### PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT8200122

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

### **CONVEYING PARTY DATA**

Name	Execution Date
VINCENT JOUDON	05/20/2022
CLÉMENT COTTET	05/20/2022
VIVIEN MICKAËL COURTIER	05/20/2022
RÉGIS EUGÈNE HENRI SERVANT	05/20/2022

### 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:	18285122

### **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 BIRCH STEWART KOLASCH & BIRCH LLP **Correspondent Name:** Address Line 1: 8110 GATEHOUSE ROAD, SUITE 100E Address Line 4: FALLS CHURCH, VIRGINIA 22042

ATTORNEY DOCKET NUMBER: 3493-0920PUS1 NAME OF SUBMITTER: **TUYEN LY** SIGNATURE: /tuyen ly/ **DATE SIGNED:** 09/30/2023

### **Total Attachments: 4**

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Attorney Docket No: 3493-0920PUS1

. C2 - Restricted Ref. 8-024421

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

înventor Name		that, I  Complete Address			
JOUDON, Vincent		SAFRAN, c/o Centre d'Excellence Propriété Intellectuelle, Rond-point René Ravaud-Réau 77550 MOISSY-CRAMAYEL, France			
Hereinafter referred to a	s the Assignor) have made	an invention entitled:	••••••		
Title of Invention (in En	glish)				
VANE COMPRISIN	G A STRUCTURE MA	DE OF COMPOSITE MA	ATERIAL, AND ASSO	CIATED MANUFACTURING METHOD	
Title of Invention (in Fre	nch)				
for which an application f	or Letters Patent has been	filed in the following country	γ.		
Country		Filing Date	Serial Number		
France		03/30/2021	2103278		
Patent Cooperation Tre	aty	03/24/2022	PCT/FR2022/0505	49	
the above the street	taneta afal uma human muda	an angle a sing at the bar and a bar.			
ine above-identines appi	ication(s) was/were made	or authorized to be made by	me.		
i believe that I am the orig	ginal inventor or an origina	il joint inventor of a claimed i	nvention in the application	i.	
AND, WHEREAS,		·			
Corporation Name		Complete Address			
SAFRAN AIRCRAFT ENG	B463	2 Boulevard Du General M	amsi vain 75015 Pans Fr	8TICE	
:					
:					
Hereinafter referred to a	is the Assignee[s]) is/are d	lesirous of securing the entire	e right, title, and interest i	n and to this invention in all countries throughout the	
				itent to be issued upon these applications;	
NOW THEREFO	ORE, be it known that fo	r and in consideration of O	ne EURO (€1.00) and oth	er good and valuable consideration, the receipt and	
			_	old, assigned, transferred, and set over, and do hereby	
				ht, title, and interest in and to this invention and these ereon, and all reissues thereof, and all rights to clain	
				this invention in any country and all Letters Patent tha	
•			·	I hereby authorize and request the Commissioners o	
	•	to issue patents) of the Unite n accordance with the terms	·	other country, to issue Letters Patent for this invention	
	-		-		
AND, I HEKEBY agreement in conflict with		full right to convey the intere	st assigned by this Assignn	nent, and I have not executed and will not execute an	
AND, I HEREB	further covenant and ag	ree that I will communicate	with the Assignee[s], its/	their successors and assigns, any facts known to me	
	, ,	· · · · · · · · · · · · · · · · · · ·	•	o, execute and deliver any and all papers that may be	
•			-	ns, execute all divisional, continuation, reissue, and re nee[s], its/their successors and assigns, to obtain and	
	•			of whether I am in the employ of the Assignee[s] o	
its/their affiliates, any exp				Il be borne by the Assignee[s], its/their successors, and	
assigns.					
This Assignmen	nt agreement is effective a	s of the earliest filing date me	entioned above.		
AND, I/WE HE of not more than five (5)	•	y willful false statement mad	le in this declaration is pur	rishable under 18 U.S.C. 1001 by fine or imprisonmen	
N TESTIMONY WHEREOF  Date	, I MAVE SIGNED:	inventor Name & Signatur	····	Witness Name & Signature	
<u>,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,</u>		JOUDON, Vincent	ALVAN		
05/20/2022	Villanode	according emocine	see a se	ALLIX, Vincent Jean Falien	

