# 503813252 05/05/2016

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT3859900

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

#### **CONVEYING PARTY DATA**

Name	Execution Date
ADRIANO DONIZETI NOGUEIRA MACHADO CABRAL	02/24/2016
ALESSANDRO DA ROCHA MORDENTE	02/22/2016
LOLLAN NARU NONAKA	02/22/2016
LUCAS MATEUS MACHADO DUARTE TAVARES	02/24/2016
SIDNEY OSSES NUNES	02/04/2016
VALDECI GOMES DE OLIVEIRA	03/04/2016
WELLINGTON DE MOURA AOKI	02/22/2016
WEBER DE BRITO BARBOSA	02/22/2016

#### **RECEIVING PARTY DATA**

Name:	EMBRAER S.A.
Street Address:	AV. BRIGADEIRO FARIA LIMA, 2170
City:	SÃO JOSÉ DOS CAMPOS - SP
State/Country:	BRAZIL
Postal Code:	12227-901

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

Property Type	Number
Application Number:	15014279

#### **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:	703-8	16-4000	
Email:	PTOMAIL@nixonvan.com		
Correspondent Name:	NIXON & VANDERHYE, PC		
Address Line 1:	901 NORTH GLEBE ROAD, 11TH FLOOR		
Address Line 4:	ARLINGTON, VIRGINIA 22203		
NAME OF SUBMITTER:		BRYAN H. DAVIDSON	
SIGNATURE: /Bryan H. Davidson/			
DATE SIGNED: 05/05/2016			

	This document serves as an Oath/Declaration (37 CFR 1.63).
Total Attachments: 8	
source=4439-213_DECLARATION_ASS	SIGNMENT#page1.tif
source=4439-213_DECLARATION_ASS	SIGNMENT#page2.tif
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source=4439-213_DECLARATION_ASS	SIGNMENT#page8.tif

Doc code: Oath Document Description: Oath or declaration filed

	Attorney Docket Number	BHD-4439-213	
	First Named Inventor	CABRAL, Adriano Donizeti Nogueira Machado	
INVENTOR'S DECLARATION AND ASSIGNMENT FOR UTILITY OR DESIGN PATENT APPLICATION (37 CFR 1.63)			
USING AN APPLICATION DATA SHEET (37 CFR 1.76)			
OR Declaration Submitted After Initial Filing (surcharge (37 C.F.R. § 1.16(f)) required)			
LIGHTNING PROTECTION FOR AIRCRAFT FUSELAGE FU	JEL TANK VENTILATION	LINES	
(Title of the Invention)		<u>`</u>	
As a below named inventor, I hereby declare that:			
This declaration is directed to: the attached application, or United States Application Number 15/014,279 filed February 3, 201 PCT International application number filed on	6, or		
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 inve	ntion in the application.		
I hereby acknowledge that any willful false statement made in this declaration is by fine or imprisonment of not more than five (5) years, or both.	s punishable under 18 U.S.C.	1001	
WHEREAS, the undersigned (hereinafter ASSIGNOR), has made an invention	in the Application identified a	bove.	
WHEREAS, EMBRAER S.A. (hereinafter ASSIGNEE), a corporation of the Cou Av. Brigadeiro Faria Lima, 2170, São José dos Campos – SP, Brazil 12227-90			
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 filing and granting of foreign applications and the perfecting of title thereto in ASSIGNEE.			
AGREED and executed as noted below:	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 Surname)			
Adriano Donizeti Nogueira Machado	)	CABRAL	
Inventor's Signature: Date: 24/02/16			

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-4439-213	
	First Named Inventor	CABRAL, Adriano Donizeti Nogueira Machado	
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.R. §	1.16(f)) required)		
LIGHTNING PROTECTION FOR AIRCRAFT FUSELAGE	FUEL TANK VENTILATION	LINES	
(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 15/014,279 filed February 3, 20 PCT International application number filed on	016, or		
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 inventor of a claimed inventor	••		
I hereby acknowledge that any willful false statement made in this declaration by fine or imprisonment of not more than five (5) years, or both.	n is punishable under 18 U.S.C	. 1001	
WHEREAS, the undersigned (hereinafter ASSIGNOR), has made an invention	on in the Application identified a	above.	
WHEREAS, EMBRAER S.A. (hereinafter ASSIGNEE), a corporation of the C Av. Brigadeiro Faria Lima, 2170, São José dos Campos – SP, Brazii 12227-9			
NOW, THEREFORE, in consideration of Ten Doliars (\$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;			
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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 INVENTOR/JOINT INVENTOR: (E.g., Given Name (first and middle (if any)) and Family Name or Surname)			
Alessandro DA ROCHA MORDENTE			
Inventor's Signature: Alessandro de Roche Mordent	Date: E FEBR(	IARY 22md, 2016	

