PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT7547215

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
AURÉLIEN GAILLARD	03/22/2021
CLÉMENT EMILE ANDRÉ CAZIN	03/22/2021
CLÉMENT JARROSSAY	03/22/2021
PASCAL CÉDRIC TABARIN	03/22/2021
NICOLAS PAUL TABLEAU	03/22/2021

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:	17912664

CORRESPONDENCE DATA

Fax Number: (703)205-8050

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: 7032058000

Email: tuyen.y.ly@bskb.com, mailroom@bskb.com
Correspondent Name: BIRCH STEWART KOLASCH & BIRCH LLP
Address Line 1: 8110 GATEHOUSE ROAD, SUITE 100E

Address Line 4: FALLS CHURCH, VIRGINIA 22042

ATTORNEY DOCKET NUMBER:	3493-0867PUS1
NAME OF SUBMITTER:	TUYEN LY
SIGNATURE:	/tuyen ly/
DATE SIGNED:	09/19/2022

Total Attachments: 5

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PATENT REEL: 061149 FRAME: 0612

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Attorney Docket No: 3493-0867PUS1

Application No: 17/912,664
Filed on 09/19/2022

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

inventor Name	Complete Address			
GAILLARD, Aurélien		SAFRAN , c/o Centre d'Excellence Proprièté Intellectuelle, Rond-point René Ravaud-Réau 77550 MOISSY-CRAMAYEL, France		
(Hereinalter referred to as the Assignor)	have made an invention entitled:			
Title of Invention (in English)	***************************************			
Title of Invention (in French)	•••••			
<u> </u>	***************************************			
for which an application for Letters Pater		•••••••••••••••••••••••••••••••••••••••		
Country	Filing Date	Serial Number		
France	03/20/2020	2002745		
The above-identified application(s) was/	were made or authorized to be made	e by ma.		
I believe that I am the original inventor o				
AND, WHEREAS,	the street of the street of the street			
Corporation Name	Complete Address			
SAFRAN AIRCRAFT ENGINES	······	al Martial Valin 75015 Paris France		

		intire right, title, and interest in and to this invention in all countries throughout this invention and the Letters Patent to be issued upon these applications;		
sufficiency of which from the Assignee(s sell, assign, transfer and set over unto th applications, and all divisions, and cont priority on these of such applications, an may be granted on this invention in any	is hereby acknowledged, by these per Assignee(s), its/their lawful successinuations thereof, and all Letters Ped all Letters Ped all Letters Ped all Letters Patent to country, and all extensions, renewose duty is to issue patents) of the U	of One EURO (£1.00) and other good and valuable consideration, the receipt and presents, I, the Assignor, have sold, assigned, transferred, and set over, and do hereby soors and assigns, my entire right, title, and interest in and to this invention and these atent that may be granted thereon, and all reissues thereof, and all rights to claim that may hereafter be filed for this invention in any country and all Letters Patent that rais, and reissues thereof; and I hereby authorize and request the Commissioners of Inited States, Canada, and any other country, to issue Letters Patent for this invention trms of this Assignment;		
AND, I HEREBY covenant that agreement in conflict with this Assignme		terest assigned by this Assignment, and I have not executed and will not execute an		
respecting this invention, testily in any li necessary or desirable to perfect the titl examination applications, make all righ enforce proper patent protection for th	egal proceedings, sign all lawful par e to this invention in said Assignee[- tful ouths and generally do everyth is invention in any country, it being	icate with the Assignee(s), its/their successors and assigns, any facts known to movers when called upon to do so, execute and deliver any and all papers that may be still their successors or assigns, execute all divisional, continuation, reissue, and rething possible to aid the Assignee(s), its/their successors and assigns, to obtain and understood that, irrespective of whether I am in the employ of the Assignee(s) as 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	e mentioned above.		
		made in this declaration is punishable under 18 U.S.C. 1001 by fine or imprisonmen		
of not more than five (5) years, or both.	who may and manon make zenenimme	make in this declaration is pullishable under 18 0.5.C. 1001 by tine of imprisonmen		

IN TESTIMONY WHEREOF, THAVE SIGNED:

Date	Place	Inventor Name & Signature	Witness Name & Signature
Marey 122, 19	Fars Di	GAILLARD, Aurélien	TABBILITY BOOM

