#### 507523814 10/03/2022

### PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 **EPAS ID: PAT7570708** 

SUBMISSION TYPE:	NEW ASSIGNMENT	
NATURE OF CONVEYANCE:	ASSIGNMENT	

#### **CONVEYING PARTY DATA**

Name	Execution Date
MOHAMMED-LAMINE BOUTALEB	09/19/2022
NICOLAS VINCENT PIERRE-YVES COTEREAU	09/19/2022
SÉBASTIEN ORIOL	09/19/2022

### **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:	17995204		

### CORRESPONDENCE DATA

Fax Number: (216)579-6073

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: (216)579-1700 Email: kwiles@pearne.com

PEARNE & GORDON LLP **Correspondent Name:** Address Line 1: 1801 EAST 9TH STREET

Address Line 2: **SUITE 1200** 

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ATTORNEY DOCKET NUMBER:	BRV5-66863
NAME OF SUBMITTER:	AARON A. FISHMAN
SIGNATURE:	/Aaron A. Fishman/
DATE SIGNED:	10/03/2022

### **Total Attachments: 3**

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

SOUTALER, Mohammed-Lamine  SAFRAN, Co Comprete discontinue Progridité intellectuelle, Rond-point René Kavaud-Réc 7750 MCNSSY-CRAMAYEL, France  Hereinsifier referred to as the Assigned; have made an invention entitled: Title of invention (in inglish)  Title of invention (in France)  The above iduntified 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 clahmed invention in the application.  AND, WHEREAS,  Composition Name  Complete Address  SAFRAN AIRCRAFT ENSINES  2 Boulevard Du General Martial Valin 75015 Paris France  (Harrimatter referred to as the Assignes(s)) is/are destrous of accurring the entire right, title, and interest mand to this invention in all countries or an invention of the dispersion of the state of the					
Title of invention (in English)					
Title of invention (in English)  Title of invention (in English)  Title of invention (in English)  To which an application for Letters Patent has been filed in the following country:  Country Filing Date Service Service inventor  France O4/02/2020 2003303  The above-identified application(s) was/were made or authorised to be made by me.  believe that I am the original inventor or an original joint inventor of a claimed invention in the application.  AND, WHEREAS,  Comprete Address  2 Boulevard Du General Martial Valin 75015 Paris France  SAFRAN AIRCRAFT ENGINES  2 Boulevard Du General Martial Valin 75015 Paris France  NOW THEREOS, be it known that for and in consideration of the Europe Service in the Issued upon these spipilication of and in and to the sforementioned applications for Letters Patent on this invention and the Letters Patent in the Issued upon these spipilications, and all divisions, and continuations thereof, and all citters Patent that may be granted thereon, and all reliause thereof, and all citters Patent that may be granted thereon, and all reliause thereof, and all citters patent that may be granted thereon, and all reliaus thereof, and all citters patent that may he read for this invention in any country and all streams for other pool on this invention in any country, and all exceptions, permeash, and residence thereof, and all reliaus thereof, and assigns, and residence thereof and the reference, and events the Assignment, and i have not executed and with the terms of this Assignment, and i have not executed and with the terms of this Assignment, and i have not executed and with the terms of this Assignment, and i have not executed and with the terms of this Assignment, and i have not executed and with the terms of this Assignment, and i have not executed and with the terms of this Assignment, and i have not executed and with the terms of this Assignment, and i have not executed and with the terms of this Assignment.	SAFRAN, t/o Centre d'Excellence Propriété Intellectuelle, Rond-point René Rayaud-Réau				
Title of invention (in French)  for which an application for Letters Patent has been filled in the following country.  Filling Date  Sertial Number  Sertial N					
for which an application for Letters Patent has been flied in the following country:    Setting Date   Settin Number					
for which an application for Letters Patent has been filed in the following country:    Country   Siling Date   Serial Number					
France O4/02/2020 2003309  The above-identified application(s) was/were made or authorized to be made by me.  believe that I am the original inventor or an original joint inventor of a claimed invention in the application.  UND, WHEREAS,  Complete Address  2 Boulevard Da General Martial Valin 75015 Paris France  SAFRAN AIRCRAFT ENGINES 2 Boulevard Da General Martial Valin 75015 Paris France  SAFRAN AIRCRAFT ENGINES 2 Boulevard Da General Martial Valin 75015 Paris France  In the aforementioned applications for Letters Patent on this invention and the Letters Patent to be issued upon these applications of which from the Assignee(s) is hereby acknowledged, by these presents, I, the Assignor, have soid, assigned, transferred, and set on the safe set over unto the Assignee(s), its/freit lawful successors and assigns, my entire right, title, and interest in and to this in processor and all divisions, and continuations thereof, and all Letters Patent that may be granted thereon, and all resisues thereof, and signs, in a set appropriate official whose duty is to issue patents) or the United States, Canada, and any other country, to issue Letters Patent the Assignee(s), list/their successors and assigns, in accordance with the terms of this Assignment, and I have not executed and whose duty is to issue patents) or the United States, Canada, and any other country, to issue Letters Patent the Assignee(s), list/their successors and assigns, in accordance with the terms of this Assignment, and I have not executed and whose duty is to issue patents) or the United States, Canada, and any other country, to issue Letters Patent the Assignee(s), list/their successors and assigns, in accordance with the terms of this Assignment, and I have not executed and when the Assignee(s), list/their successors and assigns, in accordance with the terms of this Assignment, and I have not executed and we					
