

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT2943212

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
PHILIPPE BLOT	05/09/2014
BERTRAND DUTHILLE	05/09/2014
SERGE BOUDE	05/09/2014
CÉDRIC PUPIN	05/09/2014
MARC MORET	05/09/2014
CLÉMENT JOURDREN	05/09/2014
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	AIRBUS OPERATIONS (S.A.S.)
<b>Street Address:</b>	316 route de Bayonne
<b>City:</b>	Toulouse
<b>State/Country:</b>	FRANCE
<b>Postal Code:</b>	F-31060
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
Application Number:	14133023
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(919)419-0383
<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>	
<b>Phone:</b>	919-493-8000
<b>Email:</b>	gchaney@jwth.com
<b>Correspondent Name:</b>	JEFFREY L. WILSON
<b>Address Line 1:</b>	3100 TOWER BOULEVARD
<b>Address Line 2:</b>	SUITE 1200
<b>Address Line 4:</b>	DURHAM, NORTH CAROLINA 27707
<b>ATTORNEY DOCKET NUMBER:</b>	3015/22
<b>NAME OF SUBMITTER:</b>	JEFFREY L. WILSON
<b>SIGNATURE:</b>	/jeffrey l. wilson/
<b>DATE SIGNED:</b>	07/17/2014
<b>Total Attachments: 6</b>	

PATENT

source=ASSIGNMENT\_3015-22#page1.tif  
source=ASSIGNMENT\_3015-22#page2.tif  
source=ASSIGNMENT\_3015-22#page3.tif  
source=ASSIGNMENT\_3015-22#page4.tif  
source=ASSIGNMENT\_3015-22#page5.tif  
source=ASSIGNMENT\_3015-22#page6.tif

**COMBINED DECLARATION AND ASSIGNMENT FOR UTILITY OR DESIGN APPLICATION (37 CFR 1.63) USING  
AN APPLICATION DATA SHEET**

Attorney Docket No. 3015/22 Airbus Reference No. 8103 PR

Title of the Invention ("Invention") **PROCESS FOR MANUFACTURING A TEXTILE PREFORM WITH CONTINUOUS FIBRES BY CIRCULATION OF HOT GAS FLOW THROUGH A FIBROUS ARRAY**

Legal Name of Inventor ("Inventor") **PHILIPPE BLOT**

Assignee ("Assignee") Airbus Operations S.A.S. (France), incorporated or otherwise formed in France, and having a place of business at 316, route de Bayonne, F-31060 Toulouse, France

**DECLARATION**

As named inventor, I hereby declare that:

This declaration is directed to:

☐ The attached Application

OR

☒ United States Application Number or PCT International Application Number 14/133,023  
filed on December 18, 2013

that the above-identified Application is/was made or authorized to be made by me;

that I believe I am the original inventor or an original joint inventor of a claimed invention in the above-identified Application; and

that I 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.

**ASSIGNMENT**

IN ADDITION TO MAKING THIS DECLARATION, WHEREAS the Assignee is desirous of acquiring, or has acquired and is desirous of memorializing its acquisition further herein, my entire right, title and interest in the above-identified Application.

NOW, THEREFORE, for good and valuable consideration the receipt of which is hereby acknowledged, I agree to assign, and hereby do assign, to Assignee my entire right, title and interest in and to the Application in the United States of America and all other countries, including any and all inventions, discoveries and other subject matter described therein, any divisional, continuation, continuation-in-part, conversion, non-provisional, substitute, reissue, re-examination certificate following Inter Partes Review, certificate following Post Grant Review, all other applications claiming priority to or benefit of the Application pursuant to any law or treaty, and any patent issuing from any of the foregoing. I agree to assign, and hereby do assign, to Assignee the right to claim such priority or benefit. I have not previously conveyed, nor am I aware of an obligation to convey, my rights in the Application to a third party. I hereby authorize the U.S. Patent and Trademark Office, and any other governmental agency in the world, to issue to Assignee all patents resulting from the Application and to record Assignee's ownership thereof. At Assignee's reasonable request I agree, without further remuneration, to execute and deliver documents prepared at Assignee's expense and to provide other cooperation, such as testimony, as may be reasonably required to evidence or protect Assignee's rights in the Application. Assignee may assign or transfer all or part of its rights set forth herein in its sole discretion. I agree that the Assignee may affix its signature to this document as well as any other indicia of its acceptance of the provisions hereof. If any provision herein is unenforceable, the requirements of the provision shall remain to the full extent permissible by law and the offending portions thereof shall be deemed replaced, to the extent possible, with a provision most closely reflecting the purpose of the offending provision.

