

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
Stylesheet Version v1.2

EPAS ID: PAT5977487

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT

**CONVEYING PARTY DATA**

Name	Execution Date
VINCENT SENEZ	01/22/2020
ALEXIS VLANDAS	02/06/2020
SEBASTIEN LAMANT	01/29/2020
BERNARD CATHALA	01/30/2020
CELINE MOREAU	01/22/2020
GABRIELLE VERONESE	01/30/2020
SOPHIE BOZONNET	01/28/2020
ELISABETH LAVILLE	01/22/2020
MEGANE CLERET	01/26/2020

**RECEIVING PARTY DATA**

<b>Name:</b>	UNIVERSITE DE LILLE
<b>Street Address:</b>	42, RUE PAUL DUEZ
<b>City:</b>	LILLE
<b>State/Country:</b>	FRANCE
<b>Postal Code:</b>	59800
<b>Name:</b>	CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE
<b>Street Address:</b>	3 RUE MICHEL ANGE
<b>City:</b>	PARIS
<b>State/Country:</b>	FRANCE
<b>Postal Code:</b>	75794
<b>Name:</b>	INSTITUT NATIONAL DE LA RECHERCHE AGRONOMIQUE
<b>Street Address:</b>	147, RUE DE L'UNIVERSITE
<b>City:</b>	PARIS
<b>State/Country:</b>	FRANCE
<b>Postal Code:</b>	75007
<b>Name:</b>	INSTITUTE NATIONAL DES SCIENCES APPLIQUEES DE TOULOUSE
<b>Street Address:</b>	135 AVENUE DE RANGUEIL
<b>City:</b>	TOULOUSE
<b>State/Country:</b>	FRANCE
<b>Postal Code:</b>	31077

PATENT

**PROPERTY NUMBERS Total: 1**

Property Type	Number
Application Number:	16618605

**CORRESPONDENCE DATA**

**Fax Number:** (704)332-1197

*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:** 7043750057

**Email:** agalo@shumaker.com

**Correspondent Name:** SHUMAKER, LOOP & KENDRICK, LLP

**Address Line 1:** 101 SOUTH TRYON STREET

**Address Line 2:** SUITE 2200

**Address Line 4:** CHARLOTTE, NORTH CAROLINA 28280-0002

<b>ATTORNEY DOCKET NUMBER:</b>	5289/68US
<b>NAME OF SUBMITTER:</b>	JASON A. SMITH
<b>SIGNATURE:</b>	/Jason A. Smith/
<b>DATE SIGNED:</b>	02/24/2020
	This document serves as an Oath/Declaration (37 CFR 1.63).

**Total Attachments: 18**

source=5289\_68US\_CombinedDec\_Assign#page1.tif  
source=5289\_68US\_CombinedDec\_Assign#page2.tif  
source=5289\_68US\_CombinedDec\_Assign#page3.tif  
source=5289\_68US\_CombinedDec\_Assign#page4.tif  
source=5289\_68US\_CombinedDec\_Assign#page5.tif  
source=5289\_68US\_CombinedDec\_Assign#page6.tif  
source=5289\_68US\_CombinedDec\_Assign#page7.tif  
source=5289\_68US\_CombinedDec\_Assign#page8.tif  
source=5289\_68US\_CombinedDec\_Assign#page9.tif  
source=5289\_68US\_CombinedDec\_Assign#page10.tif  
source=5289\_68US\_CombinedDec\_Assign#page11.tif  
source=5289\_68US\_CombinedDec\_Assign#page12.tif  
source=5289\_68US\_CombinedDec\_Assign#page13.tif  
source=5289\_68US\_CombinedDec\_Assign#page14.tif  
source=5289\_68US\_CombinedDec\_Assign#page15.tif  
source=5289\_68US\_CombinedDec\_Assign#page16.tif  
source=5289\_68US\_CombinedDec\_Assign#page17.tif  
source=5289\_68US\_CombinedDec\_Assign#page18.tif