Application No: 17/912,664 Filed on 09/19/2022

C2 - Restricted ker. 6-029230

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			
CAZIN, Clément Emile An	dré.	SAFRAN , c/o Centre d'Excellence Propriété Intellectuelle, Rond-point René Ravaud-Réau 77550 MOISSY-CRAMAYEL, France			
(Hereinafter referred to as	the Assignor) have made	an invention entitled:			
Title of invention (in Engli	sh)				,,
Title of invention (in French	;h}				
for which an application for	Leffers Patent has been	filed in the following country:			
Country		Filing Date	Serial Number		
France		03/20/2020	2002745		****
					••••
The above-identified applic	ation(s) was/were made	or authorized to be made by me.			••••
I believe that I am the origin	ial inventor or an original	joint inventor of a claimed inver	ntion in the application		
AND, WHEREAS,					
Carporation Name		Complete Address			
SAFRAN AIRCRAFT ENGIN	ES	2 Boulevard Du General Martis	al Valin 75015 Paris Fra	ence	
					••••
			*************************		****
/Bereinafter referred to as	the Assignments)) is/are d	ecircus of securine the entire de	the fitte and interest i	n and to this invention in all countries throughout	
				rtent to be issued upon these applications;	,
				er good and valuable consideration, the receipt	
				old, assigned, transferred, and set over, and do her ht, title, and interest in and to this invention and th	
				preon, and all reissues thereof, and all rights to c	
				this invention in any country and all Letters Patent. I hereby authorize and request the Commissioner	
Patents (or other appropria	te official whose duty is t		ates, Canada, and any o	other country, to issue Letters Patent for this inven	
AND, I HEREBY o agreement in conflict with t		ull right to convey the interest a	ssigned by this Assignm	nent, and I have not executed and will not execute	sny
				their successors and assigns, any facts known to	
				o, execute and deliver any and all papers that ma- rs, execute all divisional, continuation, reissue, and	
				ice[s], its/their successors and assigns, to obtain	
				of whether I am in the employ of the Assignee(s) its/their successors,	
This Assignment	agreement is effective as	of the earliest filing date mentic	oned above.		
AND, I/WE HERE of not more than five (5) ye		willful false statement made in	this declaration is pun	nishable under 18 U.S.C. 1001 by fine or imprisonm	iéu
IN TESTIMONY WHEREOF, I				,	
Onte	Place	Inventor Name & Signature		Witness Nome & Signature	<u>,</u>
161 A 122 Pd 2021	Villarodie	CAZIN, Clément Emile André	,	DARROSSAY, Clement	and the second
1 mar 1992 2054		The state of the s		7 /	
		arthur y		/ (AP) /	

Application No: 17/912,664 Filed on 09/19/2022 C2 - Restocted %c.8-828288

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 inventor Name	,	Complete Address			
JABROSSAY, Clément		SAFRAN , c/o Centre d'Excellence Propriété Intellectuelle, Rond-point René Ravaud-Réau 77550 MOISSY-CRAMAYEL, France			
(Hereinafter referred to as i	he Assignor) have made	an invention entitled:			
Title of invention (in Engli			*************************		
Title of Invention (in Frenc	ch)				
for which an application for	Letters Patent has been	filed in the following country:			
Country		Filing Date	Serial Number		
France		03/20/2020	2002745		
The above-identified application	ation(s) was/were made o	or authorized to be made by me			
I believe that I am the origin	nal inventor or an original	joint inventor of a claimed inve	ntion in the application	n.	
AND, WHEREAS.	•••••	·····	******************************		
Corporation Name		Complete Address			
SAFRAN AIRCRAFT ENGIN	ES .	2 Boulevard Do General Marti	al Valin 75015 Paris Fr	auce	
	******************************	***************************************			
(Hereinafter referred to as	the Assignee(s)) is/are di	estrous of securing the entire ri	ght, title, and interest	in and to this invention in all countries througho atent to be issued upon these applications;	ut th
NOW THEREFOR sufficiency of which from the sell, assign, transfer and ser applications, and all division priority on these of such appropria may be granted on this investents (or other appropria	if, he it known that for le Assignee[s] is hereby a lover unto the Assignee[los, and continuations the plications, and all applica ention in any country, ar te official whose duty is t	and in consideration of One cknowledged, by these presents sl, sta/their lawful successors an ereof, and all Letters Patent that mand all extensions, renewals, and all extensions, renewals, and	EURO (£1.00) and off , I, the Assignor, have a d assigns, my entire rig lat may be granted th y hereafter be filed for I reissues thereof; and sates, Canada, and any	ier good and valuable consideration, the receipted, and set over, and do hight, title, and interest in and to this invention and ereon, and all reissues thereof, and all rights to this invention in any country and all Letters Pater I hereby authorize and request the Commission other country, to issue Letters Patent for this inventioning the country, to issue Letters Patent for this inventioning the country, to issue Letters Patent for this invention in the country, to issue Letters Patent for this invention in the country, to issue Letters Patent for this invention in the country, to issue Letters Patent for this invention in the country, to issue Letters Patent for this invention in the country, to issue Letters Patent for this invention in the country is the country in the country is the country in the country in the country is the country in the country in the country in the country is the country in the	nereb I thes o clair nt tha ners o
AND, I HEREBY o agreement in conflict with I		ill right to convey the interest a	ssigned by this Assignr	nent, and I have not executed and will not execu	te an
respecting this invention, to necessary or desirable to po examination applications, re enforce proper patent prot	estify in any legal procee effect the title to this inv make all rightful oaths a ection for this invention	dings, sign all lawful papers wh ention in said Assignee(s), its/th nd generally do everything por in any country, it being under	en called upon to do s leir successors or assig sible to aid the Assign stood that, irrespective	/their successors and assigns, any facts known to, execute and deliver any and all papers that in its, execute all divisional, continuation, reissue, a nee(s), its/their successors and assigns, to obtain of whether I am in the employ of the Assignee(II) be borne by the Assignee(s), its/their successors.	nay bi ind re in and e[s] o
This Assignment	agreement is effective as	of the earliest filing date menti-	oned above.		
AND, I/WE HERE of not more than five (5) ye		willful talse statement made in	this declaration is pur	nishable under 18 U.S.C. 1001 by fine or imprisor	amen
IN TESTIMONY WHEREOF, I	HAVE SIGNED:				
Date	Place	Inventor Name & Signature		Witness Name & Signature	
16714/22 Nd 2021	Wardn	JARROSSAY, Clément	Marine	CAZIA Clement trulo frotos	