May 9, 2014

(Date)

  
PHILIPPE BLOT

**WARNING**

According to 37 C.F.R. 1.63 (c), "[a] person may not execute an oath or declaration unless the person has reviewed and understands the contents of the application, including claims and is aware of the duty to disclose to the Office all information known to be material to patentability as defined in 1.56."

An Application Data Sheet (PTO/SB/14 or Equivalent) naming the entire inventiveness entity must accompany this form unless previously submitted.

**COMBINED DECLARATION AND ASSIGNMENT FOR UTILITY OR DESIGN APPLICATION (37 CFR 1.63) USING  
AN APPLICATION DATA SHEET**

Attorney Docket No. 3015/22 Airbus Reference No. 8103 PR

Title of the Invention ("Invention") **PROCESS FOR MANUFACTURING A TEXTILE PREFORM WITH CONTINUOUS FIBRES BY CIRCULATION OF HOT GAS FLOW THROUGH A FIBROUS ARRAY**

Legal Name of Inventor ("Inventor") **BERTRAND DUTHILLE**

Assignee ("Assignee") **Airbus Operations S.A.S. (France), incorporated or otherwise formed in France, and having a place of business at 316, route de Bayonne, F-31060 Toulouse, France**

**DECLARATION**

As named inventor, I hereby declare that

This declaration is directed to:

☐

The attached Application

OR

☒

United States Application Number or PCT International Application Number 14/133,023  
filed on December 18, 2013

that the above-identified Application is/was made or authorized to be made by me;

that I believe I am the original inventor or an original joint inventor of a claimed invention in the above-identified Application; and

that I 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.

**ASSIGNMENT**

IN ADDITION TO MAKING THIS DECLARATION, WHEREAS the Assignee is desirous of acquiring, or has acquired and is desirous of memorializing its acquisition further herein, my entire right, title and interest in the above-identified Application.

NOW, THEREFORE, for good and valuable consideration the receipt of which is hereby acknowledged, I agree to assign, and hereby do assign, to Assignee my entire right, title and interest in and to the Application in the United States of America and all other countries, including any and all inventions, discoveries and other subject matter described therein, any divisional, continuation, continuation-in-part, conversion, non-provisional, substitute, reissue, re-examination certificate following Inter Partes Review, certificate following Post Grant Review, all other applications claiming priority to or benefit of the Application pursuant to any law or treaty, and any patent issuing from any of the foregoing. I agree to assign, and hereby do assign, to Assignee the right to claim such priority or benefit. I have not previously conveyed, nor am I aware of an obligation to convey, my rights in the Application to a third party. I hereby authorize the U.S. Patent and Trademark Office, and any other governmental agency in the world, to issue to Assignee all patents resulting from the Application and to record Assignee's ownership thereof. At Assignee's reasonable request I agree, without further remuneration, to execute and deliver documents prepared at Assignee's expense and to provide other cooperation, such as testimony, as may be reasonably required to evidence or protect Assignee's rights in the Application. Assignee may assign or transfer all or part of its rights set forth herein in its sole discretion. I agree that the Assignee may affix its signature to this document as well as any other indicia of its acceptance of the provisions hereof. If any provision herein is unenforceable, the requirements of the provision shall remain to the full extent permissible by law and the offending portions thereof shall be deemed replaced, to the extent possible, with a provision most closely reflecting the purpose of the offending provision.

May 9, 2014

(Date)

BERTRAND DUTHILLE

**WARNING**

According to 37 C.F.R. 1.63 (c), "[a] person may not execute an oath or declaration unless the person has reviewed and understands the contents of the application, including claims and is aware of the duty to disclose to the Office all information known to be material to patentability as defined in 1.56."

An Application Data Sheet (PTO/SB/14 or Equivalent) naming the entire inventiveness entity must accompany this form unless previously submitted.

