506511927 02/18/2021

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT6558702

| SUBMISSION TYPE: | | NEW ASSIGNMENT | |
|--|-----------------------|--|------------------|
| NATURE OF CONVEYAN | ICE: | ASSIGNMENT | |
| CONVEYING PARTY DA | ATA | | |
| | | Name | Execution Date |
| NICOLAS FANTON | | | 01/31/2021 |
| LOUIS-THÉOPHILE THI | RION | | 01/31/2021 |
| RÉMY HOFF | | | 01/21/2021 |
| EMMANUEL COUTURIE | R | | 01/31/2021 |
| RECEIVING PARTY DA | ТА | | |
| Name: | SAFRA | N ELECTRONICS & DEFENSE | |
| Street Address: | 72-76 F | RUE HENRY FARMAN | |
| City: | PARIS | | |
| State/Country: | FRANC | CE | |
| Postal Code: | 75015 | | |
| PROPERTY NUMBERS | Total: 1 | | _ |
| | | | |
| Property Type Application Number: | | Number 17269451 | - |
| | | Number 17269451 | |
| Application Number: | | 17269451 | |
| Application Number: CORRESPONDENCE DA | | 17269451 (703)836-2787 | |
| Application Number: CORRESPONDENCE DA Fax Number: Correspondence will be | e sent to | 17269451 | |
| Application Number: CORRESPONDENCE DA Fax Number: Correspondence will be using a fax number, if p | e sent to provideo | 17269451 (703)836-2787 o the e-mail address first; if that is ur | |
| Application Number: CORRESPONDENCE D Fax Number: <i>Correspondence will be</i> <i>using a fax number, if p</i> Phone: Email: | e sent to provideo | 17269451 (703)836-2787 b the e-mail address first; if that is ur d; if that is unsuccessful, it will be se 703-836-6400 email@oliff.com | |
| Application Number: CORRESPONDENCE D Fax Number: Correspondence will be using a fax number, if p Phone: Email: Correspondent Name: | e sent to provideo | 17269451 (703)836-2787 5 the e-mail address first; if that is und; if that is unsuccessful, it will be se 703-836-6400 email@oliff.com R. BRIAN DROZD | |
| Application Number: CORRESPONDENCE D Fax Number: Correspondence will be using a fax number, if p Phone: Email: Correspondent Name: Address Line 1: | e sent to provideo | 17269451 (703)836-2787 b the e-mail address first; if that is ur d; if that is unsuccessful, it will be se 703-836-6400 email@oliff.com R. BRIAN DROZD OLIFF PLC | |
| Application Number: CORRESPONDENCE D Fax Number: Correspondence will be using a fax number, if p Phone: Email: Correspondent Name: Address Line 1: Address Line 2: | e sent to provideo | 17269451 (703)836-2787 D the e-mail address first; if that is und <i>j</i> if that is unsuccessful, it will be se 703-836-6400 email@oliff.com R. BRIAN DROZD OLIFF PLC P.O. BOX 320850 | |
| Application Number: CORRESPONDENCE D Fax Number: Correspondence will be using a fax number, if p Phone: Email: Correspondent Name: Address Line 1: Address Line 2: | e sent to provideo | 17269451 (703)836-2787 b the e-mail address first; if that is ur d; if that is unsuccessful, it will be se 703-836-6400 email@oliff.com R. BRIAN DROZD OLIFF PLC | |
| Application Number: CORRESPONDENCE D Fax Number: Correspondence will be using a fax number, if p Phone: Email: Correspondent Name: Address Line 1: Address Line 2: Address Line 4: ATTORNEY DOCKET NU | e sent to provideo | 17269451 (703)836-2787 b the e-mail address first; if that is ur d; if that is unsuccessful, it will be se 703-836-6400 email@oliff.com R. BRIAN DROZD OLIFF PLC P.O. BOX 320850 ALEXANDRIA, VIRGINIA 22320-4850 195355 | |
| Application Number: CORRESPONDENCE D Fax Number: Correspondence will be using a fax number, if p Phone: Email: Correspondent Name: Address Line 1: Address Line 2: Address Line 4: ATTORNEY DOCKET NU | e sent to provideo | 17269451 (703)836-2787 b the e-mail address first; if that is ur d; if that is unsuccessful, it will be se 703-836-6400 email@oliff.com R. BRIAN DROZD OLIFF PLC P.O. BOX 320850 ALEXANDRIA, VIRGINIA 22320-4850 | |
| Application Number: CORRESPONDENCE DA Fax Number: Correspondence will be using a fax number, if p Phone: Email: Correspondent Name: Address Line 1: Address Line 2: Address Line 4: ATTORNEY DOCKET NUNAME OF SUBMITTER: | e sent to provideo | 17269451 (703)836-2787 b the e-mail address first; if that is ur d; if that is unsuccessful, it will be se 703-836-6400 email@oliff.com R. BRIAN DROZD OLIFF PLC P.O. BOX 320850 ALEXANDRIA, VIRGINIA 22320-4850 195355 | ent via US Mail. |
| Application Number: CORRESPONDENCE DA Fax Number: Correspondence will be using a fax number, if p Phone: Email: Correspondent Name: Address Line 1: Address Line 2: | e sent to provideo | 17269451 (703)836-2787 b the e-mail address first; if that is ur d; if that is unsuccessful, it will be se 703-836-6400 email@oliff.com R. BRIAN DROZD OLIFF PLC P.O. BOX 320850 ALEXANDRIA, VIRGINIA 22320-4850 195355 I95355 KATIE HERNANDEZ /Katie Hernandez/ for R. Brian D 02/18/2021 | ent via US Mail. |
| Application Number: CORRESPONDENCE DA Fax Number: Correspondence will be using a fax number, if p Phone: Email: Correspondent Name: Address Line 1: Address Line 2: Address Line 2: Address Line 4: ATTORNEY DOCKET NU NAME OF SUBMITTER: SIGNATURE: | e sent to provideo | 17269451 (703)836-2787 b the e-mail address first; if that is un d; if that is unsuccessful, it will be se 703-836-6400 email@oliff.com R. BRIAN DROZD OLIFF PLC P.O. BOX 320850 ALEXANDRIA, VIRGINIA 22320-4850 195355 KATIE HERNANDEZ /Katie Hernandez/ for R. Brian D | ent via US Mail. |

