03/22/2017 504284440

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT4331121

| SUBMISSION TYPE: | NEW ASSIGNMENT |
|-----------------------|----------------|
| NATURE OF CONVEYANCE: | ASSIGNMENT |

CONVEYING PARTY DATA

| Name | Execution Date |
|-----------------------|----------------|
| JESUS ASPAS PUERTOLAS | 02/03/2017 |
| DAMIEN COUDEYRE | 02/10/2017 |
| ANDRE DE LUSTRAC | 02/17/2017 |
| GERARD PASCAL PIAU | 01/20/2017 |
| SYLVIE FARGEOT | 02/03/2017 |
| ALEXANDRE SELLIER | 02/20/2017 |

RECEIVING PARTY DATA

| Name: | AIRBUS SAFRAN LAUNCHERS SAS |
|-------------------|-----------------------------|
| Street Address: | TOUR CRISTAL |
| Internal Address: | 7-11 QUAI ANDRE CITROEN |
| City: | PARIS |
| State/Country: | FRANCE |
| Postal Code: | 75015 |

PROPERTY NUMBERS Total: 1

| Property Type | Number |
|---------------------|----------|
| Application Number: | 15327709 |

CORRESPONDENCE DATA

Fax Number: (216)579-6073

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: 216-579-1700 Email: lzakelj@pearne.com PEARNE & GORDON LLP **Correspondent Name:** 1801 EAST 9TH STREET Address Line 1:

Address Line 2: **SUITE 1200**

Address Line 4: **CLEVELAND, OHIO 44114-3108**

| ATTORNEY DOCKET NUMBER: | BRV-57047 |
|-------------------------|--------------------|
| NAME OF SUBMITTER: | AARON A. FISHMAN |
| SIGNATURE: | /Aaron A. Fishman/ |
| DATE SIGNED: | 03/22/2017 |

PAIENI REEL: 041683 FRAME: 0951 504284440

This document serves as an Oath/Declaration (37 CFR 1.63).

Total Attachments: 12

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PATENT REEL: 041683 FRAME: 0952

DECLARATION AND ASSIGNMENT FOR US UTILITY OR DESIGN PATENT APPLICATION

| Attorney Docket No.: |
|---|
| As a below-named inventor, I hereby declare that: |
| this declaration is directed to the application entitled: |
| DEVICE FOR PROTECTING FROM LIGHTNING |
| (check only one item below) |
| attached hereto, |
| OR |
| illed on January 20, 2017 as United States Application Number or PCT International |
| Application Number 15/327 709. |
| The above-identified application was made or authorized to be made by me. |
| I believe I am the original inventor or an original joint inventor of a claimed invention in the above-identified application. |
| 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. |
| WHEREAS, new and useful improvements have been made by the undersigned as described in the above-identified application. |

NOW, THEREFORE, be it known that, for valuable consideration, the receipt and sufficiency of which are hereby acknowledged, all right, title, and interest, in the United States and throughout the world, in, to and under said improvements and inventions and all patents, patent applications, patent rights, and inventors' certificates thereof, therefor, and therein, including without limitation said application for patent in the United States, all divisions and continuations thereof, all patents which may be granted thereon, all reissues and

7-11 Quai André Citroën - 75015 Paris - France, hereinafter referred to as "assignee", is desirous of acquiring all right, title, and interest throughout the world in, to, and under said

improvements and inventions and patent rights therefor.

WHEREAS, Airbus Safran Launchers SAS, having a place of business at Tour Cristal,

Page 1 of 4

extensions thereof, all right to sue for past infringement thereunder, all patents which may be granted for said improvements and inventions by states or nations other than the United States, or by other authority, entity, or organization, all applications therefor, and all rights of priority resulting from the filing of said applications, have been and are hereby sold, assigned, transferred, and delivered unto assignee, its successors and assigns by the undersigned; and it is covenanted and agreed by the undersigned, and for executors, administrators, and legal representatives of the undersigned, that at assignee's request any and all applications, affidavits, assignments, and other instruments will be made, executed, and delivered as may be necessary, or desirable to secure for or vest in assignee, its successors or assigns, any improvement, inventions, right, title, interest, application, patent, patent right or other right or property covered by this assignment, and the United States Commissioner of Patents and Trademarks is hereby requested and authorized to issue any and all United States patents granted on any of said applications to assignee as owner of the entire right, title, and interest in, to, and under the same, and appropriately empowered officials of foreign countries are hereby authorized to issue any letters patent granted on any of said applications to assignee as owner of the entire right, title and interest in, to, and under the same.