Attorney Docket No: 3493-0867PUS1

Application No: 17/912,664 Filed on 09/19/2022

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 inventor Nome		Complete Address		
TABARIN, Pascal Cédric				selle, Rond-point René Ravaud-Réau
(Hereinafter referred to as	the Assignor) have made a	an invention entitled:		
Title of invention (in Engl	***************************************			
Title of Invention (in Fren		••••••		
ļ				
for which an application for Country		iled in the following country:	Suelal Alumbar	
,		Filing Date	Serial Number	
France		03/20/2020	2002745	
The above-identified applic	ation(s) was/were made o	or authorized to be made by me.		
I believe that I am the origin	nal inventor or an original	joint inventor of a claimed inventic	n in the application	
AND, WHEREAS,				
Corporation Name		Complete Address		
SAFRAN AIRCRAFT ENGIN	HE5	Z Boulevard Du General Martial V	alin 75015 Paris Fro	ance
		•••••••••••••••••••••••••••••••••••••••		
01				
				n and to this invention in all countries throughout the etent to be issued upon these applications;
				er good and valuable consideration, the receipt an
sufficiency of which from th	ie Assignee[s] is hereby ac	knowledged, by these presents, i,	he Assignor, have s	old, assigned, transferred, and set over, and do hereb
				ht, title, and interest in and to this invention and theseron, and all reissues thereof, and all rights to claim
				this invention in any country and all Letters Patent thi
				I hereby authorize and request the Commissioners of other country, to issue Letters Patent for this invention
		accordance with the terms of this		doner country, to issue receirs rateris for this inventor
AND, I HEREBY C	ovenant that I have the fu	ill right to convey the interest assig	ned by this Assignn	nent, and I have not executed and will not execute an
agreement in conflict with t	his Assignment;			
				their successors and assigns, any facts known to m
respecting this invention, to necessary or desirable to o	estify in any legal process erfect the title to this inve	tings, sign all lawful papers when o ention in said Assignabls lits/their	called upon to do s successors or assist	o, execute and deliver any and all papers that may bus, execute all divisional, continuation, reissue, and re
examination applications, i	make all rightful oaths ar	id generally do everything possibl	e to aid the Assign	ree(s), its/their successors and assigns, to obtain an
enforce proper patent prof its/their affiliates, and expe	tection for this invention assignificant to the perfor-	in any country, it being understoomance of the ese	d that, irrespective	of whether I am in the employ of the Assignee(s) of the Assignee(s) of the Assignee(s), its/their successors, an
assigns.	ma mindere to the perior	manua or the wongations or the pre	acti binostosta cina	it det drawe ny twe sometometot unstatient zaerezonost at
This Assignment	agreement is effective as	of the earliest filing date mentione	d above.	
AND, I/WE HERE	BY acknowledge that any	willful false statement made in thi	s declaration is pur	nishable under 18 U.S.C. 1001 by fine or imprisonmen
of not more than five (5) ye			· · · · · · · · · · · · · · · · · · ·	, , , , , , , , , , , , , , , , , , , ,
IN TESTIMONY WHEREOF, I	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	·		
Date	Place	inventor Name & Signature	***************************************	Witness Name & Signature
Mondy 22" 2021	of Od and Od	TABABIN, Pascal Cédric		ANCARD, Audher
LINGS166 5097	Madismismae			Q.Q.
				All and a second

