

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT6486943

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
DENIS PELENC	10/29/2020
XAVIER ZUCCHI	11/19/2020
CLAIRE VIALLE	09/25/2020
VALERIE GOUDON	09/25/2020
ABDELKADER ALIANE	09/28/2020
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	COMMISSARIAT A L'ENERGIE ATOMIQUE ET AUX ENERGIES ALTERNATIVES
<b>Street Address:</b>	BATIMENT LE PONANT D, 25 RUE LEBLANC
<b>City:</b>	PARIS
<b>State/Country:</b>	FRANCE
<b>Postal Code:</b>	75015
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	16969302
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(703)413-2220
<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>	(703) 413-3000
<b>Email:</b>	mwaller@oblon.com
<b>Correspondent Name:</b>	OBLON, ET AL.
<b>Address Line 1:</b>	1940 DUKE STREET
<b>Address Line 4:</b>	ALEXANDRIA, VIRGINIA 22314
<b>ATTORNEY DOCKET NUMBER:</b>	531777US
<b>NAME OF SUBMITTER:</b>	MELISSA WALLER
<b>SIGNATURE:</b>	/Melissa Waller/
<b>DATE SIGNED:</b>	01/08/2021
<b>Total Attachments: 10</b>	
source=531777US_Assignment#page1.tif	

source=531777US\_Assignment#page2.tif  
source=531777US\_Assignment#page3.tif  
source=531777US\_Assignment#page4.tif  
source=531777US\_Assignment#page5.tif  
source=531777US\_Assignment#page6.tif  
source=531777US\_Assignment#page7.tif  
source=531777US\_Assignment#page8.tif  
source=531777US\_Assignment#page9.tif  
source=531777US\_Assignment#page10.tif

## Assignment of Application

WHEREAS, I (WE)

**PELENC, Denis**

of C/O CEA GRENOBLE, 17, rue des Martyrs, 38054 Grenoble cedex 09, FR

**ZUCCHI, Xavier**

of C/O CEA GRENOBLE, 17, rue des Martyrs, 38054 Grenoble cedex 09, FR

**VIALLE, Claire**

of C/O CEA GRENOBLE, 17, rue des Martyrs, 38054 Grenoble cedex 09, FR

**GOUDON, Valérie**

of C/O CEA GRENOBLE, 17, rue des Martyrs, 38054 Grenoble cedex 09, FR

**ALIANE, Abdelkader**

of C/O CEA GRENOBLE, 17, rue des Martyrs, 38054 Grenoble cedex 09, FR

respectively, have invented certain new and useful improvements in

PROCESS FOR MANUFACTURING A MICROBOLOMETER CONTAINING VANADIUM OXIDE-BASED SENSITIVE MATERIAL

(Application No. PCT/FR2019/050327 , filed 14 February 2019 ), and

WHEREAS COMMISSARIAT À L'ÉNERGIE ATOMIQUE ET AUX ÉNERGIES ALTERNATIVES

(hereinafter referred to as "ASSIGNEE") having a place of business at:

Bâtiment le Ponant D, 25 rue Leblanc, 75015 PARIS, FR

are desirous of jointly acquiring interests in the entire right, title and interest in and to said invention and in and to any Letters Patent that may be granted therefore in the United States and its territorial possessions and in any and all foreign countries;

NOW, THEREFORE, in consideration of the sum of FIVE DOLLARS (\$5.00), the receipt whereof is hereby acknowledged, and for other good and valuable consideration, I (WE), by these presents do sell, assign and transfer unto said ASSIGNEES, the full and exclusive right to the said invention in the United States and its territorial possessions and in all foreign countries (including the right to claim priority under the terms of the International Convention and other relevant International Treaties and Arrangements from the aforesaid application(s)) and the entire right, title and interest in and to any and all Letters Patent which may be granted therefor in the United States and its territorial possessions and in any and all foreign countries and in and to any and all divisions, reissues, continuations, substitutions and renewals thereof.

