### 504104370 11/21/2016

### PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT4151039

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

#### **CONVEYING PARTY DATA**

Name	Execution Date
CHARLOTTE MARIE DUJOL	05/26/2015
PATRICE ENEAU	05/21/2015
SEBASTIEN DIGARD BROU DE CUISSART	05/22/2015
MATTHIEU JEAN-LUC VOLLEBREGT	05/28/2015

### **RECEIVING PARTY DATA**

Name:	SNECMA
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:	15312688

#### **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.

**Phone:** (703) 413-3000

Email: afeldman@oblon.com

Correspondent Name: OBLON, ET AL.

Address Line 1: 1940 DUKE STREET

Address Line 4: ALEXANDRIA, VIRGINIA 22314

ATTORNEY DOCKET NUMBER:	476529US41PCT
NAME OF SUBMITTER:	ABIGAIL FELDMAN
SIGNATURE:	/Abigail Feldman/
DATE SIGNED:	11/21/2016

#### **Total Attachments: 4**

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PATENT 504104370 REEL: 040383 FRAME: 0594

source=476529USAssignment#page4.tif

PATENT REEL: 040383 FRAME: 0595

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

Inventor Name	Complete Address
DUJOL, Charlotte, Marie	6, Avenue Victor Hugo - Bât D 94160 SAINT MANDE FRANCE

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

Title of Invention (in French)	
,	
Title of Invention (in English)	
TURBINE BLADE WITH OPTIMISE	COOLING

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

Country	Filing Date	Serial Number
FRANCE	MAY-28-2014	1454864

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

(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.

Date	Place	Inventor Name & Signature	Witness Name & Signature
May, 26th 2015	Villarache	DUTOL Charlotte, Marie DUJOL, Charlotte, Marie	ENEAY, Petrice

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

Inventor Name	Complete Address
ENEAU, Patrice	234A - Avenue de l'Europe 77550 MOISSY CRAMAYEL FRANCE

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

				·
Title of Invention	n (in English)			
TURBINE	BLADE	WITH	OPTIMISED	COOLING

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

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SNECMA	\ 2 Boulevard du Général Martial Valin 75015 PARIS FRANCE

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Date	Place	Inventor Name & Signature	Witness Name & Signature
May, 21 th	Villewhe	ENEAU, Patrice	DUTOL, Charlette

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

ĺ	Inventor Name	Complete Address
	DIGARD BROU DE CUISSART, Sébastien	1 Cois Cladaigh, Blackrock, Co Louth   IRLANDE

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

Title of Invention (in English)  TURBINE BLADE WITH OPTIMISED COOLING	Title of Invention (in French)					
TURBINE BLADE WITH OPTIMISED COOLING	Title of Invention	(in English)				
	TURBINE	BLADE	WITH	OPTIMISED	COOLING	

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Corporation Name	Complete Address
SNECMA	2 Boulevard du Général Martial Valin 75015 PARIS FRANCE

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Hay , 22 GREENONE DIGARD BROWDE BUFFET, KEVIN COIS DIGARD BROWDE CUISSART, ELL B. LA	Date	Place	Inventor Name & Signature	Witness Name & Signature
Sepastien	Hay)	CREENONE		

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

Inventor Name	Complete Address
VOLLEBREGT, MatthiewJean Luc	30, Rue des Champs 92600 ASNIERES sur SEINE FRANCE

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

Title of Invention	(in French)				<u> </u>
Title of Invention	(in English)				
TURBINE	BLADE	WITH	OPTIMISED	COOLING	

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

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Date	Place	Inventor Name & Signature	Witness Name & Signature
May, 78+en 2015	Villanoche	VOLLEBREGI, Matthin Yan Luc VOLLEBREGI, Matthieu, Jean-Luc	RENAULT, Michel