

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT6163157

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
MICHEL GILBERT ROLAND BRAULT	05/25/2020
ROMAIN GUILLAUME CUVILLIER	05/25/2020
JULIEN FABIEN PATRICK BECOULET	05/25/2020
ARNAUD NICOLAS NEGRI	05/25/2020
RECEIVING PARTY DATA	
Name:	SAFRAN AIRCRAFT ENGINES
Street Address:	2 BOULEVARD DU GENERAL MARTIAL VALIN
City:	PARIS
State/Country:	FRANCE
Postal Code:	75015
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	16956407
CORRESPONDENCE DATA	
Fax Number:	(404)888-7484
<i>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.</i>	
Phone:	404-872-7000
Email:	IPDocketing@wbd-us.com, nedy.calderon@wbd-us.com
Correspondent Name:	WOMBLE BOND DICKINSON (US) LLP
Address Line 1:	ATTN: IP DOCKETING
Address Line 2:	P.O. BOX 7037
Address Line 4:	ATLANTA, GEORGIA 30357-0037
ATTORNEY DOCKET NUMBER:	104790.P091
NAME OF SUBMITTER:	ERIC S HYMAN
SIGNATURE:	/eric s hyman/
DATE SIGNED:	06/19/2020
This document serves as an Oath/Declaration (37 CFR 1.63).	
Total Attachments: 4	

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PATENT

REEL: 052993 FRAME: 0453

**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
CUVILLIER, Romain Guillaume	c/o Safran Aircraft Engines FI (All), rond-Point René Ravaud -- Réau 77550 MOISSY-CRAMAYEL FRANCE

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

Title of Invention (in English)
Dynamic sealing between two rotors of an aircraft turbomachine
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	12/22/2017	1768040

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 Vain 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 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 it 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;

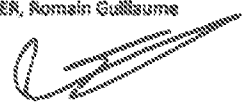
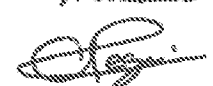
AND, I HEREBY covenant that I have the full right to convey the interest assigned by this Assignment, and I have not executed and will not execute any agreement in conflict with this Assignment;

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
5/25/2020	Réau	CUVILLIER, Romain Guillaume 	NEGRÉ, Arnaud Nicolas 

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
BRAULT, Michel Gilbert Roland	c/o Safran Aircraft Engines P1 (AII), rond-Point René Ravaud -- Réau 77550 MOISSY-CRAMAYEL FRANCE

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

Title of Invention (in English)
Dynamic sealing between two rotors of an aircraft turbomachine
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	12/22/2017	1763045

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 Vallin 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 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 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.

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IN TESTIMONY WHEREOF, I HAVE SIGNED:

Date	Place	Inventor Name & Signature	Witness Name & Signature
5/25/2020	REAU	BRAULT, Michel Gilbert Roland 	NEGRi, Arnaud Nicolas 

**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
NEGRI, Arnaud Nicolas	c/o Safran Aircraft Engines Pi (AII), rond-Point René Savatier - Réau 77550 MOUSSY-CRAMAYEL FRANCE

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

Title of Invention (in English)
Dynamic sealing between two rotors of an aircraft turbomachine
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	12/22/2017	1753040

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
SAPRAN 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 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 or 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;

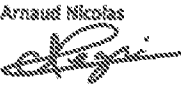
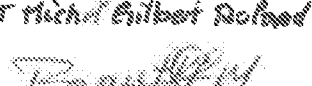
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AND, I HEREBY further covenant and agree that I will communicate with the Assignee[s], its/their successors and assigns, any facts known to me respecting this invention, testify in any legal proceedings, sign all lawful papers when called upon to do 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.

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Date	Place	Inventor Name & Signature	Witness Name & Signature
5/25/2020	REAU	NEGRI, Arnaud Nicolas 	BRAULT Michel Gilbert Roland 

**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
BECOULET, Julien Fabien Patrick	c/o Safran Aircraft Engines FI (AII), rond-Point René Ravaud -- Réau 77550 MOISSY-CRAMAYEL FRANCE

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

Title of Invention (in English)
Dynamic sealing between two rotors of an aircraft turbomachine
Title of Invention (in French)

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Country	Filing Date	Serial Number
France	12/22/2017	1763040

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
SAPRAN 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;

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IN TESTIMONY WHEREOF, I HAVE SIGNED:

Date	Place	Inventor Name & Signature	Witness Name & Signature
5/25/2020	Reau	BECOULET, Julien Fabien Patrick 	NEGRi, Arnaud Nicolas 

PATENT

RECORDED: 06/19/2020

REEL: 052993 FRAME: 0457