I (WE) hereby authorize and request the Patent Office Officials in the United States and its territorial possessions and any and all foreign countries to issue any and all of said Letters Patent, when granted,

to said ASSIGNEES as the assignees of my (our) entire right, title and interest in and to the same, for the sole use and behoof of said ASSIGNEES, their successors and assigns, to the full end of the term for which said Letters Patent may be granted, as fully and entirely as the same would have been held by me (us) had this Assignment and sale not been made.

Further, I (WE) agree that I (WE) will communicate to said ASSIGNEES or their representatives any facts known to me (us) respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuation, substitute, renewal and reissue applications, execute all necessary assignment papers to cause any and all of said Letters Patent to be issued to said ASSIGNEES, make all rightful oaths, and, generally do everything possible to aid said ASSIGNEES, their successors and assigns, to obtain and enforce proper protection for said invention in the United States and its territorial possessions and in any and all foreign countries.

The undersigned hereby grant(s) the firm of Oblon, McClelland, Maier & Neustadt, L.L.P. of 1940 Duke Street, Alexandria, Virginia 22314 the power to insert on this assignment any further identification, including the application number and filing date, which may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document.

Date: 29<sup>th</sup> of October 2020

  
PELENC, Denis

Date: \_\_\_\_\_

\_\_\_\_\_  
ZUCCHI, Xavier

Date: \_\_\_\_\_

\_\_\_\_\_  
VIALLE, Claire

Date: \_\_\_\_\_

\_\_\_\_\_  
GOUDON, Valérie

Date: \_\_\_\_\_

\_\_\_\_\_  
ALIANE, Abdelkader

## Assignment of Application

WHEREAS, I (WE)

**PELENC, Denis**

of C/O CEA GRENOBLE, 17, rue des Martyrs, 38054 Grenoble cedex 09, FR

**ZUCCHI, Xavier**

of C/O CEA GRENOBLE, 17, rue des Martyrs, 38054 Grenoble cedex 09, FR

**VIALLE, Claire**

of C/O CEA GRENOBLE, 17, rue des Martyrs, 38054 Grenoble cedex 09, FR

**GOUDON, Valérie**

of C/O CEA GRENOBLE, 17, rue des Martyrs, 38054 Grenoble cedex 09, FR

**ALIANE, Abdelkader**

of C/O CEA GRENOBLE, 17, rue des Martyrs, 38054 Grenoble cedex 09, FR

respectively, have invented certain new and useful improvements in

PROCESS FOR MANUFACTURING A MICROBOLOMETER CONTAINING VANADIUM OXIDE-BASED SENSITIVE MATERIAL

(Application No. PCT/FR2019/050327 , filed 14 February 2019 ), and

WHEREAS, COMMISSARIAT À L'ÉNERGIE ATOMIQUE ET AUX ÉNERGIES ALTERNATIVES

(hereinafter referred to as "ASSIGNEE") having a place of business at:

Bâtiment le Ponant D, 25 rue Leblanc, 75015 PARIS, FR

are desirous of jointly acquiring interests in the entire right, title and interest in and to said invention and in and to any Letters Patent that may be granted therefore in the United States and its territorial possessions and in any and all foreign countries;

NOW, THEREFORE, in consideration of the sum of FIVE DOLLARS (\$5.00), the receipt whereof is hereby acknowledged, and for other good and valuable consideration, I (WE), by these presents do sell, assign and transfer unto said ASSIGNEES, the full and exclusive right to the said invention in the United States and its territorial possessions and in all foreign countries (including the right to claim priority under the terms of the International Convention and other relevant International Treaties and Arrangements from the aforesaid application(s)) and the entire right, title and interest in and to any and all Letters Patent which may be granted therefor in the United States and its territorial possessions and in any and all foreign countries and in and to any and all divisions, reissues, continuations, substitutions and renewals thereof.

I (WE) hereby authorize and request the Patent Office Officials in the United States and its territorial possessions and any and all foreign countries to issue any and all of said Letters Patent, when granted,

to said ASSIGNEES as the assignees of my (our) entire right, title and interest in and to the same, for the sole use and behoof of said ASSIGNEES, their successors and assigns, to the full end of the term for which said Letters Patent may be granted, as fully and entirely as the same would have been held by me (us) had this Assignment and sale not been made.

