PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT4327643

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
PHILIPPE CHARLES ALAIN LE BIEZ	02/20/2017
SERGE GEORGES VLADIMIR SELEZNEFF	02/20/2017

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:	15247184

CORRESPONDENCE DATA

Fax Number:

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.

Email: madams@bomcip.com

Correspondent Name: BOOKOFF MCANDREWS, PLLC Address Line 1: 2401 PENNSYLVANIA AVE NW

Address Line 2: STE 450

Address Line 4: WASHINGTON, D.C. 20037

ATTORNEY DOCKET NUMBER:	00092-0059-00000
NAME OF SUBMITTER:	RIKESH P. PATEL
SIGNATURE:	/Rikesh P. Patel/
DATE SIGNED:	03/21/2017

Total Attachments: 2

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PATENT 504280962 REEL: 041654 FRAME: 0130

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	Camplete Address
LE BIEZ, Philippe Charles Alain	3 rue Tamponnet 91210 DRAVEIL FRANCE

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

ttle of Invention (in Englis	h)	ina ili Najini.		1000 3000			
RING-SHAPED	THERMOMECHA	NICAL PAR	T FOR	TURBINE	ENGINE.		
tle of Invention (in Frenc	h)						

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

Country	Filing Date	Serial Number
FRANCE	AUG-25-2015	1557916

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,

SAFRAN AIRCRAFT ENGINES 2 Boul	
tau en la constitue a unafer a refunda da como de la como	ilevard 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 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 & Signati	ire	Witness Name & Signature
	Réau	LE BIEZ, Philippe Charles	. Alaini	SELEWERF
Feb. 20, 2017		n *	Kil	
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	inni.		1	

PATENT REEL: 041654 FRAME: 0131

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.
CFLEZNESS, Serge Georges, Vladimir	24 run Paul Vaillant Coutorier 94/700 MAISONS AUFORT FRANCE.

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

Title of Invention (in English)	
RING-SHAPED THERMOMECHANICAL PART FO	R 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
FRANCE	AUG-25-2015	1887916

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 Général Martial Valin 75013 PARIS FRANCE

(Hereinafter referred to as the Assignee[s]) is/are desirous of securing the entire right, tifle, 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 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 reafter be filled 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 Assignment; its/their successors and assigns, in accordance with the terms of this Assignment;

AND, I HEREBY coverant 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 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:

- E-	Date	Place	Inventor Name & Signature	Witness Name & Signature
	Feb. 20, 2017	Safran AE she da Gobel	SELEZNEFF, Serum Georges Visionium	2000 Landa,
٠.,	***************************************	i	<u> </u>	<u> </u>

PATENT REEL: 041654 FRAME: 0132

RECORDED: 03/21/2017