#### 504169133 01/09/2017

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT4215811

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

### **CONVEYING PARTY DATA**

Name	Execution Date
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

### RECEIVING PARTY DATA

Name:	AIRBUS DEFENCE AND SPACE GMBH
Street Address:	WILLY-MESSERSCHMITT-STRASSE 1
City:	OTTOBRUNN
State/Country:	GERMANY
Postal Code:	85521
Name:	EADS CONSTRUCCIONES AERONAUTICAS, SA
Name: Street Address:	EADS CONSTRUCCIONES AERONAUTICAS, SA AVDA. DE ARAGON 404
Street Address:	AVDA. DE ARAGON 404

### **PROPERTY NUMBERS Total: 1**

Property Type	Number
Application Number:	14668408

### **CORRESPONDENCE DATA**

Fax Number: (202)628-8844

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.

Phone: 202-624-2500

edocket@crowell.com, jharris@crowell.com Email:

CROWELL & MORING LLP INTELLECTUAL PROPERTY **Correspondent Name:** 

P.O. BOX 14300 Address Line 1:

Address Line 4: WASHINGTON, D.C. 20044-4300

ATTORNEY DOCKET NUMBER: 113696.67610US

> **PATENT** REEL: 040901 FRAME: 0128

504169133

NAME OF SUBMITTER:	JONATHAN M. LINDSAY	
SIGNATURE:	/Jonathan Lindsay/	
DATE SIGNED:	01/09/2017	
	This document serves as an Oath/Declaration (37 CFR 1.63).	

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

(For Use with Signed Application Data Sheet)

Title of Invention:	System for a Vehicle with	Redundant Computers	
the application is	claration are directed to (cl dentified above by the attor al Application Number pplication No	rney docket no. and title	of invention
	ASS	IGNMENT	
For good and valuable of below-named inventor l	consideration, the receipt as I have sold and assigned, as	nd sufficiency of which and by these presents here	are hereby acknowledged, as a by sell and assign, unto:
Name of Assignee:	Airbus Defence and Spa	ce GmbH	
Address of Assignee:	Willy-Messerschmitt-Str	asse 1, 85521 Ottobrur	in, GERMANY
and to the above-identif continuations thereof, a application or for said it by said ASSIGNEE, its	fied invention and United S nd in and to any and all Le nvention, including any and successors, or assigns to the ranted as fully and entirely	tates patent application, iters Patent of the United I all reissues or extension to full end of the term or	es, its territories, and possessions including any and all divisions or all States that may issue on any such as thereof, to be held and enjoyed terms for which any and all such and enjoyed by me had this
I hereby authorize and r Letters Patent to said A	request the Director of the I SSIGNEE, its successors, o	J.S. Patent and Tradema or assigns in accordance	ork Office to issue any and all such herewith.
I warrant and covenant and assigned and that I herewith.	that I have the full and une have not executed and will	ncumbered right to sell a not execute any docume	and assign the interests herein sold ant or instrument in conflict
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.			
	DEC	<u>LARATION</u>	
As a below named inver	ntor, I hereby declare that:		
The above-identified ap	plication was made or auth	orized to be made by me	x
I believe that I am the or	riginal inventor or an origi	nal joint inventor of a cla	aimed invention in the application.
I hereby acknowledge the 1001 by fine or imprison	hat any willful false statement nment of not more than five	ent made in this declarat e (5) years, or both.	ion is punishable under 18 U.S.C.
Signature:	CCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCC		25,2,2015 DATE

(For Use with Signed Application Data Sheet)

Title of Invention:	System for a Vehicle with Redundant Co	omputers		
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	<b>,</b>		
For good and valuable below named inventor	consideration, the receipt and sufficiency of I have sold and assigned, and by these pres	of which are hereby acknowledged, as a		
Name of Assignee:	Airbus Defence and Space GmbH			
Address of Assignee:	Willy-Messerschmitt-Strasse 1, 85521	Ottobraan, GERMANY		
and to the above-identi continuations thereof, a such application or for enjoyed by said ASSIG such Letters Patent may Assignment not been m	fied invention and United States patent appared in and to any and all Letters Patent of the said invention, including any and all reissus SNEE, its successors or assigns to the full of the granted as fully and entirely as would nade.	nes or extensions thereof, to be held and end of the term or terms for which any and all have been held and enjoyed by me had this		
I hereby authorize and a Letters Patent to said A	request the Director of the U.S. Patent and SSIGNEE, its successors or assigns in acc	Trademark Office to issue any and all such ordance 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 which may be granted therefor or thereon, including reissues or extensions, in said ASSIGNEE, its successors, legal representatives or assigns in obtaining, reissuing or enforcing Letters Patent of the United States for said invention.				
	<b>DECLARATIO</b>	<u>V</u>		
As a below named inve	ntor, I hereby declare that:			
The above-identified application was made or authorized to be made by me.				
		or of a claimed invention in the application.		
I hereby acknowledge to 1001 by fine or impriso	hat any willful false statement made in this nament of not more than five (5) years, or b	s declaration is punishable under 18 U.S.C. ooth.		
Digitation .	V LILL Ted LOHMILLER	DATE		