**COMBINED DECLARATION AND ASSIGNMENT FOR UTILITY OR DESIGN APPLICATION (37 CFR 1.63) USING  
AN APPLICATION DATA SHEET**

Attorney Docket No. 3015/22 Airbus Reference No. 8103 PR

Title of the Invention ("Invention") **PROCESS FOR MANUFACTURING A TEXTILE PREFORM WITH CONTINUOUS  
FIBRES BY CIRCULATION OF HOT GAS FLOW THROUGH A FIBROUS ARRAY**

Legal Name of Inventor ("Inventor") **SERGE BOUDE**

Assignee ("Assignee") **Airbus Operations S.A.S. (France), incorporated or otherwise formed in France, and having a place  
of business at 316, route de Bayonne, F-31060 Toulouse, France**

**DECLARATION**

As named inventor, I hereby declare that:

This declaration is directed to:

☐ The attached Application

OR

☒ United States Application Number or PCT International Application Number 14/133,023  
filed on December 18, 2013

that the above-identified Application is/was made or authorized to be made by me;

that I believe I am the original inventor or an original joint inventor of a claimed invention in the above-identified Application; and

that I 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.

**ASSIGNMENT**

IN ADDITION TO MAKING THIS DECLARATION, WHEREAS the Assignee is desirous of acquiring, or has acquired and is desirous of memorializing its acquisition further herein, my entire right, title and interest in the above-identified Application.

NOW, THEREFORE, for good and valuable consideration the receipt of which is hereby acknowledged, I agree to assign, and hereby do assign, to Assignee my entire right, title and interest in and to the Application in the United States of America and all other countries, including any and all inventions, discoveries and other subject matter described therein, any divisional, continuation, continuation-in-part, conversion, non-provisional, substitute, reissue, re-examination certificate following Inter Partes Review, certificate following Post Grant Review, all other applications claiming priority to or benefit of the Application pursuant to any law or treaty, and any patent issuing from any of the foregoing. I agree to assign, and hereby do assign, to Assignee the right to claim such priority or benefit. I have not previously conveyed, nor am I aware of an obligation to convey, my rights in the Application to a third party. I hereby authorize the U.S. Patent and Trademark Office, and any other governmental agency in the world, to issue to Assignee all patents resulting from the Application and to record Assignee's ownership thereof. At Assignee's reasonable request I agree, without further remuneration, to execute and deliver documents prepared at Assignee's expense and to provide other cooperation, such as testimony, as may be reasonably required to evidence or protect Assignee's rights in the Application. Assignee may assign or transfer all or part of its rights set forth herein in its sole discretion. I agree that the Assignee may affix its signature to this document as well as any other indicia of its acceptance of the provisions hereof. If any provision herein is unenforceable, the requirements of the provision shall remain to the full extent permissible by law and the offending portions thereof shall be deemed replaced, to the extent possible, with a provision most closely reflecting the purpose of the offending provision.

May 9, 2014

(Date)

  
SERGE BOUDE

**WARNING**

According to 37 C.F.R. 1.63 (c), "[a] person may not execute an oath or declaration unless the person has reviewed and understands the contents of the application, including claims and is aware of the duty to disclose to the Office all information known to be material to patentability as defined in 1.56."

An Application Data Sheet (PTO/SB/14 or Equivalent) naming the entire inventiveness entity must accompany this form unless previously submitted.

**COMBINED DECLARATION AND ASSIGNMENT FOR UTILITY OR DESIGN APPLICATION (37 CFR 1.63) USING  
AN APPLICATION DATA SHEET**

Attorney Docket No. 3015/22 Airbus Reference No. 8103 PR

Title of the Invention ("Invention") PROCESS FOR MANUFACTURING A TEXTILE PREFORM WITH CONTINUOUS FIBRES BY CIRCULATION OF HOT GAS FLOW THROUGH A FIBROUS ARRAY

Legal Name of Inventor ("Inventor") CÉDRIC PUPIN

Assignee ("Assignee") Airbus Operations S.A.S. (France), incorporated or otherwise formed in France and having a place of business at 316, route de Bayonne, F-31060 Toulouse, France

**DECLARATION**

As named inventor, I hereby declare that

This declaration is directed to:

☐ The attached Application

OR

☒ United States Application Number or PCT International Application Number 14/133,023  
filed on December 18, 2013

that the above-identified Application is/was made or authorized to be made by me;

that I believe I am the original inventor or an original joint inventor of a claimed invention in the above-identified Application; and

that I 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

**ASSIGNMENT**

IN ADDITION TO MAKING THIS DECLARATION, WHEREAS the Assignee is desirous of acquiring, or has acquired and is desirous of memorializing its acquisition further herein, my entire right, title and interest in the above-identified Application

