504736517 01/19/2018

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT4783243

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
FERNANDA LOTH PUGLIESI	10/04/2017
BRUNO KIMURA CASTANHA	10/04/2017
JAY BEEVER	10/05/2017
JOSHUA REA	10/05/2017
RAINER BERND ZIERER	10/04/2017

RECEIVING PARTY DATA

Name:	EMBRAER S.A.
Street Address: AV. BRIGADEIRO FARIA LIMA, 2.170	
City: SÃO JOSÉ DOS CAMPOS - SP	
State/Country:	BRAZIL
Postal Code:	12227-901

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	29619503

CORRESPONDENCE DATA

Fax Number: (703)816-4100

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: 703-816-4000

Email: PTOMAIL@nixonvan.com

Correspondent Name: BRYAN H. DAVIDSON/NIXON & VANDERHYE, PC

Address Line 1: 901 NORTH GLEBE ROAD, 11TH FLOOR

Address Line 4: ARLINGTON, VIRGINIA 22203

ATTORNEY DOCKET NUMBER:	BHD-4439-270
NAME OF SUBMITTER:	BRYAN H. DAVIDSON
SIGNATURE:	/Bryan H. Davidson/
DATE SIGNED:	01/19/2018
	This document serves as an Oath/Declaration (37 CFR 1.63).

Total Attachments: 5

PATENT REEL: 044661 FRAME: 0945

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source=4439-270_Combined_Declaration_and_Assignment#page1.tif source=4439-270_Combined_Declaration_and_Assignment#page2.tif source=4439-270_Combined_Declaration_and_Assignment#page3.tif source=4439-270_Combined_Declaration_and_Assignment#page4.tif source=4439-270_Combined_Declaration_and_Assignment#page5.tif

> PATENT REEL: 044661 FRAME: 0946

Doc code: Oath Document Description: Oath or declaration filed				
MODERATOR MODERN PROPERTY AND STREET	Attorney Docket Number	BHD-4439-270		
v	First Named Inventor	PUGLIESI, Femanda Loth		
INVENTOR'S DECLARATION AND ASSIGNMENT FOR UTIL USING AN APPLICATION DA	INVENTOR'S DECLARATION AND ASSIGNMENT FOR UTILITY OR DESIGN PATENT APPLICATION (37 CFR 1.63) USING AN APPLICATION DATA SHEET (37 CFR 1.76)			
Declaration Submitted With Initial Filing OR				
Declaration Submitted After Initial Filing (surcharge (37 C.F.I	R. § 1.16(f)) required)			
MODULE FOR PASSENGER SERVICE UNIT				
(Title of the Inv	rention)			
As a below named inventor, I hereby declare that:				
This declaration is directed to: ☐ the attached application, or ☐ United States Application Number 29/619,503 filed September 29, 2017, or ☐ PCT International application number filed on				
The above-identified application was made or authorized to be made by	y me.			
believe I am the original inventor or an original joint inventor of a claim				
hereby acknowledge that any willful false statement made in this declar by fine or imprisonment of not more than five (5) years, or both.	aration is punishable under 18	U.S.C. 1001		
WHEREAS, the undersigned (hereinafter ASSIGNOR), has made an in	vention in the Application iden	tified above		
WHEREAS, EMBRAER S.A. (hereinafter ASSIGNEE), an entity, having an office and place of business at Av. Brigadeiro Faria Lima, 2.170, São José dos Campos - SP., Brazil 12227-901, is desirous of acquiring an interest therein.				
NOW, THEREFORE, in consideration of Ten Dollars (\$10.00) and/or other good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, the said ASSIGNOR by these presents hereby sells, assigns, and transfers unto the said ASSIGNEE, its successors, assigns, and legal representatives. ASSIGNOR'S entire right, title and interest in the United States of America and all foreign countries, in and to the invention as described in the aforesaid application, and to the said application and to all subsequent applications based thereon including any and all continuations, divisions, reissues, and substitutes of said application, and all resulting patents, together with the right of priority under the International Convention for the Protection of Industrial Property, Inter-American Convention Relating to Patents, Designs and Industrial Models, and any other international agreements to which the United States of America adheres, and the ASSIGNOR hereby authorizes and requests the Commissioner of Patents and Trademarks to issue said Letters Patent to ASSIGNEE, for its interest as ASSIGNEE, its successors, assigns, and legal representatives. It is understood and agreed that ASSIGNEE's attorneys Nixon & Vanderhye P.C. have represented only ASSIGNEE and will continue to represent only ASSIGNEE with respect to this invention;				
ASSIGNOR hereby agrees to transfer a like interest upon request of sa representatives, and without further remuneration, in and to any improv of or related to the said invention;	rements, and applications for p	atents based thereon, growing out		
ASSIGNOR hereby agrees to execute any papers by ASSIGNEE, its successors, assigns, and legal representatives, deemed essential to ASSIGNEE'S full protection and title in and to the invention hereby transferred; and				
ASSIGNOR hereby agrees, upon request of ASSIGNEE, and without fu ASSIGNEE, for the filing and granting of foreign applications and the pu	ASSIGNOR hereby agrees, upon request of ASSIGNEE, and without further remuneration, to execute any and all papers desired by ASSIGNEE, for the filing and granting of foreign applications and the perfecting of title thereto in ASSIGNEE.			
AGREED and executed as noted below:				
LEGAL NAME OF INVENTOR/JOINT INVENTOR: (E.g., Given Name (first and middle (if any)) and Family Name or Suma	ame)			
Fernanda Loth		PUGLIESI		

