504622573 11/01/2017

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2

EPAS ID: PAT4669291

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
MATTHIEU GIMAT	05/29/2017
FRANÇOIS CHARLEUX	02/23/2017
SÉBASTIEN MARIN	05/29/2017
GWENAEL MARION	03/10/2017

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:	15506993

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

PILLSBURY WINTHROP SHAW PITTMAN, LLP **Correspondent Name:**

Address Line 1: PO BOX 10500

Address Line 4: MCLEAN, VIRGINIA 22102

ATTORNEY DOCKET NUMBER:	012350-0451470
NAME OF SUBMITTER:	MARGARET BARHAM
SIGNATURE:	/Margaret Barham/
DATE SIGNED:	11/01/2017

Total Attachments: 4

source=012350-0451470 Declaration Assignment#page1.tif source=012350-0451470 Declaration Assignment#page2.tif source=012350-0451470 Declaration Assignment#page3.tif

source=012350-0451470_Declaration_Assignment#page4.tif

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

inventor Name	Complete Address
GIMAT, Matthieu	42 rue Brémantier 33700 MERIGNAC FRANCE

(Hereinafter referred to as the Assignor) have made an invention entitled:

Title of Inv	Invention (in English)	
3	DE VANE MADE FROM COMPOSITE MATERIAL, COMPRISING STAGGERED ATTACHMENT	
}	NGES FOR A GAS TURBINE ENGINE.	
Title of Inv	Invention (in French)	

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

Country	Filing Date	Serial Number
UNITED STATES OF AMERICA	AUG-26-2014	62/042056
₩0	AUG-18-2015	PCT/FRZ015/032219

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	SAFRAN AMERAFT ENGINES 2 Boolevard do Général Martiel Velio 78015 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 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 Assignment; its/their successors and assigns, in accordance with the terms of this Assignment;

AND, I MEREBY 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 paths and generally do everything possible to aid the Assignee(s), its/their successors and assigns, to obtain and enlonce 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/VVE 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.

Oate	Place	Inventor Name & Signature	Witness Name & Signature
May 29, 2017	U Hailan	SIMAY, Matchieu	TESSON, Theory Cuy Xovier

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

Inventor Name	Complete Address
CHARLEUX, François	4 impasse Fenouil 33000 BORDEAUX FRANCE

(Hereinafter referred to as the Assignor) have made an invention entitled:

itle of Invention (in English) GUIDE VANE MADE FROM CO	MPOSITE MATERIAL, COMPRISING STAGGERED ATTACHMENT
FLANGES FOR A GAS TURBI	·
tle of Invention (in French)	

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

	Country	Filing Date	Serial Number
***************************************	UNITED STATES OF AMERICA	AUG-26-2014	62/042056
	wo	AUG-18-2015	PCT/FR2015/052219

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	SAFRAN AIRCRAFT ENGINES 2 Boulevard du Général 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 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 reissues thereof, and all reissues thereof, and all 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 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	Piace	Inventor Name & Signature	Witness Name & Signature
February 83,	Bordean - France	CHARLEUX, François	coussy, Ence

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

Investor Name	Complete Address
MABIN, Schasten	616 Portund Street - Unit 29 - Rochester, NH G3867 UNITED STATES OF AMERICA

(Hereinafter referred to as the Assignor) have made an invention entitled:

Title of lovention (in English)		
GUIDE VANE MADE FROM COMPOSITE MATERIAL, COMPRISING STAGGER	ED ATTACHMENT	ı
FLANGES FOR A GAS TURBINE ENGINE.		
Title of invention (in French)		

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

Country	Filing Date	Serial Number
UNITED STATES OF AMERICA	ADS-78-7014	62/042054
900	AUS-18-2015	PCT/FR3015/052219

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

I believe that I sm the original inventor or an original joint inventor of a claimed invention in the application.

AND, WHEREAS,

Carparation Name	Complete Address
SAFRAN AIRCRAFT ENGINES	SAFRAN BIRCRAFT ENGINES 2 Boulevard du Général Martial Valm 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 (CLOD) 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 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 be granted 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 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 coverant 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 caths 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) for 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 purishable under 18 U.S.C. 1001 by fine or imprisonment of not more than five (S) years, or both.

IN TESTIMONY WHEREOF, I HAVE SIGNED:

Date	Place	inventor Name & Signature	Witness Name & Signature
May 29, 2017	BOOKEN CARESTER		CANHAGIA, RANG, DAVIS

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

Inventor Name	Complete Address
MARION, Gwenael	59 rue Leteilier 75015 PARIS FRANCE

(Hereinafter referred to as the Assignor) have made an invention entitled.

Title of Invention (in English)	
GUIDE VANE MADE FROM COMPOSITE MATERIAL, COMPRISING STAGGERED ATTACHMENT	1
FLANGES FOR A GAS TURBINE ENGINE.	
Title of Invention (in French)	
t	

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

Country	rung vice	Serial Number
UNITED STATES OF AMERICA	AUG-26-2014	62/042056
WG	AUG-18-2015	PCT/FR2035/032219

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	SAFRAN BIRCRAFT ENGINES 2 Boulevard du Général Martial Valin 75015 PARIS FRANCE	

(Heremafter referred to as the Assignee(st) 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 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 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 coverient 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, if 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 MEREBY 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	Witneus Name & Signature	
	·	MARION, Gwenael	LANDROME DICK	
MARCH 10, 2017	Le Haillan	June C		
				~~~~

PATENT REEL: 044009 FRAME: 0806

**RECORDED: 11/01/2017**