France 04/02/2020 2003309  The above identified application(s) was/were made or authorized to be made by mo.  In the above identified application(s) was/were made or authorized to be made by mo.  In the above identified application(s) was/were made or authorized to be made by mo.  In the above identified application(s) was/were made or authorized to be made by mo.  In the above identified application(s) was/were made or authorized to be made by mo.  In the above identified application or an original joint inventor of a claimed invention in the application.  AND, WHEREAS,  Corporation Name  Complete Address  2 Boulevard Da General Martial Valin 75015 Paris France  SAFRAN AIRCRAFT ENGINES  2 Boulevard Da General Martial Valin 75015 Paris France  NOW THEREFORE, be it known that for and in consideration of One EURO (ELDO) and other good and valuable consideration of the invention in the Assigned(s) is hereby acknowledged, by these presents, i, the Assignor, have sold, assigned, transferred, and set over unto the Assignee(s), its/friek lawful successors and assigns, my entire right, title, and interest in and to this in plotations, and continuations thereof, and all furthers Patent that may be granted thereon, and all resistance thereof, and spiration in any country, and all ay be granted on this invention in any country, and all ay be granted on this invention in any country, and all ay be granted on this invention in any country, and all ay be granted on this invention in any country, and all ay the granted on this invention in any country, and all ay the granted on this invention in any country, and all ay the granted on this invention in any country, and all ay the granted on this invention in any country, and all extensions, renewals, and reissues thereof; and it hereby authorize and request the thems of or their appropriate official whose duty is to issue patents) of the United States, Canada, and any other country, to issue Letters Patent the Assignee(s), list/their successors and assigns, in accordance with					
France D4/02/2020 2003309  The above-identified application(s) was/were made or authorized to be made by mo.  I believe that I am the original inventor or an original joint inventor of a claimed invention in the application.  AND, WHEREAS,  Composite Address  2 Boulevard Du General Martial Valin 75015 Parts France  Terminatter referred to as the Assignee(s) is/are desirous of securing the entire right, title, and interest in and to this invention in all countriered, 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 discinctly of which from the Assignee(s) is hereby acknowledged, by these presents I, the Assignor, have sold, assigned, transfer and on this invention, and all distinctions, and all adjustications for Letters Patent that may be granted thereon, and all reference in and to this invention in any country, and all applications, and all applications for Letters Patent that may be granted thereon, and all reference in and to this invention in any country, and all extensions, renewals, and reissues thereof; and it hereby authorize and request the tens of the single appropriate official whose duty is to issue patents) of the United States, Canada, and any other country, to issue Letters Patent that Assignee(s), its/their successors and assigns, in accordance with the terms of this Assignment, and I have not executed and we have a such applications and all applications of the terms of this Assignment, and I have not executed and we have a such application and any other country, to issue Letters Patent that Assignee(s), its/their successors and assigns, in accordance with the terms of this Assignment, and I have not executed and we have the full right to convey the interest assigned by this Assignment, and I have not executed and we have the full right to convey the interest assigned by this Assignmen					
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note: proper potent protection for this invention in any country, it being understood that irrespective of whether I am in the appropriate and the					
(their affiliates, any expense incident to the performance of the obligations of the present paragraph shall be borne by the Assignaelsi, its/their	Successors, and				
This Assignment agreement is effective as of the earliest filing date mentioned above.					
AND, UWE HEREBY acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine	t imaticument				
tor more streaming (3) leads' by Both.					
TESTIMONY WHEREOF, I HAVE SIGNED:  JOSEPH STORE STORE STORED STOR					
Witness Name & Signature					
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# Worldwide Assignment & US Declaration (37 CFR 1.63) for utility or design application using an application data sheet (37 CFR 1.76)