Attorney Docket No.: 5289/68US

COMBINED DECLARATION AND ASSIGNMENT FOR UTILITY OR DESIGN APPLICATION	
Title of Invention	<b>OPTICAL DETECTION METHOD</b>
<b>DECLARATION</b>	
As the below named inventor, I hereby declare that:	
This declaration is directed to:	
<input type="checkbox"/> The attached application, or	
<input checked="" type="checkbox"/> United States application or PCT international application	
number <u>16/618,605</u> filed on <u>December 2, 2019</u>	
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 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.	
Note to Inventor: 37 C.F.R. § 1.63(c) states: "A person may not execute an oath or declaration for an application unless that person has reviewed and understands the contents of the application, including the claims, and is aware of the duty to disclose to the Office all information known to the person to be material to patentability as defined in § 1.56."	
<b>ASSIGNMENT</b>	
In consideration of the sum of One Dollar (\$1.00) and other good and valuable consideration paid, I hereby sell and assign to	
<u>Universite De Lille</u> (Name of Assignee)	
of <u>42, rue Paul Duez, Lille 59800 (FR)</u> (Address of Assignee)	
<u>Centre National De La Recherche Scientifique</u> (Name of Assignee)	
of <u>3 rue Michel Ange, Paris 75794 (FR)</u> (Address of Assignee)	
<u>Institut National De La Recherche Agronomique</u> (Name of Assignee)	
of <u>147, rue de l'Universite, Paris 75007 (FR)</u> (Address of Assignee)	
<u>Institut National Des Sciences Appliquees De Toulouse</u> (Name of Assignee)	
of <u>135 avenue de Rangueil, Toulouse 31077 (FR)</u> (Address of Assignee)	

SI, K, CHA/639337v1

(hereinafter designated as the Assignee) my entire right, title and interest for the United States as defined in 35 U.S.C. 100, for any invention set forth in the above-identified application.

I agree to execute all papers necessary in connection with this application for patent in the USPTO for the invention, and any continuation, divisional, or reissue applications thereof and also to execute separate assignments in connection with such applications as the Assignee may deem necessary or expedient.

I agree to execute all papers necessary in connection with any post-grant proceeding which may occur in connection with this application or continuation, divisional or reissue thereof and to cooperate with the Assignee in every way possible in obtaining evidence and going forward with such post-grant proceeding.

I agree to execute all papers and documents and perform any act which may be necessary in connection with claims or provisions of the International Convention for Protection of Industrial Property or similar agreements.

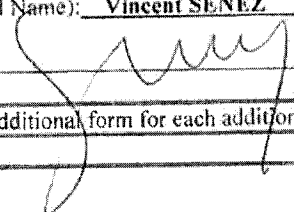
I agree to perform all affirmative acts which may be necessary to obtain a grant of a valid United States patent to the Assignee.

I hereby authorize and request the USPTO to issue any and all Letters Patents of the United States resulting from the application or any continuation, divisional or reissue applications thereof to the Assignee, as Assignee of my entire interest, and covenant that I have not executed, and will not execute, any agreement in conflict herewith.

I agree to transfer a like interest upon request of said ASSIGNEE, its successors, assigns, and legal representatives, and without further remuneration, in and to any improvements, and applications for patents based thereon, growing out of or related to the said invention.

I irrevocably appoint the ASSIGNEE or its designee, as ASSIGNOR's attorney-in-fact with authority to execute for ASSIGNOR, and on ASSIGNOR's behalf, any and all assignments, applications, or other instruments and documents required to be executed by ASSIGNOR, if ASSIGNOR is unwilling or unable to execute same for any reason. This appointment shall be deemed to be a power coupled with an interest, and as such, is irrevocable.

Inventor (Legal Name): Vincent SENEZ

Signature: 

Date: 22/04/2020

Note: Use an additional form for each additional inventor.

Attorney Docket No.: 5289/68US

COMBINED DECLARATION AND ASSIGNMENT FOR UTILITY OR DESIGN APPLICATION	
Title of Invention	<b>OPTICAL DETECTION METHOD</b>
<b>DECLARATION</b>	
As the below named inventor, I hereby declare that:	
This declaration is directed to:	
<input type="checkbox"/> The attached application, or	
<input checked="" type="checkbox"/> United States application or PCT international application	
number <u>16/618,605</u> filed on <u>December 2, 2019</u>	
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 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.	
Note to Inventor: 37 C.F.R. § 1.63(c) states: "A person may not execute an oath or declaration for an application unless that person has reviewed and understands the contents of the application, including the claims, and is aware of the duty to disclose to the Office all information known to the person to be material to patentability as defined in § 1.56."	
<b>ASSIGNMENT</b>	
In consideration of the sum of One Dollar (\$1.00) and other good and valuable consideration paid, I hereby sell and assign to	
<u>Universite De Lille</u>	
(Name of Assignee)	
of <u>42, rue Paul Duez, Lille 59800 (FR)</u>	
(Address of Assignee)	
<u>Centre National De La Recherche Scientifique</u>	
(Name of Assignee)	
of <u>3 rue Michel Ange, Paris 75794 (FR)</u>	
(Address of Assignee)	
<u>Institut National De La Recherche Agronomique</u>	
(Name of Assignee)	
of <u>147, rue de l'Universite, Paris 75007 (FR)</u>	
(Address of Assignee)	
<u>Institut National Des Sciences Appliquees De Toulouse</u>	
(Name of Assignee)	
of <u>135 avenue de Ranguel, Toulouse 31077 (FR)</u>	
(Address of Assignee)	

SLK\_CHA:#639337v1

(hereinafter designated as the Assignee) my entire right, title and interest for the United States as defined in 35 U.S.C. 100, for any invention set forth in the above-identified application.

