013

RECEIVING PARTY DATA

Name:	Airbus Operations GmbH	
Street Address:	Kreetslag 10	
City:	Hamburg	
State/Country:	GERMANY	
Postal Code:	D21129	

PROPERTY NUMBERS Total: 1

Property Type	Number	
Application Number:	13888512	

CORRESPONDENCE DATA

Fax Number: 9194190383

Correspondence will be sent via US Mail when the fax attempt is unsuccessful.

Phone: 919-493-8000

Email: gchaney@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:	1406/684 PCT/US
NAME OF SUBMITTER:	Jeffrey L. Wilson
	PATENT

502442040 REEL: 030921 FRAME: 0679

OD \$40.00 43888549

Signature:	/jeffrey I. wilson/		
Date:	08/01/2013		
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COMBINED DECLARATION AND ASSIGNMENT FOR UTILITY OR DESIGN APPLICATION (37 CFR 1.63) USING AN APPLICATION DATA SHEET

Attorney Docket No.	1406/684 PCT/U	S Airbus Reference No.	
Title of the Invention ("Invention")		STRUCTURAL ELEMENT FOR AN AIRCRAFT AND/OR SPACECRAFT AND METHOD FOR PRODUCING SUCH A STRUCTURAL ELEMENT	
Legal Name of Inventor ('Inventor')	Gerrit Neumann		
Assignee ("Assignee")		GmbH, incorporated or otherwise formed in Germany, and having a place of slag 10, D-21129, Hamburg, Germany	
		DECLARATION	
As named inventor, I hereby deci-	are that:		
This declaration is directed to: The affached Application OR X United States Application Number or PCT international Application Number 13/888,512 filed on May 7, 2013			
that the above-identified Applicati			
that I believe I am the original invi	entor or an original jo	int inventor of a claimed invention in the above-identified Application; and	
that 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.			
		ASSIGNMENT	
IN ADDITION TO MAKING THIS DECLARATION, WHEREAS the Assignee is desirous of acquiring, or has acquired and is desirous of memorializing its acquisition further herein, my entire right, title and interest in the above-identified Application.			
NOW, THEREFORE, for good and valuable consideration the receipt of which is hereby acknowledged. I agree to assign, and hereby do assign, to Assignee my entire right, title and interest in and to the Application in the United States of America and all other countries, including any and all inventions, discoveries and other subject matter described therein, any divisional, continuation, continuation-in-part, conversion, non-provisional, substitute, reissue, re-examination certificate following Inter Partes Review, certificate following Post Grant Review, all other applications claiming priority to or benefit of the Application pursuant to any law or treaty, and any patent issuing from any of the foregoing. I agree to assign, and hereby do assign, to Assignee the right to claim such priority or benefit. I have not previously conveyed, nor am I aware of an obligation to convey, my rights in the Application to a third party. I hereby authorize the U.S. Patent and Trademark Office, and any other governmental agency in the world, to issue to Assignee all patents resulting from the Application and to record Assignee's ownership thereof. At Assignee's reasonable request I agree, without further remuneration, to execute and deliver documents prepared at Assignee's expense and to provide other cooperation, such as testimony, as may be reasonably required to evidence or protect Assignee's rights in the Application. Assignee may assign or transfer all or part of its rights set forth herein in its sole discretion. I agree that the Assignee may affix its signature to this document as well as any other indicis of its acceptance of the provisions hereof. If any provision herein is unenforceable, the requirements of the provision shall remain to the full extent permissible by law and the offending portions thereof shall be deemed replaced, to the extent possible, with a provision most closely reflecting the purpose of the			
		(Signature)	
(Date)		(Signature)	
WARNING According to 37 C.F.R. 1.63 (c), "[a] person may not execute an oath or declaration unless the person has reviewed and understands the contents of the application, including claims and is aware of the duty to disclose to the Office all information known to be material to patentability as defined in 1.56."			

An Application Data Sheet (PTO/SB/14 or Equivalent) naming the entire inventiveness entity must accompany this form unless previously submitted.

