PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2

EPAS ID: PAT7161515

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
KEVIN SHORTT	01/14/2022
SERGIO FEO-ARENIS	12/13/2021
PHILIPP HELLE	12/13/2021
CARSTEN STROBEL	12/10/2021

RECEIVING PARTY DATA

Name:	AIRBUS DEFENCE AND SPACE GMBH	
Street Address:	WILLY-MESSERSCHMITT-STRASSE 1	
City:	TAUFKIRCHEN	
State/Country:	GERMANY	
Postal Code:	82024	

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	17536050

CORRESPONDENCE DATA

Fax Number: (919)419-0383

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.

919-493-8000 Phone: Email: gchaney@jwth.com JEFFREY L. WILSON **Correspondent Name:**

3015 CARRINGTON MILL BLVD. Address Line 1:

Address Line 2: SUITE 550

Address Line 4: MORRISVILLE, NORTH CAROLINA 27560

ATTORNEY DOCKET NUMBER:	1406/800/169	
NAME OF SUBMITTER:	GAYLE W. CHANEY	
SIGNATURE:	/gayle w. chaney/	
DATE SIGNED:	02/07/2022	

Total Attachments: 4

source=ASSIGNMENT 1406-800-169#page1.tif source=ASSIGNMENT_1406-800-169#page2.tif

source=ASSIGNMENT_1406-800-169#page3.tif source=ASSIGNMENT_1406-800-169#page4.tif

Attorney Docket No. 1406/800/169 Airbus Reference No. 16575 Title of the Invention ("Invention") METHOD FOR ESTABLISHING A FREE-SPACE DATA TRANSMISSION CHANNEL Legal Name of Inventor Kevin Shortt ("Inventor") Airbus Defence and Space GmbH, incorporated or otherwise formed in Germany, and having a Assignee ("Assignee") place of business at Willy-Messerschmitt-Str. 1, 82024, Taufkirchen, Germany **DECLARATION** As named inventor, I hereby declare that: This declaration is directed to: United States Application identified with the above Title and attorney docket number: 1406/800/169 that the above-identified Application is/was made or authorized to be made by me; that I believe I am the original inventor or an original joint 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 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. 14.01.2022 (Date) Kevin Shortt **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."

Attorney Docket No. 1406/800/169 Airbus Reference No. 16575

Title of the Invention ("Invention") METHOD FOR ESTABLISHING A FREE-SPACE DATA TRANSMISSION CHANNEL

Legal Name of Inventor Sergio Feo-Arenis

("Inventor")

Assignee ("Assignee") Airbus Defence and Space GmbH, incorporated or otherwise formed in Germany, and having

a place of business at Willy-Messerschmitt-Str. 1, 82024, Taufkirchen, Germany

DECLARATION

As named inventor, I hereby declare that:

This declaration is directed to:

United States Application identified with the above Title and attorney docket number: 1406/800/169

that the above-identified Application is/was made or authorized to be made by me;

that I believe I am the original inventor or an original joint 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 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.

Dec. 13th. 2021

(Date)

Sergio Feo-Arenis

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."

Attorney Docket No.

1406/800/169

Airbus Reference No.

16575

Title of the Invention ("invention").

METHOD FOR ESTABLISHING A FREE-SPACE DATA TRANSMISSION CHANNEL

Legal Name of Inventor ("Inventor")

Philipp Helle

Assignee ("Assignee")

Airbus Defence and Space GmbH, incorporated or otherwise formed in Germany, and having

a place of business at Willy-Messerschmitt-Str. 1, 82024, Taufkirchen, Germany

DECLARATION

As named inventor, I hereby declare that:

This declaration is directed to:

United States Application identified with the above Title and attorney docket number: 1406/800/169

that the above-identified Application is/was made or authorized to be made by me;

that I believe I am the original inventor or an original joint 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 destrous of acquiring, or has acquired and is destrous 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. Lagree 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 lesuing 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 Apolication and to record Assignee's ownership thereof. At Assignee's reasonable request I agree, without further remuneration, to execute and deliver documents prepared at Assigner's expense and to provide other cooperation, such as testimony, as may be reasonably required to avidence 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.

WARNING

According to 37 C.F.R. 1.63 (c), [13] person may not execute an path 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

Attorney Docket No.

1406/800/169

Airbus Beference No. 16575

Title of the Invention ("Invention") METHOD FOR ESTABLISHING A FREE-SPACE DATA TRANSMISSION CHANNEL

Legal Name of Inventor

("Inventor")

Carsten Strobel

Assignee ("Assignee")

Airbus Defence and Space GmbH, incorporated or otherwise formed in Germany, and having

a place of business at Willy-Messerschmitt-Str. 1, 82024, Taufkirchen, Germany

DECLARATION

As named inventor, I hereby declare that:

This declaration is directed to:



United States Application identified with the above Title and attorney docket number: 1406/800/169

that the above-identified Application is/was made or authorized to be made by me;

that I believe I am the original inventor or an original joint 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 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.

10,12,21 (Date

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

PATENT **REEL: 058904 FRAME: 0119**

RECORDED: 02/07/2022