I agree to execute all papers necessary in connection with this application for patent in the USPTO for the invention, and any continuation, divisional, or reissue applications thereof and also to execute separate assignments in connection with such applications as the Assignee may deem necessary or expedient.

I agree to execute all papers necessary in connection with any post-grant proceeding which may occur in connection with this application or continuation, divisional or reissue thereof and to cooperate with the Assignee in every way possible in obtaining evidence and going forward with such post-grant proceeding.

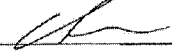
I agree to execute all papers and documents and perform any act which may be necessary in connection with claims or provisions of the International Convention for Protection of Industrial Property or similar agreements.  
I agree to perform all affirmative acts which may be necessary to obtain a grant of a valid United States patent to the Assignee.

I hereby authorize and request the USPTO to issue any and all Letters Patents of the United States resulting from the application or any continuation, divisional or reissue applications thereof to the Assignee, as Assignee of my entire interest, and covenant that I have not executed, and will not execute, any agreement in conflict herewith.

I agree to transfer a like interest upon request of said ASSIGNEE, its successors, assigns, and legal representatives, and without further remuneration, in and to any improvements, and applications for patents based thereon, growing out of or related to the said invention.

I irrevocably appoint the ASSIGNEE or its designee, as ASSIGNOR's attorney-in-fact with authority to execute for ASSIGNOR, and on ASSIGNOR's behalf, any and all assignments, applications, or other instruments and documents required to be executed by ASSIGNOR, if ASSIGNOR is unwilling or unable to execute same for any reason. This appointment shall be deemed to be a power coupled with an interest, and as such, is irrevocable.

Inventor (Legal Name): Alexis VLANDAS

Signature: 

Date: 06/02/2020

Note: Use an additional form for each additional inventor.

SLK\_CHA:#639337v1

Attorney Docket No.: 5289/68US

COMBINED DECLARATION AND ASSIGNMENT FOR UTILITY OR DESIGN APPLICATION	
Title of Invention	<b>OPTICAL DETECTION METHOD</b>
<b>DECLARATION</b>	
As the below named inventor, I hereby declare that:	
This declaration is directed to:	
<input type="checkbox"/> The attached application, or	
<input checked="" type="checkbox"/> United States application or PCT international application	
number <u>16/618,605</u> filed on <u>December 2, 2019</u>	
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 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.	
Note to Inventor: 37 C.F.R. § 1.63(c) states: "A person may not execute an oath or declaration for an application unless that person has reviewed and understands the contents of the application, including the claims, and is aware of the duty to disclose to the Office all information known to the person to be material to patentability as defined in § 1.56."	
<b>ASSIGNMENT</b>	
In consideration of the sum of One Dollar (\$1.00) and other good and valuable consideration paid, I hereby sell and assign to	
<u>Universite De Lille</u>	
(Name of Assignee)	
of <u>42, rue Paul Duez, Lille 59800 (FR)</u>	
(Address of Assignee)	
<u>Centre National De La Recherche Scientifique</u>	
(Name of Assignee)	
of <u>3 rue Michel Ange, Paris 75794 (FR)</u>	
(Address of Assignee)	
<u>Institut National De La Recherche Agronomique</u>	
(Name of Assignee)	
of <u>147, rue de l'Universite, Paris 75007 (FR)</u>	
(Address of Assignee)	
<u>Institut National Des Sciences Appliquees De Toulouse</u>	
(Name of Assignee)	
of <u>135 avenue de Rangueil, Toulouse 31077 (FR)</u>	
(Address of Assignee)	

SLK\_CHA#639337v1

(hereinafter designated as the Assignee) my entire right, title and interest for the United States as defined in 35 U.S.C. 100, for any invention set forth in the above-identified application.

I agree to execute all papers necessary in connection with this application for patent in the USPTO for the invention, and any continuation, divisional, or reissue applications thereof and also to execute separate assignments in connection with such applications as the Assignee may deem necessary or expedient.