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

cument Description: Osth or declaration filed	Attorney Docket Number BHD-4439-213		
	Attorney Docket Number First Named Inventor	CABRAL, Adriano Donizeti Nogueira Machado	
INVENTOR'S DECLARATION AND ASSIGNMENT FOR UTIL USING AN APPLICATION DA Declaration Submitted With Initial Filing DR Declaration Submitted After Initial Filing (surcharge (37 C.F.	R. § 1.16(f)) required)	PLICATION (37 CFR 1.63)	
LIGHTNING PROTECTION FOR AIRCRAFT FUSELA	AGE FUEL TANK VENTILATK	JN LINES	
(Tille of the Inventio	n)		
As a below named inventor, I hereby declare that:			
This declaration is directed to:	/ 3, 2016, or	•	
The above-identified application was made or authorized to be made by	y me.		
I believe I am the original inventor or an original joint inventor of a clain	ned invention in the application.		
I hereby acknowledge that any willful false statement made in this decliby fine or imprisonment of not more than five (5) years, or both.	aration is punishable under 18 U.S	3.C. 1001	
WHEREAS, the undersigned (hereinatter ASSIGNOR), has made an ir	evention in the Application identifie	d above.	
WHEREAS, EMBRAER S.A. (hereinafter ASSIGNEE), a corporation ol Av. Brigadeiro Faria Lima, 2170, São José dos Campos - SP, Brazil 1:	I the Country of Brazil, having an o 2227-901, is desirous of acquiring	office and place of business at an interest therein;	
NOW, THEREFORE, in consideration of Ten Dollars (\$10.00) and/or of of which are hereby adknowledged, the said ASSIGNOR by these press ASSIGNEE, its successors, assigns, and legal representatives, ASSIG America and all foreign countries, in and to the Invention as described subsequent applications based thereon including any and all continuat all resulting patents, together with the right of priority under the Interna American Convention Relating to Patents, Designs and Industrial Mod States of America adheres, and the ASSIGNOR hereby authorizes and agreed that ASSIGNEE's attorneys Nixon & Vanderhye P.C. have rep ASSIGNEE with respect to this invention;	NOR'S entire right, title and intere in the aforesaid application, and the lons, divisions, reissues, and subs tional Convention for the Protectic els, and any other international ag d requests the Commissioner of P ccessors, assigns, and legal repre resented only ASSIGNEE and will	is in the United States of the said application and to all ditutes of said application, and in of Industrial Property, Inter- reements to which the United atents and Trademarks to issue isentatives. It is understood ar continue to represent only	
ASSIGNOR hereby agrees to transfer a like interest upon request of s representatives, and without further remuneration, in and to any impro of or related to the sald invention;	vements, and applications for pare	nus dases nursent grennig	
ASSIGNOR hereby agrees to execute any papers by ASSIGNEE, its a to ASSIGNEE's full protection and title in and to the Invention hereby to	ransierreu, anu		
ASSIGNOR hereby agrees, upon request of ASSIGNEE, and without ASSIGNEE, for the filing and granting of foreign applications and the p	further remuneration, to execute a perfecting of title thereto in ASSIG	ny and all papers desired by NEE.	
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 Sum	voma)		
IE n Given Name (first and middle (if any)) and Family Name of Suff	Home ends 1	NONAKA	
Lollan <u>Naru</u>	Date:		