IAVe acknowledge the duty to disclose information which is material to the patentability of this application as defined in 37 CFR §1.56.

Inventor's Signature:

OCTOMEN 04, 2017

	Dec code: Oath Pocument Description: Oath or declaration filed			
S	ACCOUNTY PASCUPAGE. Davi of Lacratabout man	Attorney Docket Number	BHD-4439-270	
		First Named Inventor	PUGLIESI, Femanda Loth	
	INVENTOR'S DECLARATION AND ASSIGNMENT FOR UTILIT USING AN APPLICATION DATA Declaration Submitted With Initial Filing OR	A SHEET (37 CFR 1.76)		
Į.	Declaration Submitted After Initial Filing (surcharge (37 C.F.R	. § 1.16(f)) required)		
and a second	MODULE FOR PASSENGE	R SERVICE UNIT		
and and a	(Title of the Inver	ition)		
-	As a below named inventor, I hereby declare that:			
and the second s	This declaration is directed to: ☐ the attached application, or ☐ United States Application Number 29/619,503 filed September ☐ PCT International application number filed on	<u>29, 2017</u> , or		
	The above-identified application was made or authorized to be made by n	ne.		
2	I believe I am the original inventor or an original joint inventor of a claimed invention in the application.			
-	I hereby acknowledge that any wilful 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.			
· · · · · · · · · · · · · · · · · · ·	WHEREAS, the undersigned (hereinafter ASSIGNOR), has made an inve	ntion in the Application iden	tified above.	
accountance of	WHEREAS, EMBRAER S.A. (hereinafter ASSIGNEE), an entity, having a 2 170, São José dos Campos – SP. Brazil 12227-901, is desirous of acqu	n office and place of busines		
***************************************	NOW, THEREFORE, in consideration of Ten Dollars (\$10.00) and/or othe of which are hereby acknowledged, the said ASSIGNOR by these present ASSIGNEE, its successors, assigns, and legal representatives, ASSIGNOC America and all foreign countries, in and to the invention as described in the subsequent applications based thereon including any and all continuation all resulting patents, together with the right of priority under the Internation American Convention Relating to Patents, Designs and Industrial Models, States of America adheres, and the ASSIGNOR hereby authorizes and resaid Letters Patent to ASSIGNEE, for its interest as ASSIGNEE, its successing that ASSIGNEE'S attorneys Nixon & Vanderhye P.C. have represent assigneed that ASSIGNEE'S attorneys Nixon & Vanderhye P.C. have represent assigneed that respect to this invention;	ts hereby sells, assigns, and DR'S entire right, title and into he aforesaid application, and s, divisions, reissues, and su rail Convention for the Protect and any other international quests the Commissioner of lesors, assigns, and legal rej	I transfers unto the said erest in the United States of d to the said application and to all abstitutes of said application, and cition of Industrial Property, Inter- agreements to which the United Patents and Trademarks to issue presentatives. It is understood and	
***************************************	ASSIGNOR hereby agrees to transfer a like interest upon request of said representatives, and without further remuneration, in and to any improven of or related to the said invention;			
	ASSIGNOR hereby agrees to execute any papers by ASSIGNEE, its succ	essors, assigns, and legal r	epresentatives, deemed essential	

to ASSIGNEE'S full protection and title in and to the invention hereby transferred; and

ASSIGNOR hereby agrees, upon request of ASSIGNEE, and without further remuneration, to execute any and all papers desired by ASSIGNEE, for the filling and granting of foreign applications and the perfecting of title thereto in ASSIGNEE.

AGREED and executed as noted below	W:	e, entire fight as		
Legal Name of Additional Joint Inventor, i	fany:			
(E.g., Given Name (first and middle (if any)) a	ind Family Name or Surname)			
Bruno 🧷	Kimura	CAST	ANHA	
Inventor's Signature		Date:	2017	
7:// **				

I/We acknowledge the duty to disclose information which is material to the patentability of this application as defined in 37 CFR §1.56.