I agree to execute all papers necessary in connection with any post-grant proceeding which may occur in connection with this application or continuation, divisional or reissue thereof and to cooperate with the Assignee in every way possible in obtaining evidence and going forward with such post-grant proceeding.


I agree to execute all papers and documents and perform any act which may be necessary in connection with claims or provisions of the International Convention for Protection of Industrial Property or similar agreements.  
I agree to perform all affirmative acts which may be necessary to obtain a grant of a valid United States patent to the Assignee.

I hereby authorize and request the USPTO to issue any and all Letters Patents of the United States resulting from the application or any continuation, divisional or reissue applications thereof to the Assignee, as Assignee of my entire interest, and covenant that I have not executed, and will not execute, any agreement in conflict herewith.

I agree to transfer a like interest upon request of said ASSIGNEE, its successors, assigns, and legal representatives, and without further remuneration, in and to any improvements, and applications for patents based thereon, growing out of or related to the said invention.

I irrevocably appoint the ASSIGNEE or its designee, as ASSIGNOR's attorney-in-fact with authority to execute for ASSIGNOR, and on ASSIGNOR's behalf, any and all assignments, applications, or other instruments and documents required to be executed by ASSIGNOR, if ASSIGNOR is unwilling or unable to execute same for any reason. This appointment shall be deemed to be a power coupled with an interest, and as such, is irrevocable.

Inventor (Legal Name): Sebastien LAMANT

Signature: 

Date: 8/01/2020

Note: Use an additional form for each additional inventor.



Attorney Docket No.: 5289/68US

**COMBINED DECLARATION AND ASSIGNMENT  
FOR UTILITY OR DESIGN APPLICATION**

Title of  
Invention

**OPTICAL DETECTION METHOD**

**DECLARATION**

As the below named inventor, I hereby declare that:

This declaration  
is directed to:

- The attached application, or  
 United States application or PCT international application  
number 16/618.605 filed on December 2, 2019

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 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.

Note to Inventor: 37 C.F.R. § 1.63(c) states: "A person may not execute an oath or declaration for an application unless that person has reviewed and understands the contents of the application, including the claims, and is aware of the duty to disclose to the Office all information known to the person to be material to patentability as defined in § 1.56."

**ASSIGNMENT**

In consideration of the sum of One Dollar (\$1.00) and other good and valuable consideration paid, I hereby sell and assign to

Universite De Lille

(Name of Assignee)

of 42, rue Paul Duez, Lille 59800 (FR)

(Address of Assignee)

Centre National De La Recherche Scientifique

(Name of Assignee)

of 3 rue Michel Ange, Paris 75794 (FR)

(Address of Assignee)

Institut National De La Recherche Agronomique

(Name of Assignee)

of 147, rue de l'Universite, Paris 75007 (FR)

(Address of Assignee)

Institut National Des Sciences Appliquees De Toulouse

(Name of Assignee)

of 135 avenue de Rangueil, Toulouse 31077 (FR)

(Address of Assignee)

SLK\_CHA:#639337v1

**PATENT  
REEL: 051899 FRAME: 0272**

(hereinafter designated as the Assignee) my entire right, title and interest for the United States as defined in 35 U.S.C. 100, for any invention set forth in the above-identified application.

I agree to execute all papers necessary in connection with this application for patent in the USPTO for the invention, and any continuation, divisional, or reissue applications thereof and also to execute separate assignments in connection with such applications as the Assignee may deem necessary or expedient.

I agree to execute all papers necessary in connection with any post-grant proceeding which may occur in connection with this application or continuation, divisional or reissue thereof and to cooperate with the Assignee in every way possible in obtaining evidence and going forward with such post-grant proceeding.

I agree to execute all papers and documents and perform any act which may be necessary in connection with claims or provisions of the International Convention for Protection of Industrial Property or similar agreements.  
I agree to perform all affirmative acts which may be necessary to obtain a grant of a valid United States patent to the Assignee.

I hereby authorize and request the USPTO to issue any and all Letters Patents of the United States resulting from the application or any continuation, divisional or reissue applications thereof to the Assignee, as Assignee of my entire interest, and covenant that I have not executed, and will not execute, any agreement in conflict herewith.

I agree to transfer a like interest upon request of said ASSIGNEE, its successors, assigns, and legal representatives, and without further remuneration, in and to any improvements, and applications for patents based thereon, growing out of or related to the said invention.

I irrevocably appoint the ASSIGNEE or its designee, as ASSIGNOR's attorney-in-fact with authority to execute for ASSIGNOR, and on ASSIGNOR's behalf, any and all assignments, applications, or other instruments and documents required to be executed by ASSIGNOR, if ASSIGNOR is unwilling or unable to execute same for any reason. This appointment shall be deemed to be a power coupled with an interest, and as such, is irrevocable.

