#### PATENT ASSIGNMENT

#### Electronic Version v1.1 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

#### **CONVEYING PARTY DATA**

Name	Execution Date
Siegfried Fouvry	02/15/2013
Stephane Heredia	02/26/2013
Bruno Berthel	02/15/2013
Eric Greco	02/26/2013

#### **RECEIVING PARTY DATA**

Name:	EUROCOPTER
Street Address:	Aeroport International Marseille-Provence
City:	Marignane, Cedex
State/Country:	FRANCE
Postal Code:	13725

#### **PROPERTY NUMBERS Total: 1**

Property Type	Number
Application Number:	13915895

#### **CORRESPONDENCE DATA**

Fax Number: 2483583351

Correspondence will be sent via US Mail when the fax attempt is unsuccessful.

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Email: mkatirtzidakis@brookskushman.com

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ATTORNEY DOCKET NUMBER:	EUR0469PUSA
NAME OF SUBMITTER:	Maria Katirtzidakis
Signature:	/Maria Katirtzidakis/

502381354 REEL: 030595 FRAME: 0485

\$40.00 139158

Date:	06/12/2013
	This document serves as an Oath/Declaration (37 CFR 1.63).
Total Attachments: 4 source=Assign_and_Decl_EUR0469PUSA#page1.tif source=Assign_and_Decl_EUR0469PUSA#page2.tif source=Assign_and_Decl_EUR0469PUSA#page3.tif source=Assign_and_Decl_EUR0469PUSA#page4.tif	

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Attorney Docket Number	EUR0469PUSA

# ASSIGNMENT AND DECLARATION (37 C.F.R. 1.63) FOR UTILITY OR DESIGN APPLICATION USING AN APPLICATION DATA SHEET (37 C.F.R. 1.76)