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COTEREAU, Nicolas Vinc	prit Piacra, Vicac	SAFRAN, c/o Centre d'Excelle	nce Propriété Intell	sctuells, Rond-point René Rayaud-Réau
	cité cientes nos	77SSO MOISSY-CRAMAVEL, Fr	ance	
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	Letters Patent has bee	n filed in the following country:		
Country		Filing Date	Serial Number	
France		04/02/2020	2003309	
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		or authorized to be made by me.		
believe that I am the origin	al inventor or an origin	of joint inventor of a claimed laven	tion in the applicat	icos.
IND, WHEREAS,				
Corporation Name		Complete Address	***************************************	
SAFRAN AIRCRAFT ENGIN	ES	2 Boulevard Du General Martial	Valin 75015 Paris	France
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AND, HEREBY cov eemant in conflict with thi	enant that I have the fo s Assignment;	ill right to convey the interest assig	gned by this Assign	ment, and I have not executed and will not execute as
ressary or desirable to perf imination applications, ma force proper patent protec	my in any iegai procees act the title to this inve ke all rightful oaths ar tion for this invention	Dings, sign all lawful papers when ention in said Assignee(s), its/their and generally do everything possible in any country, it being understor	called upon to do: successors or assig le to aid the Assig ad that: irrespection	Wheir successors and assigns, any facts known to misso, execute and deliver any and all papers that may be use, execute all divisional, continuation, reissua, and renaejsi, its/their successors and assigns, to obtain an ed whether I am in the employ of the Assignee(s) of the Assignee(s) all be borne by the Assignee(s), its/their successors, and
This Assignment ag	reement is effective as	of the earliest filing date mentione	d above.	
AND, I/WE HEREBY of more than five (5) years	acknowledge that any , or both.	willful false statement made in thi	is declaration is pui	nishable under 18 U.S.C. 1001 by fine or imprisonmen
estimony whereof, i ha	VE SIGNED: Place	inventor Name & Signature	***************************************	Witnes: Name & Signature
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9/09/2022	er Commission	Mahan	υ-1 ×α.2; Σ.,	K. B 60 NO
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### Worldwide Assignment & US Declaration (37 CFR 1.63) for utility or design application using an application data sheet (37 CFR 1.76)