Inventor (Legal Name): Bernard CATHALA

Signature: \_\_\_\_\_

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

30/01/2020

Note: Use an additional form for each additional inventor.

**COMBINED DECLARATION AND ASSIGNMENT  
FOR UTILITY OR DESIGN APPLICATION**

Title of  
Invention

**OPTICAL DETECTION METHOD**

**DECLARATION**

As the below named inventor, I hereby declare that:

This declaration  
is directed to:

- The attached application, or
- United States application or PCT international application  
number 16/618,605 filed on December 2, 2019

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 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.

Note to Inventor: 37 C.F.R. § 1.63(c) states: "A person may not execute an oath or declaration for an application unless that person has reviewed and understands the contents of the application, including the claims, and is aware of the duty to disclose to the Office all information known to the person to be material to patentability as defined in § 1.56."

**ASSIGNMENT**

In consideration of the sum of One Dollar (\$1.00) and other good and valuable consideration paid, I hereby sell and assign to

**Universite De Lille**

(Name of Assignee)

of **42, rue Paul Duez, Lille 59800 (FR)**

(Address of Assignee)

**Centre National De La Recherche Scientifique**

(Name of Assignee)

of **3 rue Michel Ange, Paris 75794 (FR)**

(Address of Assignee)

**Institut National De La Recherche Agronomique**

(Name of Assignee)

of **147, rue de l'Universite, Paris 75007 (FR)**

(Address of Assignee)

**Institut National Des Sciences Appliquees De Toulouse**

(Name of Assignee)

of **135 avenue de Rangueil, Toulouse 31077 (FR)**

(Address of Assignee)

(hereinafter designated as the Assignee) my entire right, title and interest for the United States as defined in 35 U.S.C. 100, for any invention set forth in the above-identified application.

I agree to execute all papers necessary in connection with this application for patent in the USPTO for the invention, and any continuation, divisional, or reissue applications thereof and also to execute separate assignments in connection with such applications as the Assignee may deem necessary or expedient.

I agree to execute all papers necessary in connection with any post-grant proceeding which may occur in connection with this application or continuation, divisional or reissue thereof and to cooperate with the Assignee in every way possible in obtaining evidence and going forward with such post-grant proceeding.


I agree to execute all papers and documents and perform any act which may be necessary in connection with claims or provisions of the International Convention for Protection of Industrial Property or similar agreements.  
I agree to perform all affirmative acts which may be necessary to obtain a grant of a valid United States patent to the Assignee.

I hereby authorize and request the USPTO to issue any and all Letters Patents of the United States resulting from the application or any continuation, divisional or reissue applications thereof to the Assignee, as Assignee of my entire interest, and covenant that I have not executed, and will not execute, any agreement in conflict herewith.

I agree to transfer a like interest upon request of said ASSIGNEE, its successors, assigns, and legal representatives, and without further remuneration, in and to any improvements, and applications for patents based thereon, growing out of or related to the said invention.

I irrevocably appoint the ASSIGNEE or its designee, as ASSIGNOR's attorney-in-fact with authority to execute for ASSIGNOR, and on ASSIGNOR's behalf, any and all assignments, applications, or other instruments and documents required to be executed by ASSIGNOR, if ASSIGNOR is unwilling or unable to execute same for any reason. This appointment shall be deemed to be a power coupled with an interest, and as such, is irrevocable.

Inventor (Legal Name): Celine MOREAU

Signature:  Date: 22/01/2020

Note: Use an additional form for each additional inventor.

<b>COMBINED DECLARATION AND ASSIGNMENT FOR UTILITY OR DESIGN APPLICATION</b>	
Title of Invention	<b>OPTICAL DETECTION METHOD</b>
<b>DECLARATION</b>	
As the below named inventor, I hereby declare that:	
This declaration is directed to:	
<input type="checkbox"/>	The attached application, or
<input checked="" type="checkbox"/>	United States application or PCT international application
number <u>16/618,605</u> filed on <u>December 2, 2019</u>	
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 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.	
Note to Inventor: 37 C.F.R. § 1.63(c) states: "A person may not execute an oath or declaration for an application unless that person has reviewed and understands the contents of the application, including the claims, and is aware of the duty to disclose to the Office all information known to the person to be material to patentability as defined in § 1.56."	
<b>ASSIGNMENT</b>	
In consideration of the sum of One Dollar (\$1.00) and other good and valuable consideration paid, I hereby sell and assign to	
<u>Universite De Lille</u>	
(Name of Assignee)	
of <u>42, rue Paul Duez, Lille 59800 (FR)</u>	
(Address of Assignee)	
<u>Centre National De La Recherche Scientifique</u>	
(Name of Assignee)	
of <u>3 rue Michel Ange, Paris 75794 (FR)</u>	
(Address of Assignee)	
<u>Institut National De La Recherche Agronomique</u>	
(Name of Assignee)	
of <u>147, rue de l'Universite, Paris 75007 (FR)</u>	
(Address of Assignee)	
<u>Institut National Des Sciences Appliquees De Toulouse</u>	
(Name of Assignee)	
of <u>135 avenue de Ranguel, Toulouse 31077 (FR)</u>	
(Address of Assignee)	

