### 506791938 07/29/2021

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT6838757

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

#### **CONVEYING PARTY DATA**

Name	Execution Date
CLÉMENT BOUROLLEAU	02/25/2020
ALEXANDRE BRANCO	02/25/2020
SERGE DOMINGUES	02/25/2020
VINCENT PASCAL FIORE	02/25/2020
ANWER SIRAJ	02/25/2020

#### **RECEIVING PARTY DATA**

Name:	SAFRAN AIRCRAFT ENGINES
Street Address:	2 BOULEVARD DU GÉNÉRAL MARTIAL VALIN
City:	PARIS
State/Country:	FRANCE
Postal Code:	75015

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

Property Type	Number
Application Number:	17426901

#### **CORRESPONDENCE DATA**

**Fax Number:** (703)770-7901

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:** 703-770-7900

**Email:** maggie.barham@pillsburylaw.com

Correspondent Name: PILLSBURY WINTHROP SHAW PITTMAN, LLP

Address Line 1: PO BOX 10500

Address Line 4: MCLEAN, VIRGINIA 22102

ATTORNEY DOCKET NUMBER:	012350-0562235	
NAME OF SUBMITTER:	MARGARET BARHAM	
SIGNATURE:	/Margaret Barham/	
DATE SIGNED:	07/29/2021	

**Total Attachments: 5** 

source=012350-0562235\_Dec\_Assign#page1.tif

PATENT REEL: 057023 FRAME: 0407

506791938

source=012350-0562235\_Dec\_Assign#page2.tif source=012350-0562235\_Dec\_Assign#page3.tif source=012350-0562235\_Dec\_Assign#page4.tif source=012350-0562235\_Dec\_Assign#page5.tif

H4. 6 021301

# Worldwide Assignment & US Declaration (37 CFR 1.63) for utility or design application using an application data sheet (37 CFR 1.76)

As a below named inventor, I hereby declare that, I

inventor Name	Complete Address		
BOUROLLEAU , Clément	c/o Safran CEPI, Rond	c/o Safran CEPI, Rond-point René Ravaud - Réau 77550 MOISSY-CRAMAYEL FRANCE	
(Hereinafter referred to as the Assign	or) have made an invention entitled:		
Title of invention (in English)	***************************************		
CASING MADE OF COMPOSITE	MATERIAL WITH LOCAL VARIAT	ION OF THICKNESS	
Title of laveation (in French)			
or which an application for Letters Pa	tent has been filed in the following cou	nity:	
Country	Filing Date	Serial Number	
France	61/30/2019	19 00875	
,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,			
***************************************	s/were made or authorized to be made		
WD, WHEREAS,  Corporation Name	r or an original joint inventor of a claim  Complete Address	eu moentou in the appinension.	
Safran Aircraft Engines	2 Boulevard Du Genera	il Martial Valin 75015 Paris France	
	**************************************		
rerematter referred to as the Assigne orld, and in and to the aforemention	e(s)) is/are desirous of securing the el ed applications for Letters Patent on th	tific right, title, and interest in and to this invention in all countries throughou is invention and the Letters Patent to be issued upon these applications;	
ufficiency of which from the Assignee; all, assign, transfer and set over unto oplications, and all divisions, and con nority on these of such applications, a	[5] is hereby acknowledged, by these pi the Assignee[s], its/their lawful success itinuations thereof, and all Letters Pa and all applications for Letters Patent if	One EURO (£1.00) and other good and valuable consideration, the receipt esents, I, the Assignor, have sold, assigned, transferred, and set over, and do he ors and assigns, my entire right, title, and interest in and to this invention and t tent that may be granted thereon, and all reissues thereol, and all rights to clear that he to the filed for this invention in any country and all Letters Patent is, and reissues thereof; and I hereby authorize and request the Commissione	

AND, I HERCBY covenant that I have the full right to convey the interest assigned by this Assignment, and I have not executed and will not execute any agreement in conflict with this Assignment;