Doc code: Oath Document Description: Oath or declaration filed Attorney Docket Number BHD-4439-270 First Named Inventor PUGLIESI, Fernanda Loth INVENTOR'S DECLARATION AND ASSIGNMENT FOR UTILITY OR DESIGN PATENT APPLICATION (37 CFR 1.63) USING AN APPLICATION DATA SHEET (37 CFR 1.76) Declaration Submitted With Initial Filing Declaration Submitted After Initial Filing (surcharge (37 C.F.R. § 1.16(f)) required) MODULE FOR PASSENGER SERVICE UNIT (Title of the Invention) As a below named inventor, I hereby declare that: This declaration is directed to: the attached application, or United States Application Number 29/619,503 filed September 29, 2017, or PCT International application number filed on The above-identified application was made or authorized to be made by me. I believe 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. WHEREAS, the undersigned (hereinafter ASSIGNOR), has made an invention in the Application identified above. WHEREAS, EMBRAER S.A. (hereinafter ASSIGNEE), an entity, having an office and place of business at Av. Brigadeiro Faria Lima, 2.170, São José dos Campos -- SP. Brazil 12227-901, is desirous of acquiring an interest therein; NOW, THEREFORE, in consideration of Ten Dollars (\$10.00) and/or other good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, the said ASSIGNOR by these presents hereby sells, assigns, and transfers unto the said ASSIGNEE, its successors, assigns, and legal representatives, ASSIGNOR'S entire right, title and interest in the United States of America and all foreign countries, in and to the invention as described in the aforesaid application, and to the said application and to all subsequent applications based thereon including any and all continuations, divisions, reissues, and substitutes of said application, and all resulting patents, together with the right of priority under the International Convention for the Protection of Industrial Property, Inter-American Convention Relating to Patents, Designs and Industrial Models, and any other international agreements to which the United States of America adheres, and the ASSIGNOR hereby authorizes and requests the Commissioner of Patents and Trademarks to issue said Letters Patent to ASSIGNEE, for its interest as ASSIGNEE, its successors, assigns, and legal representatives. It is understood and agreed that ASSIGNEE'S attorneys Nixon & Vanderhye P.C. have represented only ASSIGNEE and will continue to represent only ASSIGNEE with respect to this invention; ASSIGNOR hereby agrees to transfer a like interest upon request of said ASSIGNEE, its successors, assigns, and legal representatives, and without further remuneration, in and to any improvements, and applications for patents based thereon, growing out of or related to the said invention; ASSIGNOR hereby agrees to execute any papers by ASSIGNEE, its successors, assigns, and tegal representatives, deemed essential to ASSIGNEE'S full protection and title in and to the invention hereby transferred, and ASSIGNOR hereby agrees, upon request of ASSIGNEE, and without further remuneration, to execute any and all papers desired by ASSIGNEE, for the filing and granting of foreign applications and the perfecting of title thereto in ASSIGNEE. AGREED and executed as noted below: Legal Name of Additional Joint Inventor, if any: (E.g., Given Name (first and middle (if any)) and Family Name or Surname)

I/We acknowledge the duty to disclose information which is material to the patentability of this application as defined in 37 CFR §1.56.

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Doc code: Dath

Inventor's Signature:

Document Description: Oath or declaration filed Attorney Docket Number BHD-4439-270 First Named Inventor PUGLIESI, Fernanda Loth INVENTOR'S DECLARATION AND ASSIGNMENT FOR UTILITY OR DESIGN PATENT APPLICATION (37 CFR 1.63) USING AN APPLICATION DATA SHEET (37 CFR 1.76) Declaration Submitted With Initial Filing Declaration Submitted After Initial Filing (surcharge (37 C.F.R. § 1.16(f)) required) MODULE FOR PASSENGER SERVICE UNIT (Title of the Invention) As a below named inventor, I hereby declare that: This declaration is directed to: the attached application, or United States Application Number 29/619,503 filed September 29, 2017, or PCT International application number filed on The above-identified application was made or authorized to be made by me. I believe 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 WHEREAS, the undersigned (hereinafter ASSIGNOR), has made an invention in the Application identified above WHEREAS, EMBRAER S.A. (hereinafter ASSIGNEE), an entity, having an office and place of business at Av. Brigadeiro Fana Lima, 2.170, São José dos Campos - SP, Brazil 12227-901, is desirous of acquiring an interest therein; NOW, THEREFORE, in consideration of Ten Dollars (\$10.00) and/or other good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, the said ASSIGNOR by these presents hereby sells, assigns, and transfers unto the said ASSIGNEE, its successors, assigns, and legal representatives, ASSIGNOR'S entire right, title and interest in the United States of America and all foreign countries, in and to the invention as described in the eforesaid application, and to the said application and to all subsequent applications based thereon including any and all continuations, divisions, reissues, and substitutes of said application, and ail resulting patents, together with the right of priority under the International Convention for the Protection of Industrial Property, Inter-American Convention Relating to Patents, Designs and Industrial Models, and any other international agreements to which the United States of America adheres, and the ASSIGNOR hereby authorizes and requests the Commissioner of Patents and Trademarks to issue said Letters Patent to ASSIGNEE, for its interest as ASSIGNEE, its successors, assigns, and legal representatives. It is understood and agreed that ASSIGNEE'S attorneys Nixon & Venderhye P.C. have represented only ASSIGNEE and will continue to represent only ASSIGNEE with respect to this invention; ASSIGNOR hereby agrees to transfer a like interest upon request of said ASSIGNEE, its successors, assigns, and legal representatives, and without further remuneration, in and to any improvements, and applications for patents based thereon, growing out of or related to the said invention; ASSIGNOR hereby agrees to execute any papers by ASSIGNEE, its successors, assigns, and legal representatives, deemed essential to ASSIGNEE'S full protection and title in and to the invention hereby transferred; and ASSIGNOR hereby agrees, upon request of ASSIGNEE, and without further remuneration, to execute any and all papers desired by ASSIGNEE, for the filing and granting of foreign applications and the perfecting of title thereto in ASSIGNEE. AGREED and executed as noted below: Legal Name of Additional Joint Inventor, If any: (E.g., Given Name (first and middle (if any)) and Family Name or Surname)