(hereinafter designated as the Assignee) my entire right, title and interest for the United States as defined in 35 U.S.C. 100, for any invention set forth in the above-identified application.

I agree to execute all papers necessary in connection with this application for patent in the USPTO for the invention, and any continuation, divisional, or reissue applications thereof and also to execute separate assignments in connection with such applications as the Assignee may deem necessary or expedient.

I agree to execute all papers necessary in connection with any post-grant proceeding which may occur in connection with this application or continuation, divisional or reissue thereof and to cooperate with the Assignee in every way possible in obtaining evidence and going forward with such post-grant proceeding.

I agree to execute all papers and documents and perform any act which may be necessary in connection with claims or provisions of the International Convention for Protection of Industrial Property or similar agreements. I agree to perform all affirmative acts which may be necessary to obtain a grant of a valid United States patent to the Assignee.

I hereby authorize and request the USPTO to issue any and all Letters Patents of the United States resulting from the application or any continuation, divisional or reissue applications thereof to the Assignee, as Assignee of my entire interest, and covenant that I have not executed, and will not execute, any agreement in conflict herewith.

I agree to transfer a like interest upon request of said ASSIGNEE, its successors, assigns, and legal representatives, and without further remuneration, in and to any improvements, and applications for patents based thereon, growing out of or related to the said invention.

I irrevocably appoint the ASSIGNEE or its designee, as ASSIGNOR's attorney-in-fact with authority to execute for ASSIGNOR, and on ASSIGNOR's behalf, any and all assignments, applications, or other instruments and documents required to be executed by ASSIGNOR, if ASSIGNOR is unwilling or unable to execute same for any reason. This appointment shall be deemed to be a power coupled with an interest, and as such, is irrevocable.

Inventor (Legal Name): Gabrielle VERONESE

Signature: \_\_\_\_\_



Date: 30/01/20

Note: Use an additional form for each additional inventor.

Attorney Docket No.: 5289/68US

<b>COMBINED DECLARATION AND ASSIGNMENT FOR UTILITY OR DESIGN APPLICATION</b>	
Title of Invention	<b>OPTICAL DETECTION METHOD</b>
<b>DECLARATION</b>	
As the below named inventor, I hereby declare that:	
This declaration is directed to:	
<input type="checkbox"/> The attached application, or	
<input checked="" type="checkbox"/> United States application or PCT international application	
number <u>16/618.605</u> filed on <u>December 2, 2019</u>	
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 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.	
Note to Inventor: 37 C.F.R. § 1.63(c) states: "A person may not execute an oath or declaration for an application unless that person has reviewed and understands the contents of the application, including the claims, and is aware of the duty to disclose to the Office all information known to the person to be material to patentability as defined in § 1.56."	
<b>ASSIGNMENT</b>	
In consideration of the sum of One Dollar (\$1.00) and other good and valuable consideration paid, I hereby sell and assign to	
<u>Universite De Lille</u>	
(Name of Assignee)	
<u>of 42, rue Paul Duez, Lille 59800 (FR)</u>	
(Address of Assignee)	
<u>Centre National De La Recherche Scientifique</u>	
(Name of Assignee)	
<u>of 3 rue Michel Ange, Paris 75794 (FR)</u>	
(Address of Assignee)	
<u>Institut National De La Recherche Agronomique</u>	
(Name of Assignee)	
<u>of 147, rue de l'Universite, Paris 75007 (FR)</u>	
(Address of Assignee)	
<u>Institut National Des Sciences Appliquees De Toulouse</u>	
(Name of Assignee)	
<u>of 135 avenue de Ranguel, Toulouse 31077 (FR)</u>	
(Address of Assignee)	

SLK\_CHA:#639337v1

(hereinafter designated as the Assignee) my entire right, title and interest for the United States as defined in 35 U.S.C. 100, for any invention set forth in the above-identified application.