Patents (or other appropriate official whose duty is to issue patents) of the United States, Canada, and any other country, to issue Letters Patent for this invention

AND, I HEREBY further covenant and agree that I will communicate with the Assignee(s), its/their successors and assigns, any facts known to me respecting this invention, testify in any legal proceedings, sign all lawful papers when called upon to do so, execute and deliver any and all papers that may be necessary or desirable to perfect the title to this invention in said Assignee(s), its/their successors or assigns, execute all divisional, continuation, reissue, and re-examination applications, make all rightful oaths and generally do everything possible to aid the Assignee(s), its/their successors and assigns, to obtain and enforce proper patent protection for this invention in any country, it being understood that, irrespective of whether I am in the employ of the Assignee(s) or its/their affiliates, any expense incident to the performance of the obligations of the present paragraph shall be borne by the Assignee(s), its/their successors, and assigns.

This Assignment agreement is effective as of the earliest filing date mentioned above.

to the Assignee(s), its/their successors and assigns, in accordance with the terms of this Assignment;

AND, I/WE HEREBY acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by line or imprisonment of not more than five (5) years, or both.

IN TESTIMONY WHEREOF, I HAVE SIGNED:

Date	Ploce	inventor Name & Signature	Witness Name & Signature
February 25, 2020		BOUROLLEAU , Clément	ADKUSSE, Georgian
	Villanoche	<u> Boredon</u>	

Ref. E-021103.

# Worldwide Assignment & US Declaration (37 CFR 1.63) for utility or design application using an application data sheet (37 CFR 1.76)

As a below named inventor, I hereby declare that, I

inventor Nome	Complete Address	Complete Address	
BRANCO, Alexandre	c/o Safran CEPI, Rond	point René Ravaud - Réau 77550 MOISSY-CRAMAYEL FRANCE	*************
(Hereinafter referred to as the Assign	or) have made an invention entitled:		
	E MATERIAL WITH LOCAL VARIAT		
Title of Invention (in French)			
			***********
for which an application for Letters Po	atent has been filed in the following cou	intry:	
Country	Filing Dute	Serial Number	
France	01/30/2019	19 00875	*************
			*******
The above-identified application(s) w	as/were made or authorized to be made	by me.	
believe that I am the original invento	or or an original joint inventor of a claim	ed invention in the application.	
and, whereas,			
Canada Maria	Canadan Addan	······································	

Corporation Name	Complete Address
Safran Aircraft Engines	2 Boulevard Du General Martial Valin 75015 Paris France
}	

(Hereinafter referred to as the Assignee(s)) is/are desirous of securing the entire right, title, and interest in and to this invention in all countries throughout the world, and in and to the aforementioned applications for Letters Patent on this invention and the Letters Patent to be issued upon these applications:

NOW THEREFORE, be it known that for and in consideration of One EURO (£1.00) and other good and valuable consideration, the receipt and sufficiency of which from the Assignee(s) is hereby acknowledged, by these presents, i, the Assignor, have soid, assigned, transferred, and set over, and do hereby sell, assign, transfer and set over unto the Assignee(s), its/their lawful successors and assigns, my entire right, title, and interest in and to this invention and these applications, and all divisions, and continuations thereof, and all tetters Patent that may be granted thereon, and all reissues thereof, and all rights to claim priority on these of such applications, and all applications for Letters Patent that may hereafter be filed for this invention in any country and all extensions, renewals, and reissues thereof; and I hereby authorize and request the Commissioners of Patents (or other appropriate official whose duty is to issue patents) of the United States, Canada, and any other country, to issue Letters Patent for this invention to the Assignment;

AND, I HEREBY covenant that I have the full right to convey the interest assigned by this Assignment, and I have not executed and will not execute any agreement in conflict with this Assignment;

AND, I HEREBY further coveriant and agree that I will communicate with the Assignee(s), its/their successors and assigns, any facts known to me respecting this invention, testify in any legal proceedings, sign all lawful papers when called upon to do so, execute and deliver any and all papers that may be necessary or desirable to perfect the title to this invention in said Assignee(s), its/their successors or assigns, execute all divisional, continuation, reissue, and re-examination applications, make all rightful eaths and generally do everything possible to aid the Assignee(s), its/their successors and essigns, to obtain and enforce proper patent protection for this invention in any country, it being understood that, irrespective of whether I am in the employ of the Assignee(s) or its/their affiliates, any expense incident to the performance of the obligations of the present paragraph shall be borne by the Assignee(s), its/their successors, and assigns.