NOW, THEREFORE, for good and valuable consideration the receipt of which is hereby acknowledged, I agree to assign, and hereby do assign, to Assignee my entire right, title and interest in and to the Application in the United States of America and all other countries, including any and all inventions, discoveries and other subject matter described therein, any divisional, continuation, continuation-in-part conversion, non-provisional, substitute, reissue, re-examination certificate following Inter Partes Review, certificate following Post Grant Review, all other applications claiming priority to or benefit of the Application pursuant to any law or treaty, and any patent issuing from any of the foregoing. I agree to assign, and hereby do assign, to Assignee the right to claim such priority or benefit. I have not previously conveyed, nor am I aware of an obligation to convey, my rights in the Application to a third party. I hereby authorize the U.S. Patent and Trademark Office, and any other governmental agency in the world, to issue to Assignee all patents resulting from the Application and to record Assignee's ownership thereof. At Assignee's reasonable request I agree, without further remuneration, to execute and deliver documents prepared at Assignee's expense and to provide other cooperation, such as testimony, as may be reasonably required to evidence or protect Assignee's rights in the Application. Assignee may assign or transfer all or part of its rights set forth herein in its sole discretion. I agree that the Assignee may affix its signature to this document as well as any other indicia of its acceptance of the provisions hereof. If any provision herein is unenforceable, the requirements of the provision shall remain to the full extent permissible by law and the offending portions thereof shall be deemed replaced, to the extent possible, with a provision most closely reflecting the purpose of the offending provision.

May 9, 2014

(Date)

CÉDRIC PUPIN

**WARNING**

According to 37 C.F.R. 1.63 (c), "[a] person may not execute an oath or declaration unless the person has reviewed and understands the contents of the application, including claims and is aware of the duty to disclose to the Office all information known to be material to patentability as defined in 1.56."

An Application Data Sheet (PTO/SB/14 or Equivalent) naming the entire inventiveness entity must accompany this form unless previously submitted.

**COMBINED DECLARATION AND ASSIGNMENT FOR UTILITY OR DESIGN APPLICATION (37 CFR 1.63) USING  
AN APPLICATION DATA SHEET**

Attorney Docket No. 3015/22 Airbus Reference No. 8103 PR

Title of the Invention ("Invention") PROCESS FOR MANUFACTURING A TEXTILE PREFORM WITH CONTINUOUS FIBRES BY CIRCULATION OF HOT GAS FLOW THROUGH A FIBROUS ARRAY

Legal Name of Inventor ("Inventor") MARC MORET

Assignee ("Assignee") Airbus Operations S.A.S. (France), incorporated or otherwise formed in France, and having a place of business at 316, route de Bayonne, F-31060 Toulouse, France

**DECLARATION**

As named inventor, I hereby declare that:

This declaration is directed to:

☐ The attached Application

OR

☒ United States Application Number or PCT International Application Number 14/133,023  
filed on December 18, 2013

that the above-identified Application is/was made or authorized to be made by me;

that I believe I am the original inventor or an original joint inventor of a claimed invention in the above-identified Application; and

that I 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.

**ASSIGNMENT**

IN ADDITION TO MAKING THIS DECLARATION, WHEREAS the Assignee is desirous of acquiring, or has acquired and is desirous of memorializing its acquisition further herein, my entire right, title and interest in the above-identified Application.

NOW, THEREFORE, for good and valuable consideration the receipt of which is hereby acknowledged, I agree to assign, and hereby do assign, to Assignee my entire right, title and interest in and to the Application in the United States of America and all other countries, including any and all inventions, discoveries and other subject matter described therein, any divisional, continuation, continuation-in-part, conversion, non-provisional, substitute, reissue, re-examination certificate following Inter Partes Review, certificate following Post Grant Review, all other applications claiming priority to or benefit of the Application pursuant to any law or treaty, and any patent issuing from any of the foregoing. I agree to assign, and hereby do assign, to Assignee the right to claim such priority or benefit. I have not previously conveyed, nor am I aware of an obligation to convey, my rights in the Application to a third party. I hereby authorize the U.S. Patent and Trademark Office, and any other governmental agency in the world, to issue to Assignee all patents resulting from the Application and to record Assignee's ownership thereof. At Assignee's reasonable request I agree, without further remuneration, to execute and deliver documents prepared at Assignee's expense and to provide other cooperation, such as testimony, as may be reasonably required to evidence or protect Assignee's rights in the Application. Assignee may assign or transfer all or part of its rights set forth herein in its sole discretion. I agree that the Assignee may affix its signature to this document as well as any other indicia of its acceptance of the provisions hereof. If any provision herein is unenforceable, the requirements of the provision shall remain to the full extent permissible by law and the offending portions thereof shall be deemed replaced, to the extent possible, with a provision most closely reflecting the purpose of the offending provision.