IN WITNESS WHEREOF, this declaration and assignment has been executed below by the undersigned:

Signature of Inventor:

Date: Sold 2017

February 3, 2017

Witness: N. HERBLIN

Witness: J. LAGUNA

Signatures of additional inventors on attached sheet(s)

Legal Name of Inventor: ASPAS PUERTOLAS, Jesus

Notice to Inventor(s): A person may not execute this declaration unless that person has reviewed and understands the contents of the above-identified application, including the claims.

Notice to Inventor(s): A person may not execute this declaration unless that person is aware of the duty to disclose to the US Patent and Trademark Office all information known to the person to be material to patentability as defined in 37 CFR 1.56.

Additional Inventor(s)

| Legal Name of Inventor: COUDEYRE, Damien |
|--|
| Signature of Inventor: |
| Date: 10.02. 2017 February 10, 2017 |
| Witness: N. HERBLIN |
| Witness: J. LAGUNA TOQUAR |
| |
| Legal Name of Inventor: <u>FARGEOT, Sylvie</u> |
| Signature of Inventor: |
| Date: |
| Witness: |
| Witness: |
| |
| Legal Name of Inventor: SELLIER, ALexandre |
| Signature of Inventor: |
| Date: |
| Witness: |
| Witness |

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| Legal Name of Inventor: <u>DE</u> | LUSTRAC Andre | | | |
|-----------------------------------|-------------------|---|--|--|
| Signature of Inventor: | Ade | Lestia | L. | Vira (\$100 priviraca dila 10° |
| Date: | 17/09 | 12017 | February 3 | 17, 2017 |
| Wimess: | M. H | ERBLIN | - | A4-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1 |
| Witness: Taqueno | J. LAG | UNA | | |
| Legal Name of Inventor: PL | AU, Gérard Pascal | | | |
| Signature of Inventor: | | | | ~0000000;===~~ \qua |
| Date: | 20/01/2012 | Januar | y 20, 2017 | объя и Михискъ А. Б. Б. И. |
| Witness: | • | ERBLIN | | |
| Witness: | Mar | J. LAGUNA | ADDOLEN TERRETORIS CONTRACTORIS | ************************************** |
| 14 Years Ash | 2000 | *************************************** | Manager and the second of the | ~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~ |

DECLARATION AND ASSIGNMENT FOR US UTILITY OR DESIGN PATENT APPLICATION

| Attorney Docket No.: |
|---|
| As a below-named inventor, I hereby declare that: |
| this declaration is directed to the application entitled: |
| DEVICE FOR PROTECTING FROM LIGHTNING |
| (check only one item below) |
| attached hereto, |
| OR |
| filed on January 20, 2017 as United States Application Number or PCT International Application Number <u>15/327 709</u> . |
| The above-identified application was made or authorized to be made by me. |
| The lieure I am the emissinglimitement an an emissional joint instanton of a plainted instantion in the |

I believe I am the original inventor or an original joint inventor of a claimed invention in the above-identified application.

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.

WHEREAS, new and useful improvements have been made by the undersigned as described in the above-identified application.

WHEREAS, Airbus Safran Launchers SAS, having a place of business at Tour Cristal, 7-11 Quai André Citroën – 75015 Paris - France, hereinafter referred to as "assignee", is desirous of acquiring all right, title, and interest throughout the world in, to, and under said improvements and inventions and patent rights therefor.

NOW, THEREFORE, be it known that, for valuable consideration, the receipt and sufficiency of which are hereby acknowledged, all right, title, and interest, in the United States and throughout the world, in, to and under said improvements and inventions and all patents, patent applications, patent rights, and inventors' certificates thereof, therefor, and therein, including without limitation said application for patent in the United States, all divisions and continuations thereof, all patents which may be granted thereon, all reissues and

Page 1 of 4

extensions thereof, all right to sue for past infringement thereunder, all patents which may be granted for said improvements and inventions by states or nations other than the United States, or by other authority, entity, or organization, all applications therefor, and all rights of priority resulting from the filing of said applications, have been and are hereby sold, assigned, transferred, and delivered unto assignee, its successors and assigns by the undersigned; and it is covenanted and agreed by the undersigned, and for executors, administrators, and legal representatives of the undersigned, that at assignee's request any and all applications, affidavits, assignments, and other instruments will be made, executed, and delivered as may be necessary, or desirable to secure for or vest in assignee, its successors or assigns, any improvement, inventions, right, title, interest, application, patent, patent right or other right or property covered by this assignment, and the United States Commissioner of Patents and Trademarks is hereby requested and authorized to issue any and all United States patents granted on any of said applications to assignee as owner of the entire right, title, and interest in, to, and under the same, and appropriately empowered officials of foreign countries are hereby authorized to issue any letters patent granted on any of said applications to assignee as owner of the entire right, title and interest in, to, and under the same.