Attorney Docket No: 3493-0920PUS1

C2 - Restricted

Ref. B-024421

## 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	
	inventar Name	Complete Address
	COTTET, Clément	SAFRAN , c/o Centre d'Excellence Propriété 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)

VANE COMPRISING A STRUCTURE MADE OF COMPOSITE MATERIAL, AND ASSOCIATED MANUFACTURING METHOD

Title of Invention (in French)

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

Country Filing Date Serial Number

France 03/30/2021 2103278

PCT/FR2022/050549

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.

03/24/2022

#### AND, WHEREAS

Patent Cooperation Treaty

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, it, the Assignor, have sold, 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 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 filled 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 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
05/20/2022	Villarothe	COTTET, Clément	DESOMBRE, Didler Cabual Bodane

Attorney Docket No: 3493-0920PUS1 C2 - Restricted Ref. B-024421

Application No: 18/285,122 Filed on 09/29/2023

# 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				
COURTIER, Vivien Mickaë	I	SAFRAN, c/o Centre d'Excellence Propriété Intellectuelle, Rond-point René Ravaud-Réau 77SSO MOISSY-CRAMAYEL, France				
(Hereinafter referred to as t		an invention entitled:			····	
		ADE OF COMPOSITE N	ATERIAL, AND AS	SOCIATED MANUF	ACTURING M	ETHOD
Title of Invention (in Frenc			······································		***************************************	
					•••••	
for which an application for	Letters Patent has been	filed in the following country	y:			
Country		Filing Dote	Serial Number			
France		03/30/2021	2103278			
Patent Cooperation Treat	У	03/24/2022	PCT/FR2022/0	50549		
The above-identified application	ation(s) was/were made	or authorized to be made by	me.			
believe that I am the origin	al inventor or an origina	l joint inventor of a claimed	invention in the applicat	ion.		
AND, WHEREAS,					******	
Corporation Name		Complete Address			***************************************	
SAFRAN AIRCRAFT ENGIN	ES	2 Boulevard Du General M	lartial Valin 75015 Paris	France		
						***************************************
						• • • • • • • • • • • • • • • • • • • •
	c		2.14 414 3 2.4	-6.5		
	• • • • •	lesirous of securing the entir ns for Letters Patent on this i				
		r and in consideration of O acknowledged, by these pres	• •	-		
		[s], its/their lawful successor				
		hereof, and all Letters Paten ations for Letters Patent that				
may be granted on this inv	ention in any country, a	ind all extensions, renewals,	and reissues thereof; a	nd I hereby authorize a	nd request the C	Commissioners o
		to issue patents) of the Unite in accordance with the terms		ny other country, to issu	e Letters Patent	for this inventio
AND, I HEREBY o	ovenant that I have the	full right to convey the intere		gnment, and I have not s	executed and will	not execute an
agreement in conflict with t	•					
•		gree that I will communicate edings, sign all lawful papers		•		
necessary or desirable to po	erfect the title to this inv	vention in sald Assignee[s], It	s/their successors or as	signs, execute all division	ral, continuation	, reissue, and re
		and generally do everything In in any country, it being un				
its/their affiliates, any expe		rmance of the obligations of	· · · · · · · · · · · · · · · · · · ·			
assigns.		5.				
u u		s of the earliest filing date me				
AND, I/WE HERE of not more than five (5) ye		y willful false statement mac	de in this declaration is	punishable under 18 U.S	.C. 1001 by fine	or imprisonmen
IN TESTIMONY WHEREOF, I	HAVE SIGNED:					
Date	Place	inventor Name & Signatu	re	Witness Name & Sid	anature	
**************************************	·					
05/20/2022	Villarocke	COURTIER, Vivien Mickaë	l soine	POSTEC,		Please