I agree to execute all papers necessary in connection with this application for patent in the USPTO for the invention, and any continuation, divisional, or reissue applications thereof and also to execute separate assignments in connection with such applications as the Assignee may deem necessary or expedient.

I agree to execute all papers necessary in connection with any post-grant proceeding which may occur in connection with this application or continuation, divisional or reissue thereof and to cooperate with the Assignee in every way possible in obtaining evidence and going forward with such post-grant proceeding.

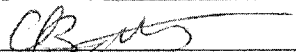
I agree to execute all papers and documents and perform any act which may be necessary in connection with claims or provisions of the International Convention for Protection of Industrial Property or similar agreements.  
I agree to perform all affirmative acts which may be necessary to obtain a grant of a valid United States patent to the Assignee.

I hereby authorize and request the USPTO to issue any and all Letters Patents of the United States resulting from the application or any continuation, divisional or reissue applications thereof to the Assignee, as Assignee of my entire interest, and covenant that I have not executed, and will not execute, any agreement in conflict herewith.

I agree to transfer a like interest upon request of said ASSIGNEE, its successors, assigns, and legal representatives, and without further remuneration, in and to any improvements, and applications for patents based thereon, growing out of or related to the said invention.

I irrevocably appoint the ASSIGNEE or its designee, as ASSIGNOR's attorney-in-fact with authority to execute for ASSIGNOR, and on ASSIGNOR's behalf, any and all assignments, applications, or other instruments and documents required to be executed by ASSIGNOR, if ASSIGNOR is unwilling or unable to execute same for any reason. This appointment shall be deemed to be a power coupled with an interest, and as such, is irrevocable.

Inventor (Legal Name): **Sophie BOZONNET**

Signature:  Date: 28-01-2020

Note: Use an additional form for each additional inventor.



Attorney Docket No.: 5289/68US

COMBINED DECLARATION AND ASSIGNMENT FOR UTILITY OR DESIGN APPLICATION	
Title of Invention	<b>OPTICAL DETECTION METHOD</b>
<b>DECLARATION</b>	
As the below named inventor, I hereby declare that:	
This declaration is directed to:	
<input type="checkbox"/> The attached application, or	
<input checked="" type="checkbox"/> United States application or PCT international application	
number <u>16/618,605</u> filed on <u>December 2, 2019</u>	
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 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.	
Note to Inventor: 37 C.F.R. § 1.63(c) states: "A person may not execute an oath or declaration for an application unless that person has reviewed and understands the contents of the application, including the claims, and is aware of the duty to disclose to the Office all information known to the person to be material to patentability as defined in § 1.56."	
<b>ASSIGNMENT</b>	
In consideration of the sum of One Dollar (\$1.00) and other good and valuable consideration paid, I hereby sell and assign to	
<u>Universite De Lille</u>	
(Name of Assignee)	
of <u>42, rue Paul Duez, Lille 59800 (FR)</u>	
(Address of Assignee)	
<u>Centre National De La Recherche Scientifique</u>	
(Name of Assignee)	
of <u>3 rue Michel Ange, Paris 75794 (FR)</u>	
(Address of Assignee)	
<u>Institut National De La Recherche Agronomique</u>	
(Name of Assignee)	
of <u>147, rue de l'Universite, Paris 75007 (FR)</u>	
(Address of Assignee)	
<u>Institut National Des Sciences Appliquees De Toulouse</u>	
(Name of Assignee)	
of <u>135 avenue de Rangueil, Toulouse 31077 (FR)</u>	
(Address of Assignee)	

SLK\_CHA:#639337v1

(hereinafter designated as the Assignee) my entire right, title and interest for the United States as defined in 35 U.S.C. 100, for any invention set forth in the above-identified application.

I agree to execute all papers necessary in connection with this application for patent in the USPTO for the invention, and any continuation, divisional, or reissue applications thereof and also to execute separate assignments in connection with such applications as the Assignee may deem necessary or expedient.

I agree to execute all papers necessary in connection with any post-grant proceeding which may occur in connection with this application or continuation, divisional or reissue thereof and to cooperate with the Assignee in every way possible in obtaining evidence and going forward with such post-grant proceeding.

I agree to execute all papers and documents and perform any act which may be necessary in connection with claims or provisions of the International Convention for Protection of Industrial Property or similar agreements.  
I agree to perform all affirmative acts which may be necessary to obtain a grant of a valid United States patent to the Assignee.