ORIGI, Sibustien  SAFRAM, Co Centre of Excellance Proprieto Intellectualie, Rend-point René Ravaud-Réau  77550 MCRISSE-CRAMAYSI, France  Financiaries referred to as the Assigner() lave made an invention estitled:  Title of Invention (in France)  ON/02/2000	As a below named inve	intor, I hereby declare th				
inveninglier inferred to as the Assigned ji lave made an invention entitled:  Title of invention (in French)  Title of inventi	discount of the contract of th	m hitaminanananananananananananananananananan	SAFRAN, c/o Centre d'E	Complete Address SAFRAN, c/o Centre d'Excellence Propriété intellectuelle, Rond-point René Ravaud-Béau		
Title of invention (in French)  Title of invention (in French)  Triving Date Served Number  France O4/02/2000 200309  a shove-identified application(s) was/were made or authorized to be made by me eliceve that it am the original inventor or an original joint inventor or a claimed invention in the application.  (i), WHSERAS.  Compreted Number Complete Address  Z Boulevard Du General Martial Valin 75015 Parts. France  Complete Address  Z Boulevard Du General Martial Valin 75015 Parts. France  Complete Address  Z Boulevard Du General Martial Valin 75015 Parts. France  WHSERAS.  NOW THEREFORE, be it known that for and in consideration of One EURO (£1,00) and other good and valuable contains, the receipt on claims of the discontinuous place of the subject of the sub	juniori in		77950 MOISSY-CRAMAY	EL, France		
The of Invention (in French)  The of Invention (in French)  This of Invention (in French)  Fing Dete  Od/02/2020  2003999  All Country  Fing Dete  Serial Number  Complete date is an the original inventor or an original joint inventor of a claimed invention in the application.  B. WHEREAS.  2000leward Du General Martial Yalin 75015 Paris France  Complete Address  2 Souleward Du General Martial Yalin 75015 Paris France  All Complete Address  2 Souleward Du General Martial Yalin 75015 Paris France  Treinafter referred to as the Assignee(s) liyare decinous of securing the entire right, title, and interest in and to this invention in an all countries throughout title, and in an in the deters France of the Assignee(s) is serbly acknowledged, by these presents, in the Asign, on the season of the Assignee(s) is serbly acknowledged, by these presents, in the Asign, on the violation of the Asignee(s), its/their leaving successors and asigns, any entire right. Business, and continuations thereof, and all Letters Parient to the invention in any and of the Asignee(s), its/their leaving successors and asigns, any entire right, and interest in and to this invention in any country, and all extensions, premade, and research and interest parient of the invention of the invention in any country, and all extensions, remades the filed for this invention in any country, and all extensions, remades of the Superior and Chical Whose duty is to sour patents of the United States, Canada, and any other country, to issue Letters Patent for this invention.  AND, IMERIEN further coveranct and algree that I will communicate with the Assignment, and I have not executed and will not execute an element in country, to issue Letters Patent for this invention.  AND, IMERIEN further coveranct and algree that I will communicate with the Assignment, and I have no	Title of invention fin	s as the Assignor) have m nallsh)	ade an invention entitled:			
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Peance  Od/02/2020  2003309  e above-identified application(s) was/were made or authorized to be made by me elieve that can the indiginal inventor or an original joint inventor of a claimed invention in the application.  ID, WHEREAS,  Complete Address  2 Boulevard Du General Meetial Valin 75015 Paris France  Complete Address  ASRAN AIRCRAFT ENGINES  2 Boulevard Du General Meetial Valin 75015 Paris France  Teinafter referred to as the Assignee(s)) Is/are decirous of securing the entire right, title, and interest in and to this invention in all countries throughout t id, and in and to the aforementation adaptications;  NOW THEREORE, be it known that for and in consideration of One EURO (£1,00) and their good and valued consideration, the receipt a sciency of which from the Assignee(s) is hereby acknowledged, by these presents, i, the Assignor, have sold, assigned, transferred, and set over, and do here assign, transfer and set over, and the Assignee, it will be a subject to the Assignee(s). The Assignor, that is a man and set over, and do here in the Assignee(s) and all the Assignee(s), its/their lawfur successors and assigns, my entire right, title, and interest in and to this invention and the Returns, and all divisions, and continuations thereof, and all letters Patent that may be granted thereon, and all refissues thereof, and all rights to cludy on these of such applications, and all segments to texters Patent that may be granted thereon, and all refissues thereof, and all rights to cludy on these of such applications, and all segments to texters patent that may be granted thereon, and all refissues thereof, and all rights to cludy on these of such applications, and all segments to texters patent that may be granted thereon, and all refissues thereof, and all rights to cludy on these of such applications, and all segments to texters patent that may be granted thereon, and all refissues thereof and interest and all refissions thereof and divisions, and continuation reforms to refissions to texters patent that		for Letters Patent has be				
e above-identified application(s) was/were made or authorized to be made by me elieve that I am the original inventor or an original joint inventor of a claimed silvention in the application.  ID. WHEREAS.  Complete Address  2 Boulevard Du General Martial Valin 75015 Parts France  Complete Address  2 Boulevard Du General Martial Valin 75015 Parts France  Principle of the Assignment of the Assignment of the Assignment of the Invention and the Letters Patent to the 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 assign, transfer and set over unto the Assignments, its principle of which from the Assignmentel is hereby asknowledged, by these presents, it has Assignon, there sold, assigned, transferred, and set letters Patent to the Issued upon these applications;  Kalency of which from the Assignmentel is hereby asknowledged, by these presents, it has Assignon, there sold, assigned, transferred, and set over, and do here fications, and dishistons, and continuations thereof, and all textures patent that may be granted thereon, and all reissues thereof, and all textures patent that may be granted thereon, and all reissues thereof, and all textures patent that may be granted thereon, and all reissues thereof in the granted on this invention in any country, and all accurations, remaining, and results the continuations thereof and all exterts Patent that may be granted thereon, and all reissues thereof, and all interests the field of this invention, country, and all externs Patent that may be granted thereon, and all reissues thereof, and all interests the field of this invention or procured, and all recommendations for Letters Patent that may be granted thereon, and all relaters Patent for this invention in any country, and all recommendations for letters Patent that may be granted thereon, and all relaters Patent for this invention in any country and all externs only the form that it will be the interes			***************************************			
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