A PROCESS FOR FABRICATING A MECHANICAL PART, INCLOPART IN A FRETTING PREDICTING RISKS OF INITIATING CRACKING OF THE PART IN A FRETTING FATIGIES INSLAND IN THE PART IN A FRETTING FATIGIES INTIATION  As a below named inventor, I hereby declare that:  This declaration is directed to:    The attached application or PCT international application number 13/915.895		<u>, ,, , , , , , , , , , , , , , , , , ,</u>	THE THE STANDARD BART INCLUDING A METHOD OF
PREDICTING RISKS OF INITIATING CREATERS OF INITIATION AND AND AND AND AND AND AND AND AND AN	Title of Inventio	n	A PROCESS FOR FABRICATING A MECHANICAL PART, INCLUDING A METHOD OF
As a below named inventor, I hereby declare that:  This declaration is directed to:    The attached application, or   The attached application, or   White   W			PREDICTING RISKS OF INITIATING CRACKING OF
This declaration is directed to:  The attached application, or  United States application or PCT international application number 13/915,895 filed onInne_122013			FATIGUE SITUATION
The attached application, or  United States application or PCT international application number 13/915_895 filed onfune_122013	As a below named	invente	or, I hereby declare that:
United States application or PCT international application number  13/915,895 filed on June 12, 2013  insertion of the application filing date and number when they become known.)  The above-identified application was 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.  I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims.  I am aware of the duty to disclose to the U.S. Patent and Trademark Office all information known to me to be material to patentability as defined in 37 C.F.R. § 1.56.  NOW, THEREFORE, for good and valuable consideration, receipt of which is hereby acknowledged, I do hereby assign, sell and set over to EUROCOPTER, a corporation organized and existing under the laws of the state or country of France, and having of business at Aéroport International Marseille-Provence, 13725 Marienane, Cedex, France, hereinafter referred to as the place of business at Aéroport International Marseille-Provence, 13725 Marienane, Cedex, France, hereinafter referred to as the place of business at Aéroport International Marseille-Provence, 13725 Marienane, Cedex, France, hereinafter referred to as the place of business and discoveries in the above-identified application including the right of said ASSIGNEE, its successors, assigns or other legal representatives, my entire right, title and interest, domestic and foreign, in and to the legal representatives to make applications and discoveries in any and all other legal representatives, and interest, domestic and foreign, and any other legal representatives, and interest domestic and foreign countries in its or their own name or names, or in my name, at its or their election, and I hereby assign, sell and set over to foreign countries in its or their own name or names, or in my name, at its or their election, and I hereby assign, sell and set over to foreign countries in the observable of the filing	This declaration is	directe	d to:
Interest of the application filing date and number when they become known.)  The above-identified application was 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.  I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims.  I am aware of the duty to disclose to the U.S. Patent and Trademark Office all information known to me to be material to patentability as defined in 37 C.F.R. § 1.56.  NOW, THEREFORE, for good and valuable consideration, receipt of which is hereby acknowledged, I do hereby assign, sell and set over to EUROCOPTER, a corporation organized and existing under the laws of the state or country of France, and having a set over to EUROCOPTER, a corporation and Marseille-Provence, 13725 Marianane, Cedex, France, hereinafter referred to as the inventions and discoveries in the above-identified application including the right of said ASSIGNEE, its successors, assigns or other legal representatives, my entire right, title and interest, domestic and foreign, in and to all inventions and discoveries in the above-identified application including the right of said ASSIGNEE, its successors, assigns or other legal representatives, all rights of priority, including any provisional applications in its or their own name or names, or in my name, at its or their celection, and I hereby assign, sell and set over to foreign countries in its or their own name or names, or in my name, at its or their celection, and I hereby assign, sell and set over to foreign countries in its or their own name or names, or in my name, at its or their election, and I hereby assign, sell and set over to foreign countries in its or their own name or names, or in my name, at its or their election, and I hereby assign, sell and set over to foreign countries in its or their own name or names, or in my name, at its or their observations, and in the proposed provides and the			1
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I believe that I am the original inventor or an original joint inventor of a claimed invention in the application.  I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims.  I am aware of the duty to disclose to the U.S. Patent and Trademark Office all information known to me to be material to patentability as defined in 37 C.F.R. § 1.56.  