COMBINED DECLARATION AND ASSIGNMENT FOR UTILITY OR DESIGN APPLICATION (37 CFR 1.63) USING AN APPLICATION DATA SHEET

Attorney Docket No.	1406/684 PCT/U	S Airbus Reference No.	
Title of the Invention ("Invention")		STRUCTURAL ELEMENT FOR AN AIRCRAFT AND/OR SPACECRAFT AND METHOD FOR PRODUCING SUCH A STRUCTURAL ELEMENT	
Legal Name of Inventor ("Inventor")	Pierre Zahlen		
Assignee ("Assignee")		GmbH, incorporated or otherwise formed in Germany, and having a place of siag 10, D-21129, Hamburg, Germany	
		DECLARATION	
As named inventor, I hereby declar	are that:		
This declaration is directed to: The attached Application OR United States Application Number or PCT International Application Number 13/888,512 filed on May 7, 2013			
that the above-identified Application		thorized to be made by me;	
that I believe I am the original inve	entor or an original jo	int inventor of a claimed invention in the above-identified Application; and	
that I hereby acknowledge that an imprisonment of not more than five		ent made in this declaration is punishable under 18 U.S.C. 1001 by fine or	
		<u>ASSIGNMENT</u>	
IN ADDITION TO MAKING THIS DECLARATION, WHEREAS the Assignee is desirous of acquiring, or has acquired and is desirous of memorializing its acquisition further herein, my entire right, title and interest in the above-identified Application.			
NOW, THEREFORE, for good and valuable consideration the receipt of which is hereby acknowledged. I agree to assign, and hereby do assign, to Assignee my entire right, title and interest in and to the Application in the United States of America and all other countries, including any and all inventions, discoveries and other subject matter described therein, any divisional, continuation, continuation-in-part, conversion, non-provisional, substitute, reissue, re-examination certificate following Inter Partes Review, certificate following Post Grant Review, all other applications claiming priority to or benefit of the Application pursuant to any law or treaty, and any patent issuing from any of the foregoing. I agree to assign, and hereby do assign, to Assignee the right to claim such priority or benefit. I have not previously conveyed, nor am I aware of an obligation to convey, my rights in the Application to a third party. I hereby authorize the U.S. Patent and Trademark Office, and any other governmental agency in the world, to issue to Assignee all patents resulting from the Application and to record Assignee's ownership thereof. At Assignee's reasonable request I agree, without further remuneration, to execute and deliver documents prepared at Assignee's expense and to provide other cooperation, such as testimony, as may be reasonably required to evidence or protect Assignee's rights in the Application. Assignee may assign or transfer all or part of its rights set forth herein in its sole discretion. I agree that the Assignee may affix its signature to this document as well as any other indicia of its acceptance of the provisions hereof. If any provision herein is unenforceable, the requirements of the provision shall remain to the full extent permissible by law and the offending portions thereof shall be deemed replaced, to the extent possible, with a provision most closely reflecting the purpose of the offending provision.			
73.05.20	73	(the state of the	
(Date)		(Signature)	
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COMBINED DECLARATION AND ASSIGNMENT FOR UTILITY OR DESIGN APPLICATION (37 CFR 1.63) USING AN APPLICATION DATA SHEET