Doc code: Oath

Document Description: Oath or declaration filed

PTO/AIA/02 (07-13)
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### 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)

***************************************				000	
Title of Invention	System for a Vehicle with F	Redundant Computer	\$		
This stateme	This statement is directed to:				
The att	sched application,				
OR					
United :	United States application or PCT international application numberfiled on				
LEGAL NA	ME of inventor to whom this su	bstitute statement appl	ìes:	***************************************	
ð:	Name (first and middle (if any)) and I	Family Name or Surname)	000000000000000000000000000000000000000		
Reinha	d REISCHL				
Residence (	except for a deceased or legally incap	acitated inventor):		000000000000000000000000000000000000000	
City		State	Country	**************************************	
	Mailing Address (except for a deceased or legally Incapacitated Inventor):				
City	33.000.000.000.000.000.000.000.000.000.	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-i	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.					
Relationshi	o to the inventor to whom this substitu	ite statement applies:			
Legal Representative (for deceased or legally incapacitated inventor only),					
Assignee,					
Pe	Person to whom the inventor is under an obligation to assign,				
	rson who otherwise shows a sufficier	· · · · · · · · · · · · · · · · · · ·	natter (petition un	der 37 CFR 1.46 is required\or	
,	nt Inventor.	. , , , , , , , , , , , , , , , , , , ,	ವಾರ್ಯ <b>ಬ್ರಾಪ್ ಕರ್ನಡೆ ನಡೆಯ</b> ನಡೆಯಿತು.	and the second s	
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[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 This collection of information is required by 35 U.S.C. The and 37 CPR 1.63. The information is required to postan or retain a center, by the gubbs which is to like tent by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CPR 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 Tradamerk Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450, DO NOT SEND FIELS OR COMPLETED FORMS TO THIS ADDRESS, SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22213-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

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## SUBSTITUTE STATEMENT

***************************************				10000000000000000000000000000000000000	
Circumstances permitting execution of this su	ıbstitute stater	nent:	- Control of the Cont	***************************************	
Inventor is deceased.					
Inventor is under legal incapacity,	Inventor is under legal incapacity,				
Inventor cannot be found or reached	l after diligent	effort, or			
Inventor has refused to execute the	oath or declar	ation under 37 CF	₹R 1.63.		
If there are joint inventors, please check the					
An application data sheet under 37 or is currently submitted.	CFR 1.76 (PT	D/AIA/14 or equive	alent) naming the entir	re inventive entity has been	
Statement Supplemental Sheet (PT	•				
0000aaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaa	WAR	RNING:	^000000		
retitioner/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 of support a petition or an application. If this type of personal information is included in documents submitted to the USPTO, etitioners/applicants should consider redacting such personal information from the documents before submitting them to the ISPTO. Petitioner/applicant is advised that the record of a patent application is available to the public after publication of the personal information (unless a non-publication request in compliance with 37 CFR 1.213(a) is made in the application) or issuance of a atent. Furthermore, the record from an abandoned application may also be available to the public if the application is eferenced in a published application or an issued patent (see 37 CFR 1.14). Checks and credit card authorization forms TO-2038 submitted for payment purposes are not retained in the application file and therefore are not publicly available.					
ERSON EXECUTING THIS SUBSTITUTE ST	ATEMENT:	000000000000000000000000000000000000000	000000000000000000000000000000000000000	000000000000000000000000000000000000000	
isme: I.V. Jay Webs IV Stefanic Godesmann Date (Optional):					
Signature: // ////					
APPLICANT NAME AND TITLE OF PERSON	EXECUTING '	THIS SUBSTITUT	E STATEMENT:	20000000000000000000000000000000000000	
f the applicant is a juristic entity, list the applica			er:		
Airbus Defence and S Applicant Name:	pace Gillo	M			
Title of Person Executing POICNE C	Marai	Palen		KX (	
The signer, whose title is supplied above, is au Residence of the signer (unless provided in	thorized to act	on behalf of the a	oplicant.	00000000000000000000000000000000000000	
PARAGONA PARA RESIDENT CONTRACTOR PROPERTY PROPE	4011 223129.85.00000000000000000000000000000000000	18 1982 555 39 5967 62 52	Personage Same 251 Park 2582 in extra	**************************************	
Dity	State	ļ	Country		
Mailing Address of the signer (unless provided in an application data sheet, PTO/AIA/14 or equivalent)					
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Lity			4		
	State		Zip	Country	
Note: Use an additional PTO/AIA/02 form for ea offer diligent effort, or has refused to execute th	ich inventor w	no is deceased, le	gally incapacitated, ca	annot be found or reached	
mor emport offer, of his felused to execute bi	e dam of deci	aiation under 3/ (	Jrn 1.03.		