source=195355#page1.tif source=195355#page2.tif source=195355#page3.tif source=195355#page4.tif

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 rame | Complete Address |
|--|---|
| Koff, Rémy | c/o Safran CEPI, rond-Point René Ravaud – Réau 77550 MOISSY-CRAMAYEL FRANCE |
| (Hereinafter referred to as the Assignor) | have made an invention entitled: |
| | |
| vise of a construct for congress? | |
| | |
| Title of invention (in French) | |
| | |
| | |
| for which an application for Letters Pater | |

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

| Country | rning Date | Serial Number |
|---------|------------|---------------|
| France | 09/03/2018 | 1857893 |
| | | |

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,

| prover a second second a second s | |
|--|------------------------|
| Corporation Nome | Complete Address |
| SAFRAN ELECTRONICS & DEFENSE | 72-76 rue Henry Farman |
| | 75015 PARIS (FR) |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | L |

[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 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 reexamination 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, prespective 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 |
|------------|-------------------------------------|---------------------------|--------------------------|
| Jan 21,201 | 1 100 avenue de Pail 31300 Dassy | Hoff, Rémy | Nocentie Sédande |

PATENT REEL: 055322 FRAME: 0638

Ref. SDS021225

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

| Thirion, Louis-Theophile | | | | | | | |
|---|-------------------|------------------|-------------------|-----------------|------------------|-------------|-----|
| | 3 | /o Safran CEPI, | . rond-Point René | Ravaud – Réau 7 | 7550 MOISSY-CRAM | AYEL FRANCE | |
| ereinafter referred to as the Assignor) |) have made an | invention entit | led: | | | ********** | |
| 'itle of Invention (in English) | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| itle of Invention (in French) | | | | | | | |
| | | | | | | | |
| | | | | | | | · · |
| ution an application for (attain B-1 | | • • • • • • • | | | | ····· | |
| which an application for Letters Pate | nt has been filed | t in the followi | ng country: | | | | |

| | France | 09/03/2018 | 1857893 | |
|----------|--------|------------|--|--|
| Ł | | | ************************************** | |
| <u>;</u> | | | • | |
| | | | | |