NOW, THEREFORE, for good and valuable consideration, receipt of which is hereby acknowledged, I do hereby assign, sell and set over toEUNCOPTER, a corporation organized and existing under the laws of the state or country of France, and having set over toEUNCOPTER, a corporation organized and existing under the laws of the state or country of France, and having set over toEUNCOPTER, a corporation organized and existing under the laws of the state or country of France, and having set over toEUNCOPTER, a corporation organized and existing under the laws of the state or country of France, and having set over toEUNCOPTER, a corporation organized and existing under the laws of the state or country of France, and having set over toEUNCOPTER, and and interest, and interest, and interest, domestic and foreign, in and to ASSIGNEE, its successors, assigns or other legal representatives, my entire right, tille and interest, domestic and foreign, in and to the inventions and discoveries in the above-identified application including the right of said ASSIGNEE, its successors, assigns or other legal representatives, all rights of priority, including any provisional applications and to said inventions and discoveries in all countries, including all applications claiming benefit of the filing date hereo in and to said inventions and discoveries in all countries, including all applications claiming benefit of the filing date hereo continuations, continuations—in-part, divisionals, reexaminations and reissue applications.  And I hereby agree for myself, my heirs, successors, assigns or other legal representati	The above-identif	ied app	lication was made or authorized to be made by me.
I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims.  I am aware of the duty to disclose to the U.S. Patent and Trademark Office all information known to me to be material to patentability as defined in 37 C.F.R. § 1.56.  NOW, THEREFORE, for good and valuable consideration, receipt of which is hereby acknowledged, I do hereby assign, sell and set over to _EUROCOPTER, a corporation organized and existing under the laws of the state or country of France_ and having a set over to _EUROCOPTER, a corporation organized and existing under the laws of the state or country of France_ and having a set over to _EUROCOPTER, a corporation organized and existing under the laws of the state or country of France_ hereinafter referred to as the place of business at _Aéroport International Marseille-Provence, 13725 Marignane, Cedex, France_ hereinafter referred to as the place of business at _Aéroport International Marseille-Provence, 13725 Marignane, Cedex, France_ hereinafter referred to as the place of business at _ASSIGNEE, its successors, assigns or other legal representatives, my entire right, tile and interest, domestic and foreign, in and to ASSIGNEE, its successors assigns or other legal representatives, all rights of priority, including and discoveries in any and all countries, including all applications, continuations-in-part, divisionals, reexaminations and reissue applications.  And I hereby agree for myself, my heirs, successors, assigns or other legal representatives to execute any and all papers, including applications for Letters Patent of any and all kinds and in any and all countries and to perform any and all acts which said applications for Letters Patent of any and all kinds and in any and all countries and to perform any and all acts which said applications for Letters Patent of any and all kinds and in any and all countries and to perform any and all acts which said applications for Letters Patent of any and all kinds and in any and a	I haliave that I am	n the or	iginal inventor or an original joint inventor of a claimed invention in the application.
I am aware of the duty to disclose to the U.S. Patent and Trademark Office all information known to the to be material patentability as defined in 37 C.F.R. § 1.56.  NOW, THEREFORE, for good and valuable consideration, receipt of which is hereby acknowledged, I do hereby assign, sell and set over to EUROCOPTER, a corporation organized and existing under the laws of the state or country of France_ and having a set over to EUROCOPTER, a corporation organized and existing under the laws of the state or country of France_ and having a set over to EUROCOPTER, a corporation organized and existing under the laws of the state or country of France_ and having a set over to EUROCOPTER, a corporation organized and existing under the laws of the state or country of France_ and having a set over to EUROCOPTER, a corporation organized and existing under the laws of the state or country of France_ and having a set over to be used to be used to be understant to the state of the state or country of France_ and having a set over to the state of the state of the state or countries, including the notion and discoveries in any and all to receive Letters Patent for said inventions and discoveries in any and all applications. It is successors, assigns or other legal representatives, all rights of priority, including any provisional applications and to said inventions and discoveries in all countries, including all applications.  And I hereby agree for myself, my heirs, successors, assigns or other legal representatives to execute any and all papers, including applications for Letters Patent of any and all kinds and in any and all countries and to perform any and all acts which said applications for Letters Patent of any and all kinds and in any and all countries and to perform any and all acts which said applications for Letters Patent of any and all kinds and in any and all countries and to perform any and all acts which said applications for Letters Patent of any and all representatives may deem necessary to secure thereto the righ	X L tota tha	i I have	reviewed and understand the contents of the above-identified specification, including the claims.