Further, I (WE) agree that I (WE) will communicate to said ASSIGNEES or their representatives any facts known to me (us) respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuation, substitute, renewal and reissue applications, execute all necessary assignment papers to cause any and all of said Letters Patent to be issued to said ASSIGNEES, make all rightful oaths, and, generally do everything possible to aid said ASSIGNEES, their successors and assigns, to obtain and enforce proper protection for said invention in the United States and its territorial possessions and in any and all foreign countries.

The undersigned hereby grant(s) the firm of Oblon, McClelland, Maier & Neustadt, L.L.P. of 1940 Duke Street, Alexandria, Virginia 22314 the power to insert on this assignment any further identification, including the application number and filing date, which may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document.

Date: \_\_\_\_\_

PELENC, Denis

Date: 13/11/2020

ZUCCHI, Xavier

**Xavier ZUCCHI**  
LETI/DPFT/SPAT  
Chef Labo Equipe 1

Date: \_\_\_\_\_

VIALLE, Claire

Date: \_\_\_\_\_

GOUDON, Valérie

Date: \_\_\_\_\_

ALIANE, Abdelkader

## Assignment of Application

WHEREAS, I (WE)

**PELENC, Denis**

of C/O CEA GRENOBLE, 17, rue des Martyrs, 38054 Grenoble cedex 09, FR

**ZUCCHI, Xavier**

of C/O CEA GRENOBLE, 17, rue des Martyrs, 38054 Grenoble cedex 09, FR

**VIALLE, Claire**

of C/O CEA GRENOBLE, 17, rue des Martyrs, 38054 Grenoble cedex 09, FR

**GOUDON, Valérie**

of C/O CEA GRENOBLE, 17, rue des Martyrs, 38054 Grenoble cedex 09, FR

**ALIANE, Abdelkader**

of C/O CEA GRENOBLE, 17, rue des Martyrs, 38054 Grenoble cedex 09, FR

respectively, have invented certain new and useful improvements in

PROCESS FOR MANUFACTURING A MICROBOLOMETER CONTAINING VANADIUM OXIDE-BASED SENSITIVE MATERIAL

(Application No. PCT/FR2019/050327, filed 14 February 2019), and

WHEREAS, COMMISSARIAT À L'ÉNERGIE ATOMIQUE ET AUX ÉNERGIES ALTERNATIVES

(hereinafter referred to as "ASSIGNEE") having a place of business at:

Bâtiment le Ponant D, 25 rue Leblanc, 75015 PARIS, FR

are desirous of jointly acquiring interests in the entire right, title and interest in and to said invention and in and to any Letters Patent that may be granted therefore in the United States and its territorial possessions and in any and all foreign countries;

NOW, THEREFORE, in consideration of the sum of FIVE DOLLARS (\$5.00), the receipt whereof is hereby acknowledged, and for other good and valuable consideration, I (WE), by these presents do sell, assign and transfer unto said ASSIGNEES, the full and exclusive right to the said invention in the United States and its territorial possessions and in all foreign countries (including the right to claim priority under the terms of the International Convention and other relevant International Treaties and Arrangements from the aforesaid application(s)) and the entire right, title and interest in and to any and all Letters Patent which may be granted therefor in the United States and its territorial possessions and in any and all foreign countries and in and to any and all divisions, reissues, continuations, substitutions and renewals thereof.

I (WE) hereby authorize and request the Patent Office Officials in the United States and its territorial possessions and any and all foreign countries to issue any and all of said Letters Patent, when granted,

to said ASSIGNEES as the assignees of my (our) entire right, title and interest in and to the same, for the sole use and behoof of said ASSIGNEES, their successors and assigns, to the full end of the term for which said Letters Patent may be granted, as fully and entirely as the same would have been held by me (us) had this Assignment and sale not been made.

Further, I (WE) agree that I (WE) will communicate to said ASSIGNEES or their representatives any facts known to me (us) respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuation, substitute, renewal and reissue applications, execute all necessary assignment papers to cause any and all of said Letters Patent to be issued to said ASSIGNEES, make all rightful oaths, and, generally do everything possible to aid said ASSIGNEES, their successors and assigns, to obtain and enforce proper protection for said invention in the United States and its territorial possessions and in any and all foreign countries.

