503486454 09/18/2015

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT3533079

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
MATTHIEU FRANCOIS RULLAUD	03/26/2014
DIDIER HERNANDEZ	03/03/2014
CHRISTIAN GUIN	02/27/2014

RECEIVING PARTY DATA

Name:	SNECMA	
Street Address:	2 BOULEVARD DU GENERAL MARTIAL VALIN	
City:	PARIS	
State/Country:	FRANCE	
Postal Code:	75015	
Name:	OFFICE NATIONAL D'ETUDES ET DE RECHERCHES AEROSPATIALES	
Street Address:	29, AVENUE DE LA DIVISION LECLERC	
City:	CHATILLON	
State/Country:	FRANCE	
Postal Code:	92320	

PROPERTY NUMBERS Total: 1

Property Type	Number	
Application Number:	14778412	

CORRESPONDENCE DATA

Fax Number: (703)413-2220

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.

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ATTORNEY DOCKET NUMBER:	459335US41X PCT
NAME OF SUBMITTER:	TERRY EVANS
SIGNATURE:	/TERRY EVANS/

PATENT REEL: 036602 FRAME: 0305

DATE SIGNED:	09/18/2015	
otal Attachments: 3		
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source=459335USAssignment#page2.tif		
ource=459335USAssignment#page3.tif		

PATENT REEL: 036602 FRAME: 0306

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	
RULLAUD Matthieu François	2 Place du Docteur Roux 77430 CHAMPAGNE SUR SEINE FRANCE	

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

Title of Invention (in French)		
SYSTEME D'INJECTI	ON POUR CHAMBRE DE COMBUSTION DE TURBOMACHINE COMPORTANT UNE PAROI ANNULAIRE A PROFIL INTERNE CONVERGENT	
Title of Invention	(in English)	
INJECTION	SYSTEM FOR A COMBUSTION CHAMBER OF A TURBINE ENGINE, COMPRISING	
AN ANNULA	R WALL HAVING A CONVERGENT INNER CROSS-SECTION	

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

MAR-19-2013	1252412
MARCES-2013	1352442

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
SNECMA	2 Boulevard du Général Martial Valin 75015 PARIS FRANCE
OFFICE NATIONAL D'ETUDES ET DE RECHERCHES AEROSPATIALES	29, Avenue de la Division LECLERC 9232@CHATILLON 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 successors, 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:

L	Pate	Place	Inventor Name & Signature	Witness Name & Signature
7	1ARCH 26",	VILLAROCHE	RULLAUD, Matthieu François	LEGLAYE, FRANCOIS

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	: 20
HERNANDEZ Didier	38 Rue Saint Martin 77720 QUIERS FRANCE	

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

Title of Invention (in French)	
SYSTEME D'INJECTION POUR CHAMBRE DE COMBUSTION DE TURBOMACHINE COMPOR	TANT UNE PAROI ANNULAIRE A PROFIL INTERNE CONVERGENT
Title of Invention (in English)	· · · · · · · · · · · · · · · · · · ·
INJECTION SYSTEM FOR A COMBUSTION CHAMBER	OF A TURBINE ENGINE, COMPRISING
AN ANNULAR WALL HAVING A CONVERGENT INNER	CROSS-SECTION

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

Country	Filing Date	Serial Number
FRANCE	MAR-19-2013	1352442

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		
SNECMA	1 2 Boulevard du Général Martial Valin 75015 PARIS FRANCE		
OPFICE NATIONAL D'ETUDES ET DE RECHERCHES AEROSPATIALES	29, Avenue de la Divis	sion LECLERC 92320 CHATILLON 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.

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
MARCH 3rd 2014	VILLAROCHE	HERNANDEZ, Didier	- 4	Thierry GOSTAL
				

PATENT

REEL: 036602 FRAME: 0308

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
GUIN Christian	1 chemin du bas de la plante des roches 91140 VILLEBON sur YVETTE FRANCE

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

Title of Invention (in French)	
SYSTEME D'INJECTION POUR CHAMBRE DE COMBUSTION DE TURBOMACHINE COMPORTA	ANT UNE PAROI ANNULAIRE A PROFIL INTERNE CONVERGENT
Title of Invention (in English)	
INJECTION SYSTEM FOR A COMBUSTION CHAMBER OF A TANNULAR WALL HAVING A CONVERGENT INNER CROSS-	

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

Country	Filing Date	Serial Number	
FRANCE	MAR-19-2013	1352442	

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	
SNECMA	2 Boulevard du Général Martial Valin 75015 PARIS FRANCE	
OFFICE NATIONAL D'ETUDES ET DE RECHERCHES AEROSPATIALES	. 29, Avenue de la Division LECLERC 92320 CHATILLON 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 successors, 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
Eth 2019	Palaisean	GUIN, Christian	HERVÉ LACHAUD Hervé obshoud.
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PATENT REEL: 036602 FRAME: 0309