

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
Stylesheet Version v1.2

EPAS ID: PAT4215811

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
HUGO HEUSINGER	03/25/2015
WINFRIED LOHMILLER	03/16/2015
REINHARD REISCHL	01/19/2016
GREGOR JARASCH	03/16/2015
ROSA MARIA DELGADO ROMERO	01/14/2016
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	AIRBUS DEFENCE AND SPACE GMBH
<b>Street Address:</b>	WILLY-MESSERSCHMITT-STRASSE 1
<b>City:</b>	OTTOBRUNN
<b>State/Country:</b>	GERMANY
<b>Postal Code:</b>	85521
<b>Name:</b>	EADS CONSTRUCCIONES AERONAUTICAS, SA
<b>Street Address:</b>	AVDA. DE ARAGON 404
<b>City:</b>	MADRID
<b>State/Country:</b>	SPAIN
<b>Postal Code:</b>	28022
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	14668408
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(202)628-8844
<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.</i>	
<b>Phone:</b>	202-624-2500
<b>Email:</b>	edocket@crowell.com, jharris@crowell.com
<b>Correspondent Name:</b>	CROWELL & MORING LLP INTELLECTUAL PROPERTY
<b>Address Line 1:</b>	P.O. BOX 14300
<b>Address Line 4:</b>	WASHINGTON, D.C. 20044-4300
<b>ATTORNEY DOCKET NUMBER:</b>	113696.67610US

<b>NAME OF SUBMITTER:</b>	JONATHAN M. LINDSAY
<b>SIGNATURE:</b>	/Jonathan Lindsay/
<b>DATE SIGNED:</b>	01/09/2017
	This document serves as an Oath/Declaration (37 CFR 1.63).
<b>Total Attachments: 6</b> source=67610US Combined Assignment and Declaration#page1.tif source=67610US Combined Assignment and Declaration#page2.tif source=67610US Combined Assignment and Declaration#page3.tif source=67610US Combined Assignment and Declaration#page4.tif source=67610US Combined Assignment and Declaration#page5.tif source=67610US Combined Assignment and Declaration#page6.tif	

**ASSIGNMENT AND DECLARATION UNDER 37 C.F.R. § 1.63**  
(For Use with Signed Application Data Sheet)

**Title of Invention:** System for a Vehicle with Redundant Computers

This assignment and declaration are directed to (check one):

- the application identified above by the attorney docket no. and title of invention  
 PCT International Application Number \_\_\_\_\_, filed \_\_\_\_\_  
 United States Application No. \_\_\_\_\_, filed \_\_\_\_\_

**ASSIGNMENT**

For good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, as a below-named inventor I have sold and assigned, and by these presents hereby sell and assign, unto:

**Name of Assignee:** Airbus Defence and Space GmbH

**Address of Assignee:** Willy-Messerschmitt-Strasse 1, 85521 Ottobrunn, GERMANY

(hereinafter ASSIGNEE) all my right, title, and interest for the United States, its territories, and possessions in and to the above-identified invention and United States patent application, including any and all divisions or continuations thereof, and in and to any and all Letters Patent of the United States that may issue on any such application or for said invention, including any and all reissues or extensions thereof, to be held and enjoyed by said ASSIGNEE, its successors, or assigns to the full end of the term or terms for which any and all such Letters Patent may be granted as fully and entirely as would have been held and enjoyed by me had this Assignment not been made.

I hereby authorize and request the Director of the U.S. Patent and Trademark Office to issue any and all such Letters Patent to said ASSIGNEE, its successors, or assigns in accordance herewith.

I warrant and covenant that I have the full and unencumbered right to sell and assign the interests herein sold and assigned and that I have not executed and will not execute any document or instrument in conflict herewith.

I further covenant and agree that I will communicate to said ASSIGNEE, its successors, legal representatives, or assigns all information known to me relating to said invention or patent application and that I will execute and deliver any papers, make all rightful oaths, testify in any legal proceedings, and perform all other lawful acts deemed necessary or desirable by said ASSIGNEE, its successors, legal representatives, or assigns to perfect title to said invention, to said application including divisions and continuations thereof and to any and all Letters Patent that may be granted therefor or thereon, including reissues or extensions, in said ASSIGNEE, its successors, or assigns, or to assist said ASSIGNEE, its successors, legal representatives, or assigns in obtaining, reissuing, or enforcing Letters Patent of the United States for said invention.

**DECLARATION**

As a below named inventor, I hereby declare that:

The above-identified application was made or authorized to be made by me.