Attorney Clockel No.	1406/684 PCT/U	Airbus Reference No.	
Title of the Invention ("Invention")		TRUCTURAL ELEMENT FOR AN AIRCRAFT AND/OR SPACECRAFT ND METHOD FOR PRODUCING SUCH A STRUCTURAL ELEMENT	
Legal Name of Inventor ("Inventor")	Artur Poniatowsk		
Assignee ("Assignee")		embH, incorporated or otherwise formed in Germany, and having a place of ag 10, D-21129, Hamburg, Germany	
		DECLARATION	
As named inventor, I hereby declar	are that:		
This declaration is directed to. The attached Appl OR X United States App filed on May 3	ication lication Number or PC 7, 2013	T International Application Number <u>13/888,512</u>	
that the above-identified Applicati			
that I believe I am the original inve	entor or an original joi	d inventor of a claimed invention in the above-identified Application, and	
that I hereby acknowledge that as imprisonment of not more than five	ny willful false stateme re (5) years, or both.	nt made in this declaration is punishable under 18 U.S.C. 1001 by fine or	
		ASSIGNMENT	
IN ADDITION TO MAKING THIS DECLARATION, WHEREAS the Assignee is desirous of acquiring, or has acquired and is desirous of memorializing its acquisition further herein, my entire right, title and interest in the above-identified Application.			
NOW, THEREFORE, for good and valuable consideration the receipt of which is hereby acknowledged. I agree to assign, and hereby do assign, to Assignee my entire right, title and interest in and to the Application in the United States of America and all other countries, including any and all inventions, discoveries and other subject matter described therein, any divisional, continuation, continuation-in-part, conversion, non-provisional, substitute, reissue, re-examination certificate following Inter Partes Review, certificate following Past Grant Review, all other applications claiming priority to or benefit of the Application pursuant to any law or treaty, and any patent issuing from any of the foregoing. I agree to assign, and hereby do assign, to Assignee the right to claim such priority or benefit. I have not previously conveyed, nor am I aware of an obligation to convey, my rights in the Application to a third party. I hereby authorize the U.S. Patent and Trademark Office, and any other governmental agency in the world, to issue to Assignee all patents resulting from the Application and to record Assignee's ownership thereof. At Assignee's reasonable request Lagree, without further remuneration, to execute and deliver documents prepared at Assignee's expense and to provide other cooperation, such as testimony, as may be reasonably required to evidence or protect Assignee's rights in the Application. Assignee may assign or transfer all or part of its rights set forth herein in its sole discretion. I agree that the Assignee may affix its signature to this document as well as any other indicia of its acceptance of the provisions hereof. If any provision herein is unenforceable, the requirements of the provision shall remain to the full extent permissible by law and the offending provision. (Date) (Date)			
WARNING According to 37 C.F.B. 1.63 (c), "(a) person may not execute an nath or declaration unless the person has reviewed and understands the contents of			
the application, including claims and 1.56."	d is aware of the duty to	disclose to the Office all information known to be material to patentsbility as defined in	

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COMBINED DECLARATION AND ASSIGNMENT FOR UTILITY OR DESIGN APPLICATION (37 CFR 1.63) USING AN APPLICATION DATA SHEET

***************************************	***************************************		*************
Attorney Docket No.	1406/684 PCT/US	Airbus Reference No.	************
Title of the Invention ("Invention")	STRUCTL AND MET	JRAL ELEMENT FOR AN AIRCRAFT AND/OR SPACECRA HOD FOR PRODUCING SUCH A STRUCTURAL ELEMEN	XFT AT
Legal Name of Inventor ("Inventor")	Benjamin Teich		
Assignee ("Assignee")	Airbus Operations GmbH, inc business at Kreetslag 10, D-	orporated or otherwise formed in Germany, and having a place of 21129, Hamburg, Germany	
	DEC	LARATION	
As named inventor, I hereby decli	are that:		
This declaration is directed for The attached Appl OR X United States Appl filed on May 7		onal Application Number <u>13/888.512</u>	
that the above-identified Applicati		be made by me;	
that I believe I am the original invi	entor or an original joint inventor	of a claimed invention in the above-identified Application; and	
that I hereby acknowledge that ar imprisonment of not more than fiv	ny wiliful false stalement made in re (5) years, or both.	this declaration is punishable under 18 U.S.C. 1001 by fine or	
	AS	SIGNMENT	
IN ADDITION TO MAKING THIS memorializing its acquisition furth	DECLARATION, WHEREAS the er herein, my entire right, lifte an	Assignee is desirous of acquiring, or has acquired and is desirous of d interest in the above-identified Application.	
assign, to Assignee my entire right including any and all inventions, conversion, non-provisional, subsequences, all other applications dail of the feregoing. I agree to assign conveyed, nor am I aware of an offredemark Office, and any other record Assignee's ownership ther documents prepared at Assignee's righteness of profect Assignee's righteness of profect Assignee's righteness. If agree that the Assign hereof, If any provision herein is to offending portions thereof shall be offending provision.	nt, title and interest in and to the a discoveries and other subject ma wittule, reissue, re-examination or ming priority to or benefit of the a man and hereby do assign, to Assign obligation to convey, my rights in governmental agency in the work act. At Assignee's reasonable in a sexpense and to provide other in this in the Application. Assignee the may affix its signature to this anenforceable, the requirements	eipt of which is hereby acknowledged. I agree to assign, and hereby of Application in the United States of America and all other countries, ther described therein, any divisional, continuation, continuation-in-parentificate following Inter Partes Review, certificate following Post Gran Application pursuant to any law or treaty, and any patent issuing from a gnee the right to claim such priority or benefit. I have not previously the Application to a third party. I hereby authorize the U.S. Patent and to be a possible to a signee all patents resulting from the Application and to squeest I agree, without further remuneration, to execute and deliver cooperation, such as testimony, as may be reasonably required to may assign or transfer all or part of its rights set forth herein in its sole document as well as any other indicia of its acceptance of the provision of the provision shall remain to the full extent permissible by law and to possible, with a provision most closely reflecting the purpose of the	t any d o
(Date)		(Signature)	
		Warning	
According to 37 C.F.R. 1.63 (c), "[a] the application, including claims and 1.55"	person may not execute an oath in a sware of the duty to disclose to	or declaration unless the person has reviewed and understands the conter the Office all information known to be material to patentability as defined	its of in