NOW, THEREFORE, for good and valuable consideration, receipt of which is hereby acknowledged, I do hereby assign, self and set over to <a href="EUROCOPTER">EUROCOPTER</a> , a corporation organized and existing under the laws of the state or country of <a href="France">France</a> , and having a place of business at <a href="Aéroport International Marseille-Provence">Aéroport International Marseille-Provence</a> , 13725 <a href="Mariemane">Mariemane</a> , Cedex, France, hereinafter referred to as the place of business at <a href="Aéroport International Marseille-Provence">Aéroport International Marseille-Provence</a> , 13725 <a href="Mariemane">Mariemane</a> , Cedex, France, hereinafter referred to as the place of business at <a href="Aéroport International Marseille-Provence&lt;/a&gt;, 13725 &lt;a href=" mariemane"="">Mariemane</a> , Pariemane, Cedex, France, hereinafter referred to as the place of business and foreign, in and to said discoveries in the above-identified application including the right of said ASSIGNEE, its successors, assigns or name, at its or their election, and I hereby assign, sell and set over to foreign countries in its or their own name or names, or in my name, at its or their election, and I hereby assign, sell and set over to reign countries in its or their own name or names, or in my name, at its or their election, and I hereby assign, sell and set over to reign a successors, assigns or other legal representatives claiming benefit of the filing date hereo continuations, continuations and discoveries in all countries, including all applications claiming benefit of the filing date hereo continuations, continuations, entire in a countries, including all applications claiming benefit of the filing date hereo continuations, continuations, entire particular and reissue applications claiming benefit of the filing date hereo continuations, continuations, and all kinds and in any and all countries and to perform any and all papers, including applications claiming benefit of the filing date hereo co	I am aware of t	he dut	y to disclose to the U.S. Patent and Trademark Office all information known to me to be material to
And I hereby agree for myself, my heirs, successors, assigns or other legal representatives to execute any and all papers, including applications for Letters Patent of any and all kinds and in any and all countries and to perform any and all acts which said applications for Letters Patent of any and all kinds and in any and all countries and to perform any and all acts which said applications for Letters Patent of any and all kinds and in any and all countries and to perform any and all acts which said applications for Letters Patent of any and all papers, including applications for Letters Patent of any and all papers, including applications for Letters Patent of any and all papers, including applications for Letters Patent of any and all countries and to perform any and all papers, including applications for Letters Patent of any and all countries and to perform any and all papers, including applications for Letters Patent of any and all countries and to perform any any any any any any any any	set over to EUI place of busines: ASSIGNEE, its the inventions at other legal repre foreign countrie: said ASSIGNEE in and to said in	s at A success nd disc esentati s in its E, its su invention	ereport International Marseille-Provence, 13725 Marignane, Cedex, France , hereinatter reterred to as the store, assigns or other legal representatives, my entire right, title and interest, domestic and foreign, in and to overies in the above-identified application including the right of said ASSIGNEE, its successors, assigns or over to make applications and to receive Letters Patent for said inventions and discoveries in any and all or their own name or names, or in my name, at its or their election, and I hereby assign, sell and set over to necessors, assigns or other legal representatives, all rights of priority, including any provisional applications, and discoveries in all countries, including all applications claiming benefit of the filing date hereof, thions-in-part, divisionals, reexaminations and reissue applications.
I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine imprisonment of not more than five (5) years or both.  LEGAL NAME OF INVENTOR  Inventor: Siegfried Fouvry  Signature: Date: 15/02/2013  Signature: Date: 15/02/2013	And I hereby ag applications for ASSIGNEE, its	gree for Letter succes	myself, my heirs, successors, assigns or other legal representatives to execute any and all papers, including s Patent of any and all kinds and in any and all countries and to perform any and all acts which said ssors, assigns or other legal representatives may deem necessary to secure thereto the rights herein assigned,
I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine imprisonment of not more than five (5) years or both.  LEGAL NAME OF INVENTOR  Inventor: Siegfried Fouvry  Signature: Date: 15/02/2013  Signature: Diegfried Fouvry  Signature: Diegfried Fouvry  Signature: Diegfried Fouvry  Signature: Diegfried Fouvry  Date: 15/02/2013	And I hereby re	presen	t and warrant that I have not granted any rights inconsistent with the rights granted herein.
Inventor: Siegfried Fouvry  Signature: Date: 15/02/2013  Signature: Date: 15/02/2013	1 hamby ookno	vuledor	that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by tine of
Signature: Siegfried Fourty  Signature: Diegfried Fourty  Signature: Diegfried Fourty  Signature: Diegfried Fourty  Signature: Diegfried Fourty  Siegfried F	LEGAL NAMI	E OF II	1 = 10 7 / 7012
Signature: Signature: Street with Additional Joint Inventors is attached if necessary)	Inventor: _	Siegfr	led Fouvry Date: 15/02/2013
Page 1 of 2 (Supplemental Sheet with Additional Joint Inventors is a tached if necessary)  Page 1 of 2 (Supplemental Sheet with Additional Joint Inventors is a tached if necessary)  Page 1 of 2 (Supplemental Sheet with Additional Joint Inventors is a tached if necessary)	1 -	برر	00
at a CONTROLER (14 or equivalent) including paming the entire inventive entity, must accompany this form.	Page 1 of 2 (S	upplen	nental Sheet with Additional Joint Inventors is attached if necessary)
Note: An Application Data Sheet (PTO/SB/14 of equivalency, algebrashy	Note: An Appl	ication	Data Sheet (PTO/SB/14 or equivalent), including naming the entire inventive entity, must accompany this form.