I believe that I am the original inventor or an original joint inventor of a claimed invention in the application.

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.

Signature:

Inventor:

Hugo Heusinger  
Hugo HEUSINGER

25.3.2015  
DATE

**ASSIGNMENT AND DECLARATION UNDER 37 C.F.R. § 1.63**  
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Title of Invention: System for a Vehicle with Redundant Computers

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- United States Application No. \_\_\_\_\_, filed \_\_\_\_\_

**ASSIGNMENT**

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Name of Assignee: Airbus Defence and Space GmbH

Address of Assignee: Willy-Messerschmitt-Strasse 1, 85521 Ottobrunn, GERMANY

(hereinafter ASSIGNEE) all my right, title and interest for the United States, its territories and possessions in and to the above-identified invention and United States patent application, including any and all divisions or continuations thereof, and in and to any and all Letters Patent of the United States which may issue on any such application or for said invention, including any and all reissues or extensions thereof, to be held and enjoyed by said ASSIGNEE, its successors or assigns to the full end of the term or terms for which any and all such Letters Patent may be granted as fully and entirely as would have been held and enjoyed by me had this Assignment not been made.

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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.

Signature: W. Lohmiller  
Inventor: **Winfried LOHMILLER**

16.3.15  
DATE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

**SUBSTITUTE STATEMENT IN LIEU OF AN OATH OR DECLARATION FOR UTILITY  
OR DESIGN PATENT APPLICATION (35 U.S.C. 115(d) AND 37 CFR 1.64)**

<b>Title of Invention</b>	System for a Vehicle with Redundant Computers		
This statement is directed to:			
<input checked="" type="checkbox"/> The attached application,			
OR			
<input type="checkbox"/> United States application or PCT international application number _____ filed on _____			
<b>LEGAL NAME of inventor to whom this substitute statement applies:</b>			
(E.g., Given Name (first and middle (if any)) and Family Name or Surname)			
Reinhard REISCHL			
Residence (except for a deceased or legally incapacitated inventor):			
City	State	Country	
Mailing Address (except for a deceased or legally incapacitated inventor):			
City	State	Zip	Country
I believe the above-named inventor or joint inventor to be the original inventor or an original joint inventor of a claimed invention in the application.			
The above-identified application was made or authorized to be made by me.			
I hereby acknowledge that any willful false statement made in this statement is punishable under 18 U.S.C. 1001 by fine or imprisonment of not more than five (5) years, or both.			
Relationship to the inventor to whom this substitute statement applies:			
<input type="checkbox"/> Legal Representative (for deceased or legally incapacitated inventor only),			
<input checked="" type="checkbox"/> Assignee,			
<input type="checkbox"/> Person to whom the inventor is under an obligation to assign,			
<input type="checkbox"/> Person who otherwise shows a sufficient proprietary interest in the matter (petition under 37 CFR 1.46 is required), or			
<input type="checkbox"/> Joint Inventor.			

[Page 1 of 2]

This collection of information is required by 35 U.S.C. 115 and 37 CFR 1.63. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 1 minute to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9198 and select option 2.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

**SUBSTITUTE STATEMENT**

Circumstances permitting execution of this substitute statement:

- Inventor is deceased,  
 Inventor is under legal incapacity,  
 Inventor cannot be found or reached after diligent effort, or  
 Inventor has refused to execute the oath or declaration under 37 CFR 1.63.

If there are joint inventors, please check the appropriate box below:

- An application data sheet under 37 CFR 1.76 (PTO/AIA/14 or equivalent) naming the entire inventive entity has been or is currently submitted.  
OR  
 An application data sheet under 37 CFR 1.76 (PTO/AIA/14 or equivalent) has not been submitted. Thus, a Substitute Statement Supplemental Sheet (PTO/AIA/11 or equivalent) naming the entire inventive entity and providing inventor information is attached. See 37 CFR 1.64(b).

**WARNING:**

Petitioner/applicant is cautioned to avoid submitting personal information in documents filed in a patent application that may contribute to identity theft. Personal information such as social security numbers, bank account numbers, or credit card numbers (other than a check or credit card authorization form PTO-2038 submitted for payment purposes) is never required by the USPTO to support a petition or an application. If this type of personal information is included in documents submitted to the USPTO, petitioners/applicants should consider redacting such personal information from the documents before submitting them to the USPTO. Petitioner/applicant is advised that the record of a patent application is available to the public after publication of the application (unless a non-publication request in compliance with 37 CFR 1.213(a) is made in the application) or issuance of a patent. Furthermore, the record from an abandoned application may also be available to the public if the application is referenced in a published application or an issued patent (see 37 CFR 1.14). Checks and credit card authorization forms PTO-2038 submitted for payment purposes are not retained in the application file and therefore are not publicly available.