This Assignment agreement is effective as of the earliest filing date mentioned above.

AND, I/WE 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.

IN TESTIMONY WHEREOF, I HAVE SIGNED:

Dote	Place	Inventor Name & Signature	Witness Name & Signature
February 25, 2020	Villaroche	BRANCO, Alexandre	CHARRER, David Abais
		Franse	

Ref. 8-021101

# Worldwide Assignment & US Declaration (37 CFR 1.63) for utility or design application using an application data sheet (37 CFR 1.76)

As a below named inventor, I hereby declare that, I

iaventor Name	Complete Address	Complete Address		
DOMINGUES, Serge	c/o Safran CEPI, Rond	c/o Safran CEPI, Rond-point René Ravaud - Réau 77550 MOISSY-CRAMAYEL FRANCE		
	or) have made an invention entitled:			
Title of invention (in English)				
CASING MADE OF COMPOSIT	E MATERIAL WITH LOCAL VARIAT	ON OF THICKNESS		
Title of Invention (in French)				
for which an application for Letters P	stent has been filed in the following cou	ntry:		
Country	Filing Date	Serial Number		
France	81/30/2019	19 00875		
The above-identified application(s) w	as/were made or authorized to be mad	e by me,		
believe that I am the original invent	or or an original joint inventor of a daim	ed invention in the application.		
and, whereas,				

Corporation Name	Complete Address
SAFRAN AIRCRAFT ENGINES	2 Boulevard Ou General Martial Valin 75015 Paris France
<u>}</u>	

(Hereinafter referred to as the Assignee(s)) Is/are desirous of securing the entire right, title, and interest in and to this invention in all countries throughout the world, and in and to the aforementioned applications for Letters Patent on this invention and the Letters Patent to be issued upon these applications;

NOW THEREFORE, be it known that for and in consideration of One EURO (£1.00) and other good and valuable consideration, the receipt and sufficiency of which from the Assignee[s] is hereby acknowledged, by these presents, I, the Assigner, have sold, assigned, transferred, and set over, and do hereby self, assign, transfer and set over unto the Assignee[s], its/their lawful successors and assigns, my entire right, title, and interest in and to this invention and these applications, and all divisions, and continuations thereof, and all Letters Patent that may be granted thereon, and all reissues thereof, and all rights to claim priority on these of such applications, and all applications for Letters Patent that may hereafter be filed for this invention in any country and all Letters Patent that may be granted on this invention in any country, and all extensions, renewals, and reissues thereof; and I hereby authorize and request the Commissioners of Patents for other appropriate official whose duty is to issue patents) of the United States, Canada, and any other country, to issue Letters Patent for this invention to the Assignment; its/their successors and assigns, in accordance with the terms of this Assignment;

AND, I HEREBY covenant that I have the full right to convey the interest assigned by this Assignment, and I have not executed and will not execute any agreement in conflict with this Assignment;

AND, I HEREBY further covenant and agree that I will communicate with the Assignee[s], its/their successors and assigns, any facts known to me respecting this invention, testify in any legal proceedings, sign all lawful papers when called upon to do so, execute and deliver any and all papers that may be necessary or desirable to perfect the title to this invention in said Assignee[s], its/their successors or assigns, execute all divisional, continuation, reissue, and re-examination applications, make all rightful oaths and generally do everything possible to aid the Assignee[s], its/their successors and assigns, to obtain and enforce proper patent protection for this invention in any country, it being understood that, irrespective of whether I am in the employ of the Assignee[s] or its/their affiliates, any expense incident to the performance of the obligations of the present paragraph shall be borne by the Assignee[s], its/their successors, and assigns.