Application No: 17/912,664 Filed on 09/19/2022

C2 - Restricted 866 8-023230

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

inventor Name		Complete Address		
TABLEAU, Nicolas Paul		SAFRAN , c/o Centre d'Excellence Propriété Intellectuelle, Rond-point René Ravaud-Réau 77550 MOISSY-CRAMAYEL, France		
(Hereinafter referred to as	the Assignori have made	an invention entitled:		
Title of Invention (in Engli				

Title of Invention (in Fren	ch)			
for which an application for	Letters Patent has been	filed in the following country:		
Country	~~~~~	Filing Date	Serial Number	
France		03/20/2020	2002745	

The above-identified applic	ation(s) was/were made	or authorized to be made by me	•	
I believe that I am the origin	nal inventor or an original	joint inventor of a claimed inve	ntion in the application	n,
AND, WHEREAS,				
Corporation Name		Complete Address		
SAFRAN AIRCRAFT ENGIN	ES	2 Boulevard Du General Marti	al Valin 75015 Paris, Fr	ance
<u></u>				
	•••••			
	***************************************	***************************************		
(Harainafter rafarrad to ac	the Accionacieii ic/ara d	science of convent the eaten vie	the title and leteract	in and to this invention in all countries throughout th
				atent to be issued upon these applications;
				her good and valuable consideration, the receipt an
				sold, assigned, transferred, and set over, and do hereb
sell, assign, transfer and set	over unto the Assignee(i), its/their lawful successors an	d assigns, my entire rig	tht, title, and interest in and to this invention and thes
applications, and all division	ns, and continuations th nications, and all applica	ereor, and all Letters Patent th	at may be granted the	ereon, and all reissues thereof, and all rights to clair this invention in any country and all Letters Patent tha
may be granted on this inv	ention in any country, as	nd all extensions, renewals, and	I reissues thereof; and	I hereby authorize and request the Commissioners of
				other country, to issue Letters Patent for this invention
to the Assignee(s), its/their	successors and assigns, it	accordance with the terms of t	his Assignment,	
AND, I HEREBY c agreement in conflict with t		all right to convey the interest a	ssigned by this Assignr	ment, and I have not executed and will not execute an
AND, I HEREBY	further covenant and ag	ree that I will communicate wi	th the Assignee[s], its,	/their successors and assigns, any facts known to m
respecting this invention, to	estify in any legal process	dings, sign all lawful papers wh	en called upon to do s	so, execute and deliver any and all papers that may b
necessary or desirable to pre- examination applications, r	errect the title to this inv nake all rightful paths a	ention in said Assignee(s), its/th nd eenecally do everythine nos	gizze to atomics of assignation	ns, execute all divisional, continuation, reissue, and re nee[s], its/their successors and assigns, to obtain an
enforce proper patent prot	ection for this invention	in any country, it being unders	stood that, irrespective	e of whether I am in the employ of the Assignee(s) o
	nse incident to the perfor	mance of the obligations of the	present paragraph sha	all be borne by the Assignee(s), its/their successors, and
assigns.				
This Assignment	agreement is effective as	of the earliest filing date mention	oned above.	
AND, I/WE HERE	BY acknowledge that any	willful false statement made in	this declaration is pur	nishable under 18 U.S.C. 1901 by fine or imprisonmen
of not more than five (S) ye	·			
IN TESTIMONY WHEREOF, I	HAVE SIGNED:	inventor Nama & Planter		Miles are Arama & Cimate
		inventor Name & Signature		Witness Name & Signature
Much, 22" 2021	Villawelle	TABLEAU, Nicolas Paul	Mh J	ancesta, shake my francis
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			1V	

PATENT REEL: 061149 FRAME: 0618

RECORDED: 09/20/2022