The undersigned hereby grant(s) the firm of Oblon, McClelland, Maier & Neustadt, L.L.P. of 1940 Duke Street, Alexandria, Virginia 22314 the power to insert on this assignment any further identification, including the application number and filing date, which may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document.

Date: \_\_\_\_\_ PELENC, Denis

Date: \_\_\_\_\_ ZUCCHI, Xavier

Date: 25/09/2020 \_\_\_\_\_  
  
VIALLE, Claire

Date: \_\_\_\_\_ GOUDON, Valérie

Date: \_\_\_\_\_ ALIANE, Abdelkader



## Assignment of Application

WHEREAS, I (WE)

**PELENC, Denis**

of C/O CEA GRENOBLE, 17, rue des Martyrs, 38054 Grenoble cedex 09, FR

**ZUCCHI, Xavier**

of C/O CEA GRENOBLE, 17, rue des Martyrs, 38054 Grenoble cedex 09, FR

**VIALLE, Claire**

of C/O CEA GRENOBLE, 17, rue des Martyrs, 38054 Grenoble cedex 09, FR

**GOUDON, Valérie**

of C/O CEA GRENOBLE, 17, rue des Martyrs, 38054 Grenoble cedex 09, FR

**ALIANE, Abdelkader**

of C/O CEA GRENOBLE, 17, rue des Martyrs, 38054 Grenoble cedex 09, FR

respectively, have invented certain new and useful improvements in

PROCESS FOR MANUFACTURING A MICROBOLOMETER CONTAINING VANADIUM OXIDE-BASED SENSITIVE MATERIAL

(Application No. PCT/FR2019/050327 , filed 14 February 2019 ), and

WHEREAS, COMMISSARIAT À L'ÉNERGIE ATOMIQUE ET AUX ÉNERGIES ALTERNATIVES

(hereinafter referred to as "ASSIGNEE") having a place of business at:

Bâtiment le Ponant D, 25 rue Leblanc, 75015 PARIS, FR

are desirous of jointly acquiring interests in the entire right, title and interest in and to said invention and in and to any Letters Patent that may be granted therefore in the United States and its territorial possessions and in any and all foreign countries;

NOW, THEREFORE, in consideration of the sum of FIVE DOLLARS (\$5.00), the receipt whereof is hereby acknowledged, and for other good and valuable consideration, I (WE), by these presents do sell, assign and transfer unto said ASSIGNEES, the full and exclusive right to the said invention in the United States and its territorial possessions and in all foreign countries (including the right to claim priority under the terms of the International Convention and other relevant International Treaties and Arrangements from the aforesaid application(s)) and the entire right, title and interest in and to any and all Letters Patent which may be granted therefor in the United States and its territorial possessions and in any and all foreign countries and in and to any and all divisions, reissues, continuations, substitutions and renewals thereof.

I (WE) hereby authorize and request the Patent Office Officials in the United States and its territorial possessions and any and all foreign countries to issue any and all of said Letters Patent, when granted,

to said ASSIGNEES as the assignees of my (our) entire right, title and interest in and to the same, for the sole use and behoof of said ASSIGNEES, their successors and assigns, to the full end of the term for which said Letters Patent may be granted, as fully and entirely as the same would have been held by me (us) had this Assignment and sale not been made.

Further, I (WE) agree that I (WE) will communicate to said ASSIGNEES or their representatives any facts known to me (us) respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuation, substitute, renewal and reissue applications, execute all necessary assignment papers to cause any and all of said Letters Patent to be issued to said ASSIGNEES, make all rightful oaths, and, generally do everything possible to aid said ASSIGNEES, their successors and assigns, to obtain and enforce proper protection for said invention in the United States and its territorial possessions and in any and all foreign countries.

The undersigned hereby grant(s) the firm of Oblon, McClelland, Maier & Neustadt, L.L.P. of 1940 Duke Street, Alexandria, Virginia 22314 the power to insert on this assignment any further identification, including the application number and filing date, which may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document.