[Page 2 of 2]

(For Use with Signed Application Data Sheet)

Title of Invention:	System for a Vehicle with Redu	ndant Computers	
the application	eclaration are directed to (check or identified above by the attorney deal Application Number	locket no. and title of invention	
	ASSIGN	MENT	
		iciency of which are hereby acknowledged, as a hese presents hereby sell and assign, unto:	
Name of Assignee:	Airbus Defence and Space Gm	<b>b</b> }{	
Address of Assignce:	Willy-Messerschmitt-Strasse 1	, 85521 Ottobrunn, GERMANY	
and to the above-identil continuations thereof, a such application or for enjoyed by said ASSIG	fied invention and United States p and in and to any and all Letters Pa said invention, including any and NEE, its successors or assigns to be granted as fully and entirely a	or the United States, its territories and possessions atent application, including any and all divisions of atent of the United States which may issue on any all reissues or extensions thereof, to be held and the full end of the term or terms for which any and is would have been held and enjoyed by me had the	or d all
	request the Director of the U.S. Pa SSIGNEE, its successors or assign	itent and Trademark Office to issue any and all suns in accordance herewith.	ich
		ered right to sell and assign the interests herein so ecute any document or instrument in conflict	old
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.			
	DECLAR	<u>ATION</u>	
As a below named inve	ntor, I hereby declare that:		
The above-identified ap	plication was made or authorized	to be made by me.	
I believe that I am the o	riginal inventor or an original joir	nt inventor of a claimed invention in the application	on.
	hat any willful false statement ma nment of not more than five (5) y	de in this declaration is punishable under 18 U.S.Cears, or both.	c.
Signature: Inventor: Gregor	r JARASCH	DATE	

(For Use with Signed Application Data Sheet)

Title of Invention:	System for a Vehicle with Redundani	Computers
the application PCT Internation	lectaration are directed to (check one): identified above by the attorney docket mad Application Number Application No.	, filed
	ASSIGNMEN	A.T.
	consideration, the receipt and sufficiency. I have sold and assigned, and by these p	y of which are hereby acknowledged, as a resents hereby sell and assign, unto:
Name of Assignee:	EADS Construcciones Aeronauticas,	, SA
Address of Assignee:	Avda. De Aragón 404, 28022 Madrid	i Spain
and to the above-ident continuations thereof, application or for said by said ASSIGNEE, it	iffed invention and United States patent a and in and to any and all Letters Patent o invention, including any and all reissues a successors, or assigns to the full end of granted as fully and entirely as would have	United States, its territories, and possessions inpplication, including any and all divisions or of the United States that may issue on any such or extensions thereof, to be held and enjoyed the term or terms for which any and all such we been held and enjoyed by me had this
	request the Director of the U.S. Patent at ASSERNEE, its successors, or assigns in a	nd Trademark Office to issue any and all such accordance herewith.
	t that I have the full and unencombered ri I have not executed and will not execute a	ight to sell and assign the interests herein sold any document or instrument in conflict
or assigns all information deliver any papers acts deemed necessary perfect title to said invall Letters Patent that a ASSIGNEE, its success	ion known to me relating to said invention, make all rightful oaths, testify in any leger or desirable by said ASSIGNEE, its succention, to said application including divisions be granted therefor or thereon, including	NEE, its successors, legal representatives, or
	DECLARATIO	<u>on</u>
As a below named inv	entor, I hereby declare that:	
The above-identified a	application was made or authorized to be	made by me.
believe that I am the	original inventor or an original joint inve	entor of a claimed invention in the application.
	that any willful false statement made in to omment of not more than five (5) years, o	this declaration is punishable under 18 U.S.C. or both.
Signature: Inventor: Rosa	Maria Delgado Romero	14101/2016 DATE
32.583.58 × 23.003.54 × 23.003.54 × 23.003.54	IVESE RE LECTERARY AND INC.	<b>スクアスス 3.</b> 2

PATENT REEL: 040901 FRAME: 0135

RECORDED: 01/09/2017