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-4439-213	
	First Named Inventor	CABRAL, Adriano Donizeti Nogueira Machado	
INVENTOR'S DECLARATION AND ASSIGNMENT FOR UTILITY OF	R DESIGN PATENT APPL	ICATION (37 CFR 1.63)	
USING AN APPLICATION DATA SH	EET (37 CFR 1.76)		
Declaration Submitted With Initial Filing			
	(C(B)) as assisted by		
Declaration Submitted After Initial Filing (surcharge (37 C.F.R. § 1.	requirea)		
	IEL TANK VENTILATION	LINES	
(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 15/014,279 filed February 3, 201  PCT International application number filed on	6, or		
The above-identified application was made or authorized to be made by me.			
believe I am the original inventor or an original joint inventor of a claimed inve	ntion 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 a	bove.	
WHEREAS, EMBRAER S.A. (hereinafter ASSIGNEE), a corporation of the Cou			
Av. Brigadeiro Faria Lima, 2170, São José dos Campos SP, Brazil 12227-90			
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- America adheres, and the ASSIGNOR hereby authorizes and requests the Commissioner of Patents 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 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) Lucas Mateus Machado Duarte TAVARES			
Lucas Mateus Machado Duarte TAVARES			
Signature:	24/00	2/16	
$\int_{\mathcal{A}} \sum_{n=1}^{\infty} \sum_{i=1}^{\infty} \sum_{j=1}^{\infty} \sum_{i=1}$		1	

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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	Attorney Docket Number	BHD-4439-213		
	First Named Inventor	CABRAL, Adriano Donizeti Nogueira Machado		
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.R. § 1.16(f)) required)				
LIGHTNING PROTECTION FOR AIRCRAFT FUSELAGE F	UEL TANK VENTILATION	LINES		
(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 15/014,279 filed February 3, 2016, 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 inv	ention in the application.			
I hereby acknowledge that any willful faise statement made in this declaration by fine or imprisonment of not more than five (5) years, or both.	is punishable under 18 U.S.C	1001		
WHEREAS, the undersigned (hereinafter ASSIGNOR), has made an invention	n in the Application identified a	bove.		
WHEREAS, EMBRAER S.A. (hereinafter ASSIGNEE), a corporation of the Country of Brazil, having an office and place of business at Av. Brigadeiro Faria Lima, 2170, 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 applications based thereon including any and all continuations, divisions, relissues, and substitutes of said application, and to all subsequent applications based thereon including any and all continuations, divisions, relissues, 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;				
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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) Sidney A Osses NUNES				
Inventor's Signature:	Date: 04 Fl			
A second s				

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

Document Description: Uath or declaration filed	Attorney Docket Number	BHD-4439-213		
	First Named Inventor	CABRAL, Adriano Donizeti Nogueira Machado		
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)			
LIGHTNING PROTECTION FOR AIRCRAFT FUSELAGE FUEL TANK VENTILATION LINES				
(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 15/014,279 filed February 3, 20 PCT International application number filed on	16, or			
The above-identified application was made or authorized to be made by me.				
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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;				
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ASSIGNOR hereby agrees to execute any papers by ASSiGNEE, its successor to ASSIGNEE'S full protection and the in and to the invention hereby transferm	ors, assigns, and legal represe red; and	ntatives, deemed essential		
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AGREED and executed as noted below:				
Legal Name of Additional Joint Inventor, if any:				
(E.g., Given Name (first and middle (frany)) and Family Name or Surname) Valdec Gomes	Γ			
inventor's Signature:	Date: <>> (/			
		107/20/6		

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

cument Description: Oath or declaration filed	Attended De altrak Mittanke	BHD-4439-213	
	Attorney Docket Number	CABRAL, Adriano	
	First Named Inventor	Donizeti Nogueira Machado	
INVENTOR'S DECLARATION AND ASSIGNMENT FOR UTILD USING AN APPLICATION DATA Declaration Submitted With Initial Filing		LICATION (37 CFR 1.63)	
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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 Surnam Weijington	ne) DE	MOURA AOKI	
inventor's Wellingtonde Mour Aski.	Date: 22.0;	22016	
E Contraction Cont	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		

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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.				
WHEREAS, the undersigned (hereinafter ASSIGNOR), has made an invention in the Application identified above.				
WHEREAS, EMBRAER S.A. (hereinafter ASSIGNEE), a corporation of the Country of Brazil, having an office and place of business at Av. Brigadeiro Faria Lima, 2170, 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 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 Sumame)				
Weber	DE BRI	TO BARBOSA		
Signature: Willow de Brits Barber		× 22,20/6		

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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PATENT REEL: 038475 FRAME: 0145

### RECORDED: 05/05/2016