Attorney Docket Number	EUR0469PUSA

## SUPPLEMENTAL SHEET FOR DECLARATION

Additional Inventors Page 2 of 2

Title of Invention  A PROCESS FOR FABRICATING A MECHANICAL PART, INCLUDING A METHOD OF PREDICTING RISKS OF INITIATING CRACKING OF THE PART IN A FRETTING FATIGUE SITUATION			
Legal Name of Addi	itional Joint Inventor:		
	Heredia me Hezedia	Date: 1	eturre 26 th, 80 B.
Signature			
Legal Name of Add	itional Joint Inventor:		
Inventor: Bruno Ber	thel	Date:	
Signature:			
Legal Name of Add	itional Joint Inventor:		
1	20		February 26th, 2013
Signature: FMC	Greio		
Legal Name of Add	litional Joint Inventor:		
Inventor:		Date:	
Signature:		· .	
TALL STATE	distance Toint Inventory		
Legal Name of Add	ditional Joint Inventor:	A CONTRACTOR OF THE PROPERTY O	
Inventor:		Date:	
Signature:			
Legal Name of Ad	ditional Joint Inventor:		
		Date:	
Signature:			

Attorney Docket Number	EUR0469PUSA

## ASSIGNMENT AND DECLARATION (37 C.F.R. 1.63) FOR UTILITY OR DESIGN APPLICATION USING AN APPLICATION DATA SHEET (37 C.F.R. 1.76)

Title of Invention	A PROCESS FOR FABRICATING A MECHANICAL PART, INCLUDING A METHOD OF PREDICTING RISKS OF INITIATING CRACKING OF THE PART IN A FRETTING	
FATIGUE SITUATION		
As a below named inven	tor, I hereby declare that:	
This declaration is direct	ed to:	
	tached application, or	
⊠ United 13/	States application or PCT international application number. 915,895 filed on June 12, 2013 (I hereby authorize the	
inserti	on of the application filing date and number when they become known.)	
	plication was made or authorized to be made by me.	
I believe that I am the or	riginal inventor or an original joint inventor of a claimed invention in the application.	
I hereby state that I have	e reviewed and understand the contents of the above-identified specification, including the claims.	
patentability as defined	y to disclose to the U.S. Patent and Trademark Office all information known to me to be material to in 37 C.F.R. § 1.56.	
set over to EUROCOI place of business at A ASSIGNEE, its success the inventions and disc other legal representati foreign countries in its said ASSIGNEE, its su in and to said inventio continuations, continua	for good and valuable consideration, receipt of which is hereby acknowledged, I do hereby assign, sell and PTER, a corporation organized and existing under the laws of the state or country of France, and having a Neroport International Marseille-Provence. 13725 Marignane. Cedex. France, hereinafter referred to as the sors, assigns or other legal representatives, my entire right, title and interest, domestic and foreign, in and to overies in the above-identified application including the right of said ASSIGNEE, its successors, assigns or lives to make applications and to receive Letters Patent for said inventions and discoveries in any and all or their own name or names, or in my name, at its or their election, and I hereby assign, sell and set over to increase, assigns or other legal representatives, all rights of priority, including any provisional applications, one and discoveries in all countries, including all applications claiming benefit of the filing date hereof, altions-in-part, divisionals, reexaminations and reissue applications.	
And I hereby agree for myself, my heirs, successors, assigns or other legal representatives to execute any and all papers, including applications for Letters Patent of any and all kinds and in any and all countries and to perform any and all acts which said applications for Letters Patent of any and all kinds and in any and all countries and to perform any and all acts which said ASSIGNEE, its successors, assigns or other legal representatives may deem necessary to secure thereto the rights herein assigned, sold and set over.		
And I hereby represent	and warrant that I have not granted any rights inconsistent with the rights granted herein.	
1 hereby acknowledge imprisonment of not m	that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine or nore than five (5) years or both.	
LEGAL NAME OF IN		
1	ed Fouvry Date: 15/07/2013	
Signature:	egfried Foury 19.	
Page 1 of 2 (Supplem	ental Sheet with Additional Joint Inventors is attached if necessary)	
Note: An Application I	Data Sheet (PTO/SB/14 or equivalent), including naming the entire inventive entity, must accompany this form.	

Attorney Docket Number	EUR0469PUSA	

### SUPPLEMENTAL SHEET FOR DECLARATION

Additional Inventors Page <u>2</u> of <u>2</u>

Title of In	vention	A PROCESS FOR FABRICATING A M PREDICTING RISKS OF INITIATIN FATIGUE SITUATION		
Legal Na	me of Addi	itional Joint Inventor:		
Inventor:	Stéphane	Heredia	Date:	
Signature:				
Legal Na	me of Add	itional Joint Inventor:		
Inventor:	Bruno Ber	Thel Borthol	Date: 15/02/2	013
Signature:				
Legai Nai	me of Addi	itional Joint Inventor:		han an interpretation of the second of the s
Inventor:	Eric Greco	0	Date:	Ab of discount and any value for adjudgmental agriculture.
Signature:				
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Legal Nai	me of Addi	itional Joint Inventor:		
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Legal Nat	ne of Addi	itional Joint Inventor:		
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Signature:	The second secon			Marter of the Control
Legal Nar	me of Addi	itional Joint Inventor:	W	
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PATENT REEL: 030595 FRAME: 0490

**RECORDED: 06/12/2013**