Date: \_\_\_\_\_  
PELENC, Denis

Date: \_\_\_\_\_  
ZUCCHI, Xavier

Date: \_\_\_\_\_  
VIALLE, Claire

Date: 25/09/2020 \_\_\_\_\_  
GOUDON, Valérie

Date: \_\_\_\_\_  
ALIANE, Abdelkader

## Assignment of Application

WHEREAS, I (WE)

**PELENC, Denis**

of C/O CEA GRENOBLE, 17, rue des Martyrs, 38054 Grenoble cedex 09, FR

**ZUCCHI, Xavier**

of C/O CEA GRENOBLE, 17, rue des Martyrs, 38054 Grenoble cedex 09, FR

**VIALLE, Claire**

of C/O CEA GRENOBLE, 17, rue des Martyrs, 38054 Grenoble cedex 09, FR

**GOUDON, Valérie**

of C/O CEA GRENOBLE, 17, rue des Martyrs, 38054 Grenoble cedex 09, FR

**ALIANE, Abdelkader**

of C/O CEA GRENOBLE, 17, rue des Martyrs, 38054 Grenoble cedex 09, FR

respectively, have invented certain new and useful improvements in

PROCESS FOR MANUFACTURING A MICROBOLOMETER CONTAINING VANADIUM OXIDE-BASED SENSITIVE MATERIAL

(Application No. PCT/FR2019/050327, filed 14 February 2019), and

WHEREAS, COMMISSARIAT À L'ÉNERGIE ATOMIQUE ET AUX ÉNERGIES ALTERNATIVES

(hereinafter referred to as "ASSIGNEE") having a place of business at:

Bâtiment le Ponant D, 25 rue Leblanc, 75015 PARIS, FR

are desirous of jointly acquiring interests in the entire right, title and interest in and to said invention and in and to any Letters Patent that may be granted therefore in the United States and its territorial possessions and in any and all foreign countries;

NOW, THEREFORE, in consideration of the sum of FIVE DOLLARS (\$5.00), the receipt whereof is hereby acknowledged, and for other good and valuable consideration, I (WE), by these presents do sell, assign and transfer unto said ASSIGNEES, the full and exclusive right to the said invention in the United States and its territorial possessions and in all foreign countries (including the right to claim priority under the terms of the International Convention and other relevant International Treaties and Arrangements from the aforesaid application(s)) and the entire right, title and interest in and to any and all Letters Patent which may be granted therefor in the United States and its territorial possessions and in any and all foreign countries and in and to any and all divisions, reissues, continuations, substitutions and renewals thereof.

I (WE) hereby authorize and request the Patent Office Officials in the United States and its territorial possessions and any and all foreign countries to issue any and all of said Letters Patent, when granted,

**PATENT**

**REEL: 054859 FRAME: 0540**

to said ASSIGNEES as the assignees of my (our) entire right, title and interest in and to the same, for the sole use and behoof of said ASSIGNEES, their successors and assigns, to the full end of the term for which said Letters Patent may be granted, as fully and entirely as the same would have been held by me (us) had this Assignment and sale not been made.

Further, I (WE) agree that I (WE) will communicate to said ASSIGNEES or their representatives any facts known to me (us) respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuation, substitute, renewal and reissue applications, execute all necessary assignment papers to cause any and all of said Letters Patent to be issued to said ASSIGNEES, make all rightful oaths, and, generally do everything possible to aid said ASSIGNEES, their successors and assigns, to obtain and enforce proper protection for said invention in the United States and its territorial possessions and in any and all foreign countries.

The undersigned hereby grant(s) the firm of Oblon, McClelland, Maier & Neustadt, L.L.P. of 1940 Duke Street, Alexandria, Virginia 22314 the power to insert on this assignment any further identification, including the application number and filing date, which may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document.

Date: \_\_\_\_\_  
PELENC, Denis

Date: \_\_\_\_\_  
ZUCCHI, Xavier

Date: \_\_\_\_\_  
VIALLE, Claire

Date: \_\_\_\_\_  
GOUDON, Valérie

Date: 28/09/2020  
ALIANE, Abdolkader