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Date

10-5-17

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Document Description: Oath or declaration filed Attorney Docket Number BHO-4439-270 First Named Inventor PUGLIESI, Fernanda Loth INVENTOR'S DECLARATION AND ASSIGNMENT FOR UTILITY OR DESIGN PATENT APPLICATION (37 CFR 1.63) USING AN APPLICATION DATA SHEET (37 CFR 1.78) Declaration Submitted With Initial Filing OR Declaration Submitted After Initial Filing (surcharge (37 C.F.R. § 1.16(f)) required) MODULE FOR PASSENGER SERVICE UNIT (Title of the Invention) As a below named inventor, I hereby declare that: This declaration is directed to: the attached application, or 🔯 United States Application Number <u>29/619.503</u> filed <u>September 29, 2017</u>, or PCT International application number filed on The above-identified application was made or authorized to be made by me. I believe 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. WHEREAS, the undersigned (hereinafter ASSIGNDR), has made an invention in the Application identified above. WHEREAS, EMBRAER S.A. (hereinafter ASSIGNEE), an entity, having an office and place of business at Av. Brigadeiro Faria Lima, 2.170, São José dos Campos - SP, Brazil 12227-901, is desirous of acquiring an interest therein: NOW, THEREFORE, in consideration of Ten Dollars (\$10.00) and/or other good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, the said ASSIGNOR by these presents hereby sells, assigns, and transfers unto the said ASSIGNEE, its successors, assigns, and legal representatives. ASSIGNOR'S entire right, title and interest in the United States of America and all foreign countries, in and to the invention as described in the aforesaid application, and to the said application and to all subsequent applications based thereon including any and all continuations, divisions, reissues, and substitutes of said application, and all resulting patents, together with the right of priority under the International Convention for the Protection of Industrial Property, Inter-American Convention Relating to Patents, Designs and Industrial Models, and any other international agreements to which the United States of America adheres, and the ASSIGNOR hereby authorizes and requests the Commissioner of Patents and Trademarks to issue said Letters Patent to ASSIGNEE, for its interest as ASSIGNEE, its successors, assigns, and legal representatives. It is understood and agreed that ASSIGNEE'S attorneys Nixon & Vanderhye P.C. have represented only ASSIGNEE and will continue to represent only ASSIGNEE with respect to this invention; ASSIGNOR hereby agrees to transfer a like interest upon request of said ASSIGNEE, its successors, assigns, and legal representatives, and without further remuneration, in and to any improvements, and applications for patents based thereon, growing out of or related to the said invention; ASSIGNOR hereby agrees to execute any papers by ASSIGNEE, its successors, assigns, and legal representatives, deemed essential to ASSIGNEE'S full protection and title in and to the invention hereby transferred; and ASSIGNOR hereby agrees, upon request of ASSIGNEE, and without further remuneration, to execute any and all papers desired by ASSIGNEE, for the filling and granting of foreign applications and the perfecting of title thereto in ASSIGNEE. AGREED and executed as noted below: Legal Name of Additional Joint Inventor, if any: (E.g., Given Name (first and middle (if any)) and Family Name or Surname)

IWe acknowledge the duty to disclose information which is material to the patentability of this application as defined in 37 CFR §1.56,

Bain Jain

ZIERER

October 2017

Date

Inventor's Signature;