Attorney Docket No: 3493-0920PUS1 C2 - Restricted Ref. 8-024421

Application No: 18/285,122
Filed on 09/29/2023

**RECORDED: 10/02/2023** 

# 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,		errent records and the contract of the contrac	spires en e	action assert a free and another
inventor Name	recess seriors comp	Complete Address	•••••	
SERVANT, Régis Eugène H	enri	SAFRAN , c/o Centre d'Excellence Propriété Intellectuelle, Rond-point René Ravaud-Réau 77550 MOISSY-CRAMAYEL, France		
(Hereinafter referred to as t	he Assignor) have made a	n invention entitled:		
Title of Invention (in Englis	th)			
VANE COMPRISING	A STRUCTURE MAD	E OF COMPOSITE MATER	RIAL, AND ASSOC	CIATED MANUFACTURING METHOD
Titie of invention (in Frenc	h)			
for which an application for		iled in the following country:	.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	
Country		Filing Date	Serial Number	
France	(	03/30/2021	2103278	
Patent Cooperation Treat	,	93/24/2022	PCT/FR2022/0505	49
The above-identified applica	ition(s) was/were made o	r authorized to be made by me.		
believe that I am the origin	al inventor or an original	joint inventor of a claimed invent	ion in the application	ı.
AND, WHEREAS,				
Corporation Name		Complete Address		
SAFRAN AIRCRAFT ENGIN	ES	2 Boulevard Du General Martial	Valin 75015 Paris Fra	ance
:				
:				
:				
:				
	•			n and to this invention in all countries throughout th itent to be issued upon these applications;
sufficiency of which from the sell, assign, transfer and set applications, and all division priority on these of such app may be granted on this invi Patents (or other approprial	e Assignee(s) is hereby ac over unto the Assignee(s is, and continuations the plications, and all applicat ention in any country, an e official whose duty is to	knowledged, by these presents, I, I, its/their lawful successors and a treof, and all Letters Patent that lons for Letters Patent that may h d all extensions, renewals, and n	, the Assignor, have s assigns, my entire rig may be granted the rereafter be filed for t eissues thereof; and es, Canada, and any o	er good and valuable consideration, the receipt an old, assigned, transferred, and set over, and do hereb ht, title, and interest in and to this invention and thes creon, and all reissues thereof, and all rights to clair this invention in any country and all Letters Patent tha I hereby authorize and request the Commissioners of other country, to issue Letters Patent for this invention
AND, I HEREBY co agreement in conflict with the		If right to convey the interest ass	igned by this Assignn	nent, and I have not executed and will not execute an
respecting this invention, te necessary or desirable to pe examination applications, ri enforce proper patent prot	stify in any legal proceed rlect the title to this inve- nake all rightful oaths an ection for this invention i	lings, sign all lawful papers when ntion in said Assignee[s], its/thei d generally do everything possil is any country, it being understo	called upon to do so r successors or assign ble to aid the Assign and that, irrespective	their successors and assigns, any facts known to mo, execute and deliver any and all papers that may bus, execute all divisional, continuation, reissue, and relegis), its/their successors and assigns, to obtain any of whether I am in the employ of the Assignee(s) of the borne by the Assignee(s), its/their successors, and
This Assignment	agreement is effective as	of the earliest filing date mention	ed above.	
AND, I/WE HEREI of not more than five (5) yea		willful false statement made in t	his declaration is pun	sishable under 18 U.S.C. 1001 by fine or imprisonmen
IN TESTIMONY WHEREOF, I	•			
Date	Place	inventor Nome & Signature		Witness Name & Signature
05/00/0055	Villaroche	SERVANT, Régis Eugène Henri		cipifour, libion Stephan Aurolien
05/20/2022	ALLINOS OLONGO	135000	-7	