**PERSON EXECUTING THIS SUBSTITUTE STATEMENT:**

Name: <i>J. J. Koch</i>	<i>U. Stefanie Godesmann</i>	Date (Optional):
Signature: <i>J. J. Koch</i>	<i>U. Stefanie Godesmann</i>	

**APPLICANT NAME AND TITLE OF PERSON EXECUTING THIS SUBSTITUTE STATEMENT:**

If the applicant is a juristic entity, list the applicant name and the title of the signer.

Applicant Name: <b>Airbus Defence and Space GmbH</b>			
Title of Person Executing This Substitute Statement: <i>Patent Attorney</i> <i>Patent Professional</i>			
The signer, whose title is supplied above, is authorized to act on behalf of the applicant.			
Residence of the signer (unless provided in an application data sheet, PTO/AIA/14 or equivalent):			
City	State	Country	
Mailing Address of the signer (unless provided in an application data sheet, PTO/AIA/14 or equivalent)			
City	State	Zip	Country

Note: Use an additional PTO/AIA/02 form for each inventor who is deceased, legally incapacitated, cannot be found or reached after diligent effort, or has refused to execute the oath or declaration under 37 CFR 1.63.

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- United States Application No. \_\_\_\_\_, filed \_\_\_\_\_

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**Name of Assignee:** Airbus Defence and Space GmbH

**Address of Assignee:** Willy-Messerschmitt-Strasse 1, 85521 Ottobrunn, GERMANY

(hereinafter ASSIGNEE) all my right, title and interest for the United States, its territories and possessions in and to the above-identified invention and United States patent application, including any and all divisions or continuations thereof, and in and to any and all Letters Patent of the United States which may issue on any such application or for said invention, including any and all reissues or extensions thereof, to be held and enjoyed by said ASSIGNEE, its successors or assigns to the full end of the term or terms for which any and all such Letters Patent may be granted as fully and entirely as would have been held and enjoyed by me had this Assignment not been made.

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I warrant and covenant that I have the full and unencumbered right to sell and assign the interests herein sold and assigned and that I have not executed and will not execute any document or instrument in conflict herewith.

I further covenant and agree that I will communicate to said ASSIGNEE, its successors, legal representatives or assigns all information known to me relating to said invention or patent application and that I will execute and deliver any papers, make all rightful oaths, testify in any legal proceedings and perform all other lawful acts deemed necessary or desirable by said ASSIGNEE, its successors, legal representatives or assigns to perfect title to said invention, to said application including divisions and continuations thereof and to any and all Letters Patent which may be granted therefor or thereon, including reissues or extensions, in said ASSIGNEE, its successors or assigns, or to assist said ASSIGNEE, its successors, legal representatives or assigns in obtaining, reissuing or enforcing Letters Patent of the United States for said invention.

**DECLARATION**

As a below named inventor, I hereby declare that:

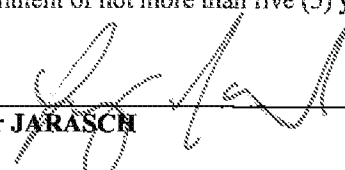
The above-identified application was made or authorized to be made by me.

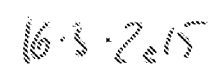
I believe that I am the original inventor or an original joint inventor of a claimed invention in the application.

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.

Signature:

Inventor:

  
\_\_\_\_\_  
**Gregor JARASCH**

  
\_\_\_\_\_  
DATE

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**Name of Assignee:** EADS Construcciones Aeronauticas, SA

**Address of Assignee:** Avda. De Aragón 404, 28022 Madrid Spain

(hereinafter ASSIGNEE) all my right, title, and interest for the United States, its territories, and possessions in and to the above-identified invention and United States patent application, including any and all divisions or continuations thereof, and in and to any and all Letters Patent of the United States that may issue on any such application or for said invention, including any and all reissues or extensions thereof, to be held and enjoyed by said ASSIGNEE, its successors, or assigns to the full end of the term or terms for which any and all such Letters Patent may be granted as fully and entirely as would have been held and enjoyed by me had this Assignment not been made.

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Signature:

Inventor: Rosa María Delgado Romero

14/01/2016

DATE