This Assignment agreement is effective as of the earliest filing date mentioned above.

AND, I/WE 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.

IN TESTIMONY WHEREOF, I HAVE SIGNED:

Date	Place	Inventor Name & Signature	Witness Name & Signature
February 25, 2020	Monterau	COMINGUES, Serge	ABADIE, Guillaume
		3	

8ef. 8-021303.

## Worldwide Assignment & US Declaration (37 CFR 1.63) for utility or design application using an application data sheet (37 CFR 1.76)

As a below named inventor, I hereby declare that, I

inventor Nome	Complete Address			
FIORE, Vincent Pascal	ic/o Safran CEPI, Rond-point René Ravaud - Réau 77550 MOISSY-CRAMAYEL FRANCE	*******		
(Hereinafter referred to as the Assignor) I	ive made an invention entitled:			
Title of invention (in English)				
CASING MADE OF COMPOSITE MATERIAL WITH LOCAL VARIATION OF THICKNESS				
Title of invention lin Granchi				
	***************************************	,,,		

for which an application for Letters Patent has been filed in the following country:

1	Country	Filing Date	Serial Number
-	France	01/30/2019	19 00875
dentities			

The above-identified application(s) was/were made or authorized to be made by me.

I believe that I am the original inventor or an original joint inventor of a claimed invention in the application,

AND, WHEREAS,

Corporation Name	Complete Address
Safran Aircraft Engines	2 Boulevard Du General Martial Valin 75015 Paris France

(Hereinafter referred to as the Assignee(s)) is/are desirous of securing the entire right, title, and interest in and to this invention in all countries throughout the world, and in and to the aforementioned applications for Letters Patent on this invention and the Letters Patent to be issued upon these applications:

NOW THEREFORE, he it known that for and in consideration of One EURO (EL.OD) and other good and valuable consideration, the receipt and sufficiency of which from the Assignme(s) is hereby acknowledged, by these presents, I, the Assignor, have sold, assigned, transferred, and set over, and do hereby sell, assign, transfer and set over ento the Assignee(s), its/their lawful successors and assigns, my entire right, title, and interest in and to this invention and these applications, and all divisions, and continuations treneof, and all Letters Patent that may be granted thereon, and all reissues thereof, and all rights to claim priority on these of such applications, and all applications for Letters Patent that may bereafter be filed for this invention in any country and all Letters Patent that may be granted on this invention in any country, and all extensions, renewals, and reissues thereof; and I hereby authorize and request the Commissioners of Patents (or other appropriate official whose duty is to issue patents) of the United States, Canada, and any other country, to issue Letters Patent for this invention to the Assignee[s], its/their successors and assigns, in accordance with the terms of this Assignment;

AND, I HEREBY coveriant that I have the full right to convey the interest assigned by this Assignment, and I have not executed and will not execute any agreement in conflict with this Assignment:

AND, I HEREBY further sovenant and agree that I will communicate with the Assignee[1], its/their successors and assigns, any facts known to me respecting this invention, testify in any legal proceedings, sign all lawful papers when called upon to do so, execute and deliver any and all papers that may be necessary or destrable to perfect the title to this invention in said Assignee[s], its/their successors or assigns, execute all divisional, continuation, reissue, and reexamination applications, make all rightful paths and generally do everything possible to aid the Assignee(s), its/their successors and assigns, to obtain and enforce proper patent protection for this invention in any country, it being understood that, irrespective of whether I am In the employ of the Assignce(s) or its/their affiliates, any expense incident to the performance of the obligations of the present paragraph shall be borne by the Assignee(s), its/their successors, and

This Assignment agreement is effective as of the earliest filing date mentioned above:

AND, I/WE HEREBY acknowledge that any wilful false statement made in this declaration is punishable under 18 U.S.C. 1000, by fine or imprisonment of not more than five (5) years, or both.