I hereby authorize and request the USPTO to issue any and all Letters Patents of the United States resulting from the application or any continuation, divisional or reissue applications thereof to the Assignee, as Assignee of my entire interest, and covenant that I have not executed, and will not execute, any agreement in conflict herewith.

I agree to transfer a like interest upon request of said ASSIGNEE, its successors, assigns, and legal representatives, and without further remuneration, in and to any improvements, and applications for patents based thereon, growing out of or related to the said invention.

I irrevocably appoint the ASSIGNEE or its designee, as ASSIGNOR's attorney-in-fact with authority to execute for ASSIGNOR, and on ASSIGNOR's behalf, any and all assignments, applications, or other instruments and documents required to be executed by ASSIGNOR, if ASSIGNOR is unwilling or unable to execute same for any reason. This appointment shall be deemed to be a power coupled with an interest, and as such, is irrevocable.

Inventor (Legal Name): Elisabeth LAVILLE

Signature:  Date: 22/01/2020

Note: Use an additional form for each additional inventor.

<b>COMBINED DECLARATION AND ASSIGNMENT FOR UTILITY OR DESIGN APPLICATION</b>	
<b>Title of Invention</b>	<b>OPTICAL DETECTION METHOD</b>
<b>DECLARATION</b>	
As the below named inventor, I hereby declare that:	
This declaration is directed to:	
<input type="checkbox"/> The attached application, or	
<input checked="" type="checkbox"/> United States application or PCT international application	
number <u>16/618,605</u> filed on <u>December 2, 2019</u>	
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 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.	
Note to Inventor: 37 C.F.R. § 1.63(c) states: "A person may not execute an oath or declaration for an application unless that person has reviewed and understands the contents of the application, including the claims, and is aware of the duty to disclose to the Office all information known to the person to be material to patentability as defined in § 1.56."	
<b>ASSIGNMENT</b>	
In consideration of the sum of One Dollar (\$1.00) and other good and valuable consideration paid, I hereby sell and assign to	
<u>Universite De Lille</u>	
(Name of Assignee)	
of <u>42, rue Paul Duez, Lille 59800 (FR)</u>	
(Address of Assignee)	
<u>Centre National De La Recherche Scientifique</u>	
(Name of Assignee)	
of <u>3 rue Michel Ange, Paris 75794 (FR)</u>	
(Address of Assignee)	
<u>Institut National De La Recherche Agronomique</u>	
(Name of Assignee)	
of <u>147, rue de l'Universite, Paris 75007 (FR)</u>	
(Address of Assignee)	
<u>Institut National Des Sciences Appliquees De Toulouse</u>	
(Name of Assignee)	
of <u>135 avenue de Ranguell, Toulouse 31077 (FR)</u>	
(Address of Assignee)	

(hereinafter designated as the Assignee) my entire right, title and interest for the United States as defined in 35 U.S.C. 100, for any invention set forth in the above-identified application.

I agree to execute all papers necessary in connection with this application for patent in the USPTO for the invention, and any continuation, divisional, or reissue applications thereof and also to execute separate assignments in connection with such applications as the Assignee may deem necessary or expedient.

I agree to execute all papers necessary in connection with any post-grant proceeding which may occur in connection with this application or continuation, divisional or reissue thereof and to cooperate with the Assignee in every way possible in obtaining evidence and going forward with such post-grant proceeding.

I agree to execute all papers and documents and perform any act which may be necessary in connection with claims or provisions of the International Convention for Protection of Industrial Property or similar agreements.  
I agree to perform all affirmative acts which may be necessary to obtain a grant of a valid United States patent to the Assignee.

I hereby authorize and request the USPTO to issue any and all Letters Patents of the United States resulting from the application or any continuation, divisional or reissue applications thereof to the Assignee, as Assignee of my entire interest, and covenant that I have not executed, and will not execute, any agreement in conflict herewith.

I agree to transfer a like interest upon request of said ASSIGNEE, its successors, assigns, and legal representatives, and without further remuneration, in and to any improvements, and applications for patents based thereon, growing out of or related to the said invention.

I irrevocably appoint the ASSIGNEE or its designee, as ASSIGNOR's attorney-in-fact with authority to execute for ASSIGNOR, and on ASSIGNOR's behalf, any and all assignments, applications, or other instruments and documents required to be executed by ASSIGNOR, if ASSIGNOR is unwilling or unable to execute same for any reason. This appointment shall be deemed to be a power coupled with an interest, and as such, is irrevocable.

Inventor (Legal Name): Megane CLERET

Signature: \_\_\_\_\_



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

2020-04-26

Note: Use an additional form for each additional inventor.