May 9, 2014

(Date)

MARC MORET

**WARNING**

According to 37 C.F.R. 1.63 (c), "[a] person may not execute an oath or declaration unless the person has reviewed and understands the contents of the application, including claims and is aware of the duty to disclose to the Office all information known to be material to patentability as defined in 1.56."

An Application Data Sheet (PTO/SB/14 or Equivalent) naming the entire inventiveness entity must accompany this form unless previously submitted.

**COMBINED DECLARATION AND ASSIGNMENT FOR UTILITY OR DESIGN APPLICATION (37 CFR 1.63) USING  
AN APPLICATION DATA SHEET**

Attorney Docket No.	3015/22	Airbus Reference No.	8103 PR
Title of the Invention ("Invention")	PROCESS FOR MANUFACTURING A TEXTILE PREFORM WITH CONTINUOUS FIBRES BY CIRCULATION OF HOT GAS FLOW THROUGH A FIBROUS ARRAY		
Legal Name of Inventor ("Inventor")	CLÉMENT JOURDREN		
Assignee ("Assignee")	Airbus Operations S.A.S. (France), incorporated or otherwise formed in France, and having a place of business at 316, route de Bayonne, F-31060 Toulouse, France		

**DECLARATION**

As named inventor, I hereby declare that:

This declaration is directed to:



The attached Application

OR



United States Application Number or PCT International Application Number 14/133,023  
filed on December 18, 2013

that the above-identified Application is/was made or authorized to be made by me;

that I believe I am the original inventor or an original joint inventor of a claimed invention in the above-identified Application; and

that I 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.

**ASSIGNMENT**

IN ADDITION TO MAKING THIS DECLARATION, WHEREAS the Assignee is desirous of acquiring, or has acquired and is desirous of memorializing its acquisition further herein, my entire right, title and interest in the above-identified Application.

NOW, THEREFORE, for good and valuable consideration the receipt of which is hereby acknowledged, I agree to assign, and hereby do assign, to Assignee my entire right, title and interest in and to the Application in the United States of America and all other countries, including any and all inventions, discoveries and other subject matter described therein, any divisional, continuation, continuation-in-part, conversion, non-provisional, substitute, reissue, re-examination certificate following Inter Partes Review, certificate following Post Grant Review, all other applications claiming priority to or benefit of the Application pursuant to any law or treaty, and any patent issuing from any of the foregoing. I agree to assign, and hereby do assign, to Assignee the right to claim such priority or benefit. I have not previously conveyed, nor am I aware of an obligation to convey, my rights in the Application to a third party. I hereby authorize the U.S. Patent and Trademark Office, and any other governmental agency in the world, to issue to Assignee all patents resulting from the Application and to record Assignee's ownership thereof. At Assignee's reasonable request I agree, without further remuneration, to execute and deliver documents prepared at Assignee's expense and to provide other cooperation, such as testimony, as may be reasonably required to evidence or protect Assignee's rights in the Application. Assignee may assign or transfer all or part of its rights set forth herein in its sole discretion. I agree that the Assignee may affix its signature to this document as well as any other indicia of its acceptance of the provisions hereof. If any provision herein is unenforceable, the requirements of the provision shall remain to the full extent permissible by law and the offending portions thereof shall be deemed replaced, to the extent possible, with a provision most closely reflecting the purpose of the offending provision.

May 9, 2014

(Date)

  
CLÉMENT JOURDREN

**WARNING**

According to 37 C.F.R. 1.63 (c), "[a] person may not execute an oath or declaration unless the person has reviewed and understands the contents of the application, including claims and is aware of the duty to disclose to the Office all information known to be material to patentability as defined in 1.56."

An Application Data Sheet (PTO/SB/14 or Equivalent) naming the entire inventiveness entity must accompany this form unless previously submitted.

**PATENT**

**RECORDED: 07/17/2014**

**REEL: 033335 FRAME: 0935**