505648725 08/30/2019

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT5695531

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
DANIEL SPENGLER	08/29/2019
BERNHARD HOLTRUP	08/13/2019

RECEIVING PARTY DATA

Name:	AIRBUS OPERATIONS GMBH
Street Address:	KREETSLAG 10
City:	HAMBURG
State/Country:	GERMANY
Postal Code:	21129

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	16556496

CORRESPONDENCE DATA

Fax Number: (312)360-9315

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using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.

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ATTORNEY DOCKET NUMBER:	5438.138263
NAME OF SUBMITTER:	KEVIN W. GUYNN
SIGNATURE:	/Kevin W. Guynn/
DATE SIGNED:	08/30/2019

Total Attachments: 2 source=14W7709#page1.tif

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PATENT REEL: 050220 FRAME: 0587 505648725

COMBINED DECLARATION AND ASSIGNMENT FOR UTILITY OR DESIGN APPLICATION (37 CFR 1.53) USING AN APPLICATION DATA SHEET

Altomey, Docket No.

5438,138263

Airbus Reference No.

14232-US-NP

Legal Name of Inventor

("lissentor")

Daniel SPENGLER

Assignée ("Assignee")

Airbus Operations Cimbit, incorporated or otherwise formed in Germany, having a place of business at

Kreetslag 10, 21129 Hamburg, Germany

DECLARATION

As named inventor, I hereby declare that:

This declaration is directed to:

X Drifted States Application identified with the above Title and attorney dockst number: 3438,138263

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

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 adknowledge that any willful haise statement made in this declaration is punishable under 16 U.S.C. 1001 by this or imprisonment of ani 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 to decircus of memorializing its acquisition further herein, my unite right, title and interest in the above klernified Application.

NOW, THEREFORE, for good and valuable consideration the receipt of which is hereby acknowledged. Lagran to seeign, and hereby do assign, to Assignee my entire right, this and interest in and to the Application in the United States of America and all other countries. isoluding any and all inventions, decoveries and other subject matter described therein, any divisional, continuation, continuation in part. conversion, non-provisional, substitute, reliciue, releximination certificate following Inter Partes Review, certificate following Post Grant Raview, 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 proviously conveyed, not um I aware of an obligation to convey, my rights in the Application in a third party. I hereby authorize the U.S. Patern and Trademark Office, and any other governmental agency in the world, to issue to Assignee of patents requiring from the Application and to record Assignme's ownership thereof. At Assignme's reasonable request Lagrac, without further remuneration, to execute and deliver documents prepared at Assignment appears and to provide other cooperation, such as testimony, as may be recoverably required to evidence of project Assignee's rights in the Application. Assignee may assign or transfer all or part of its rights sectors herein in its solo discretion. Lagrae that the Assignes may affix its signature to this document as well as any other indicts of so acceptance of the provisions hereof. If any provision herein is unenforceable, the requirements of the possision shall remain to the full extent permissible by law and the offending portions thereof shall be deemed replaced, to the extent possible, with a papvision must closely percently the purpose of the offending provision.

WARNING

According to 37 C.F.R. 1.63 (c), "[a] person may not execuse an earn or declaration unless the person has reviewed and quidenstants the coments of the application, including claims and is aware of the duty to disclose to the Office all information import to be material to parameterly as defined in 1.58

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

> **PATENT REEL: 050220 FRAME: 0588**

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

Attorney, Docket No. 5438.138263 Airbus Reference No. 14232-US-NP

Legal Name of Inventor

("Inventor")

Assignee ("Assignee") Airbus Operations GmbH, incorporated or otherwise formed in Germany, having a place of business at

Kreetslag 10, 21129 Hamburg, Germany

Bernhard HOLTRUP

DECLARATION

As named inventor, I hereby declare that:

This declaration is directed to:

X United States Application identified with the above Title and attorney docket number: 5438.138263

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.

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

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

PATENT REEL: 050220 FRAME: 0589

RECORDED: 08/30/2019