IN TESTIMONY WHEREOF, I HAVE SIGNED:

1	Date	Place	Inventor Name & Signature	Witness Name & Signature
	February 25, 2020	Villaroche	FIORE, Vincent Pascal	CASSISSE, Scott Rug
	:			

Ref. R-021301

## Worldwide Assignment & US Declaration (37 CFR 1.63) for utility or design application using an application data sheet (37 CFR 1.76)

Complete Address

As a below named inventor, I hereby declare that, I

inventor Name

SIRAJ, Anwer	c/o Safran CEPI, Rond-point René Ravaud - Réau 77550 MOISSY-CRAMAYEL FRANCE		
(Mereinafter referred to as the Assignor)	have made an invention entitled:		
Title of invention (in English)			
CASING MADE OF COMPOSITE N	MATERIAL WITH LOCAL VARIATI	ON OF THICKNESS	
Title of Invention (in French)			
for which an application for Letters Pate	int has been fried in the rollowing cour	ntry:	
Country	Filing Date	Serial Number	
France	01/30/2019	19 00875	
The above-identified application(s) was/	were made or authorized to be made	by me.	
believe that I am the original inventor of	or an original joint inventor of a claims	ed invention in the application.	
and, whereas,			
Corporation Name	Complete Address		
SAFRAN AVRCRAFT ENGINES	2 Boulevard Du Genera	2 Boulevard Du General Martial Valin 75015 Paris France	
:	***************************************		
	\$		

world, and in and to the aforementioned applications for Letters Patent on this invention and the Letters Patent to be issued upon these applications;

NOW THEREFORE, be it known that for and in consideration of One EURO (ELDO) and other good and valuable consideration, the receipt and sufficiency of which from the Assignee(s) is hereby acknowledged, by these presents, I, the Assignor, have sold, assigned, transferred, and set over, and do hereby self, assign, transfer and set over unto the Assignee(s), its/their lawful successors and assigns, my entire right, title, and interest in and to this invention and these applications, and all divisions, and continuations thereof, and all Letters Patent that may be granted thereon, and all reissues thereof, and all rights to claim priority on these of such applications, and all applications for Letters Patent that may hereafter be filed for this invention in any country and all Letters Patent that may be granted on this invention in any country, and all extensions, renewals, and reissues thereof; and I hereby authorize and request the Commissioners of Patents (or other appropriate official whose duty is to issue patents) of the United States, Canada, and any other country, to issue Letters Patent for this invention to the Assignee[s], its/their successors and assigns, in accordance with the terms of this Assignment;

AND, I HEREBY covenant that I have the full right to convey the interest assigned by this Assignment, and I have not executed and will not execute any agreement in conflict with this Assignment;

AND, I HEREBY further covenant and agree that I will communicate with the Assignee(s), its/their successors and assigns, any facts known to me respecting this invention, testify in any legal proceedings, sign all lawful papers when called upon to do so, execute and deliver any and all papers that may be necessary or desirable to perfect the title to this invention in said Assignee(s), its/their successors or assigns, execute all divisional, continuation, reissue, and reexamination applications, make all rightful oaths and generally do everything possible to aid the Assignee(s), its/their successors and assigns, to obtain and enforce proper patent protection for this invention in any country, it being understood that, irrespective of whether I am in the employ of the Assignee(s) or its/their affiliates, any expense incident to the performance of the obligations of the present paragraph shall be borne by the Assignee(s), its/their successors, and

This Assignment agreement is effective as of the earliest filing date mentioned above.

AND, I/WE 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.

IN TESTIMONY WHEREOF, I HAVE SIGNED:

	Dote	Flace	inventor Nome & Signature	Witness Name & Signature
	February 25, 2020	3.	SIRAI, Anwer 📐	DUPAYS, Tilgroups
	:	Mo Oach		
		Ourcon	W. A. C.	
- 1			(A)	

PATENT REEL: 057023 FRAME: 0413

RECORDED: 07/29/2021