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 | |
|-------|------------------------------|------------------------|----------|
| | SAFRAN ELECTRONICS & DEFENSE | 72-76 rue Henry Farman | |
| | | 75015 PARIS (FR) | |
| | | | |
| 10000 | | | |
| | | | |
| | | | |
| | | | لتحبينهم |

(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 Assigner, have sold, assigned, transferred, and set over, and do hereby seil, 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 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 reexamination 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 & Signoture | Witness Name & Signature |
|---------------|--------|--|---|
| Jan 31 90 91 | Nassa. | Thirion, Losis-Theophile | DELVICLE Denis Jules Chaps |
| man any acced | | Community of the second s | |
| | × | terrent Christian | weiting and the second s |

Worldwide Assignment & US Declaration (37 CFR 1.63) for utility or design application using an application data sheet (37 CFR 1.76)

> PATENT REEL: 055322 FRAME: 0639

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

| Construction of the constr | | | | | |
|--|---|-------------------------------------|---------------|--|--|
| Inventor Name | Complete Address | | 7 | | |
| Couturler, Emmanuel | c/o Safran CEPI, rond-Point René Ravaud - | - Réau 77550 MOISSY-CRAMAYEL FRANCE | (4 74 | | |
| (Hereinafter referred to as the Assignor) have made an invention entitled: | | | | | |
| Title of Invention (in English) | | | 1 | | |
| | | | ~ | | |

| Title of Invention (in French) | | |
|--------------------------------|--------|------|
| | ****** | |
| | | |
| | | |
| | | |

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

| Country | Filing Date | Serial Nun | |
|------------|-------------|------------|--|
| France | 09/03/2018 | 1857893 | |
| | | | |

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 daimed invention in the application.

AND, WHEREAS,

| Corporation Name | Complete Address | |
|------------------------------|------------------------|---|
| SAFRAN ELECTRONICS & DEFENSE | 72-76 rue Henry Farman | |
| | 75015 PARIS (FR) | |
| | | |
| | | |
| | | |
| | | |
| | | John Martin Ma |

(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 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 soft 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 reexamination applications, make all rightful paths 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:

| 000000 | Date | Place | inventor Name & Signature | Witness Name & Signature |
|--------|------------|---------|---------------------------|--------------------------|
| | Jan 31,204 | use zny | Couturier, Emmanuel | Emand & www.cutivene |
| ŝ | | | | |

PATENT REEL: 055322 FRAME: 0640

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

| | 4.6.1. Jun 1.6.6. 1 | |
|--|---|----------------|
| inventor Name | Complete Address | ************** |
| Famon, Nicolas | c/o Safran CEPI, rond-Point René Ravaud Réau 77550 MOISSY-CRAMAYEL FRANCE | |
| | | |
| (Hereinafter referred to as the Assignor) have made an invention entitled: | | |

Title of Invention (in French)

Title of Invention (in English)

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

| Country | Filing Date | Serial Number | |
|---------|-------------|---------------|--|
| France | 09/03/2018 | 1857893 | |
| | | | |

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,

| Personation Manual | | |
|--|---|--|
| Corporation Nume | Complete Address | |
| SAFRAN ELECTRONICS & DEFENSE | 72-76 rue Henry Farman | |
| | 75015 PARIS (FR) | |
| | | |
| | | |
| 1 | | |
| | | |
| and the second | | |
| | | |
| | | |
| | | |
| | | |
| | Carried and the second s | |

(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 juccessors 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 Research and a second applications, and all applications for Letters Balent that man the second affect for this investion in any country and all Letters Parent that man the second affect for this investion in any country and all Letters Parent that man the second affect for this investion in any country and all Letters Parent that man the second affect for this investion in any country and all Letters Parent that man the second affect for this investion in any country and all Letters Parent that man the second affect for t may averaged numbers invention in any country, and all extensions, renewals, and request the commissioners of

Patron state of solar appropriate of solar whose duty is to issue patents) of the solaries State State State State and any other commery, to issue Latters Patent for this invention to the Assignen(s), hs/their successors and assigns, in accordance with the terms of this Assignment;

AND, THEREBY 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 MEREBY further covenant and agree that I will communicate with The Assignments, 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 reexamination 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 |
|---------------|--------|---------------------------|--------------------------|
| Jan. 31, 2021 | Eragny | Fanton, Nicolas | LIPANI, NICOLAS |
| | | | f |

PATENT REEL: 055322 FRAME: 0641

2

RECORDED: 02/18/2021