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Aftorney Docket No.	1406/684 PCT/L	S Airbus Reference No.	
Title of the Invention ("Invention")		STRUCTURAL ELEMENT FOR AN AIRCRAFT AND/OR SPACECRAFT AND METHOD FOR PRODUCING SUCH A STRUCTURAL ELEMENT	
Legal Name of Inventor ("Inventor")	Ali Yildiz		
Assignee ("Assignee")	Airbus Operations business at Kreet	GmbH, incorporated or otherwise formed in Germany, and having a place of dag 10, D-21129, Hamburg, Germany	
		DECLARATION	
As named inventor, I hereby decl	are that:		
This declaration is directed to: The attached Application OR			
filed on <u>May</u>		T International Application Number <u>13/888,512</u>	
that the above-identified Applicati	on is/was made or a	thorized to be made by me;	
that I believe I am the original inv	entor or an original jo	nt inventor of a claimed invention in the above-identified Application; and	
that I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1901 by fine or imprisonment of not more than five (5) years, or both.			
<u>ASSIGNMENT</u>			
IN ADDITION TO MAKING THIS DECLARATION, WHEREAS the Assignee is desirous of acquiring, or has acquired and is desirous of memorializing its acquisition further herein, my entire right, title and interest in the above-identified Application.			
NOW, THEREFORE, for good and valuable consideration the receipt of which is hereby acknowledged. I agree to assign, and hereby do assign, to Assignee my entire right, title and interest in and to the Application in the United States of America and all other countries, including any and all inventions, discoveries and other subject matter described therein, any divisional, continuation, continuation-in-part, conversion, non-provisional, substitute, reissue, re-examination certificate following Inter Partes Review, certificate following Post Grant Review, all other applications claiming priority to or benefit of the Application pursuant to any law or treaty, and any patent issuing from any of the foregoing. I agree to assign, and hereby do assign, to Assignee the right to claim such priority or benefit. I have not previously conveyed, nor am I aware of an obligation to convey, my rights in the Application to a third party. I hereby authorize the U.S. Patent and Trademark Office, and any other governmental agency in the world, to issue to Assignee all patents resulting from the Application and to record Assignee's ownership thereof. At Assignee's reasonable request I agree, without further remuneration, to execute and deliver documents prepared at Assignee's expense and to provide other cooperation, such as testimony, as may be reasonably required to evidence or protect Assignee's rights in the Application. Assignee may assign or transfer all or part of its rights, set, forth herein in its sole discretion. I agree that the Assignee may affix its signature to this document as yiell as any other indicia of its acceptance of the provisions hereof. If any provision herein is unenforceable, the requirements of the provision most closely reflecting the purpose of the offending portions thereof shall be deemed replaced, to the extent possible, with a provision most closely reflecting the purpose of the offending provision.			
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PATENT REEL: 030921 FRAME: 0685

RECORDED: 08/01/2013