IN WITNESS WHEREOF, this declaration and assignment has been executed below by the undersigned:

| Signature of Inven | tor: | | |
|--------------------|------|------|---|
| Date: | | | |
| Witness: | | | *************************************** |
| Witness: | | | |

Legal Name of Inventor: ASPAS PUERTOLAS, Jesus

Notice to Inventor(s): A person may not execute this declaration unless that person has reviewed and understands the contents of the above-identified application, including the claims.

Notice to Inventor(s): A person may not execute this declaration unless that person is aware of the duty to disclose to the US Patent and Trademark Office all information known to the person to be material to patentability as defined in 37 CFR 1.56.

Additional Inventor(s)

| Legal Name of Inventor: COUDEYRE, Damien |
|---|
| Signature of Inventor: |
| Date: |
| Witness: |
| Witness: |
| |
| Legal Name of Inventor: FARGEOT, Sylvie |
| Signature of Inventor: |
| Date: 3/01/2017 February 3, 2017 |
| Witness: N. HERBLIN |
| Witness: J. LAGUNA baywa |
| |
| Legal Name of Inventor: <u>SELLIER, ALexandre</u> |
| Signature of Inventor: |
| Date: |
| Witness: |
| Witness |

| egal Name of Inventor: <u>DE LUSTRAC, André</u> | |
|---|--|
| gnature of Inventor: | |
| ate: | |
| litness: | |
| 'itness: | |
| egal Name of Inventor: PIAU, Gérard Pascai | |
| gnature of Inventor: | |
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| itnece. | |

DECLARATION AND ASSIGNMENT FOR US UTILITY OR DESIGN PATENT APPLICATION

| Attorney Docket No.: |
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| As a below-named inventor, I hereby declare that: |
| this declaration is directed to the application entitled: |
| DEVICE FOR PROTECTING FROM LIGHTNING |
| (check only one item below) |
| attached hereto, |
| OR |
| filed on January 20, 2017 as United States Application Number or PCT International Application Number <u>15/327 709</u> . |
| The above-identified application was made or authorized to be made by me. |
| I believe I am the original inventor or an original joint inventor of a claimed invention in the above-identified application. |
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Page 1 of 4

extensions thereof, all right to sue for past infringement thereunder, all patents which may be granted for said improvements and inventions by states or nations other than the United States, or by other authority, entity, or organization, all applications therefor, and all rights of priority resulting from the filing of said applications, have been and are hereby sold, assigned, transferred, and delivered unto assignee, its successors and assigns by the undersigned; and it is covenanted and agreed by the undersigned, and for executors, administrators, and legal representatives of the undersigned, that at assignee's request any and all applications, affidavits, assignments, and other instruments will be made, executed, and delivered as may be necessary, or desirable to secure for or vest in assignee, its successors or assigns, any improvement, inventions, right, title, interest, application, patent, patent right or other right or property covered by this assignment, and the United States Commissioner of Patents and Trademarks is hereby requested and authorized to issue any and all United States patents granted on any of said applications to assignee as owner of the entire right, title, and interest in, to, and under the same, and appropriately empowered officials of foreign countries are hereby authorized to issue any letters patent granted on any of said applications to assignee as owner of the entire right, title and interest in, to, and under the same.

IN WITNESS WHEREOF, this declaration and assignment has been executed below by the undersigned:

Legal Name of Inventor: ASPAS PUERTOLAS, Jesus

| Signature of Inventor: | | |
|------------------------|--|--|
| Date: | | |
| Witness: | | |
| Witness: | | |

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Additional Inventor(s)

| Legal Name of Inventor: <u>COUDEYRE, Damien</u> |
|---|
| Signature of Inventor: |
| Date: |
| Witness: |
| Witness: |
| |
| Legal Name of Inventor: <u>FARGEOT, Sylvie</u> |
| Signature of Inventor: |
| Date: |
| Witness: |
| Witness: |
| |
| Legal Name of Inventor: SELLIER, ALexandre |
| Signature of Inventor: |
| Date: 90/02/2017 February 20, 2017 |
| Witness: N. HERBLIN |
| Witness: J. LAGUNA TOTAL |

Page 3 of 4

| Legal Name of Inventor: <u>DE LUSTRAC, André</u> |
|--|
| Signature of Inventor: |
| Date: |
| Witness: |
| Witness: |
| Legal Name of Inventor: PIAU, Gérard Pascai |
| Signature of Inventor: |
| Date: |
| Witness: |
| Witnaco |