#### 504531117 09/01/2017

### PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2

EPAS ID: PAT4577823

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

#### **CONVEYING PARTY DATA**

Name	Execution Date
KARIM HASSAN	07/04/2017
DAIVID FOWLER	07/27/2017
CHRISTOPHE KOPP	07/05/2017
BERTRAND SZELAG	07/04/2017

#### **RECEIVING PARTY DATA**

Name:	COMMISSARIAT A L'ENERGIE ATOMIQUE ET AUX ENERGIES ALTERNATIVES
Street Address:	BATIMENT LE PONANT D, 25 RUE LEBLANC
City:	PARIS
State/Country:	FRANCE
Postal Code:	75015

#### **PROPERTY NUMBERS Total: 1**

Property Type	Number
Application Number:	15660183

#### **CORRESPONDENCE DATA**

(703)413-2220 Fax Number:

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.

(703) 413-3000 Phone: Email: knewett@oblon.com **Correspondent Name:** OBLON, ET AL. Address Line 1: 1940 DUKE STREET

Address Line 4: ALEXANDRIA, VIRGINIA 22314

ATTORNEY DOCKET NUMBER:	505001US
NAME OF SUBMITTER:	KRISTIN NEWETT
SIGNATURE:	/Kristin Newett/
DATE SIGNED:	09/01/2017
	This document serves as an Oath/Declaration (37 CFR 1.63).

**Total Attachments: 4** 

source=505001USASSIGNMENT#page1.tif

source=505001USASSIGNMENT#page2.tif source=505001USASSIGNMENT#page3.tif source=505001USASSIGNMENT#page4.tif

# DECLARATION (37 CFR 1.63) FOR UTILITY OR DESIGN APPLICATION USING AN APPLICATION DATA SHEET (37 CFR 1.76) AND ASSIGNMENT FOR SINGLE ASSIGNEE

Title of METHOD FOR MANUFACTURING A GERMANIUM SLOW LIGHT WAVEGUIDE AND PHOTODIODE INCORPORATING THIS SLOW LIGHT WAVEGUIDE
As the below named inventor, I hereby declare that:
This declaration 🖂 The attached application, or
is directed to: United States application or PCT international application number
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.
WHEREAS. Commissariat A L'Energie Atomique et aux Energies Alternatives (hereinafter referred to as "ASSIGNEE") having places of business at: <u>Batiment Le Ponant D. 25 Rue Leblanc</u> , Paris, 75015, France, is desirous of acquiring 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, by these presents do sell, assign and transfer unto said ASSIGNEE, 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) 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 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 ASSIGNEE as the assignee of my entire right, title and interest in and to the same, for the sole use and behoof of said ASSIGNEE, its (his) 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 had this Assignment and sale not been made.
Further, I agree that I will communicate to said ASSIGNEE or its (his) representatives any facts known to me 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 ASSIGNEE, make all rightful oaths, and, generally do everything possible to aid said ASSIGNEE, its (his) 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.
I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1901 by fine or imprisonment of not more than five (5) years, or both.
LEGAL NAME OF INVENTOR
Inventor: Karim HASSAN Date: 04/07/20/7
Signature:

OBLON, McCLELLAND, MAIER & NEUSTADT, L.L.P.

ATTORNEYS AT LAW 1940 DUKE STREET ALEXANDRIA, VIRGINIA 22314

### DECLARATION (37 CFR 1.63) FOR UTILITY OR DESIGN APPLICATION USING AN APPLICATION DATA SHEET (37 CFR 1.76) AND ASSIGNMENT FOR SINGLE ASSIGNEE

· · · · · · · · · · · · · · · · · · ·	IETHOD FOR MANUFACTURING A GERMANIUM SLOW LIGHT
	AVEGUIDE AND PHOTODIODE INCORPORATING THIS SLOW LIGHT
	/AVEGUIDE
As the below named in	iventor, I hereby declare that:
This declaration 🖾 T	he attached application, or
	Inited States application or PCT international application number
The above-identified a	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.
	issariat A l'Energie Atomique et aux Energies Alternatives
Paris, 75015, France,	o as "ASSIGNEE") having places of business at: <u>Batiment Le Ponant D. 25 Rue Leblanc</u> , is desirous of acquiring the entire right, title and interest in and to said invention and in and to may be granted therefore in the United States and its territorial possessions and in any and all
acknowledged, and fo said ASSIGNEE, the t and in all foreign cour other relevant Internat interest in and to any	RE, in consideration of the sum of FIVE DOLLARS (\$5.00), the receipt whereof is hereby to other good and valuable consideration, I, by these presents do sell, assign and transfer unto full and exclusive right to the said invention in the United States and its territorial possessions strices (including the right to claim priority under the terms of the international Convention and iconal Treaties and Arrangements from the aforesaid application) and the entire right, title and and all Letters Patent which may be granted therefor in the United States and its territorial my and all foreign countries and in and to any and all divisions, reissues, continuations, wals thereof.
any and all foreign co assignee of my entire (his) successors and a	and request the Patent Office Officials in the United States and its territorial possessions and puntries to issue any and all of said Letters Patent, when granted, to said ASSIGNEE as the right, title and interest in and to the same, for the sole use and behoof of said ASSIGNEE, its ssigns, to the full end of the term for which said Letters Patent may be granted, as fully and ould have been held by me had this Assignment and sale not been made.
respecting said inven- continuation, substitut- all of said Letters Par- possible to aid said A	at I will communicate to said ASSIGNEE or its (his) representatives any facts known to me ation, and testify in any legal proceeding, sign all lawful papers, execute all divisional, e, renewal and reissue applications, execute all necessary assignment papers to cause any and tent to be issued to said ASSIGNEE, make all rightful oaths, and, generally do everything aSSIGNEE, its (his) successors and assigns, to obtain and enforce proper protection for said all states and its territorial possessions and in any and all foreign countries.
	dge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 at of not more than five (5) years, or both.
LEGAL NAME OF IT	VENTOR
Inventor: Daivid FO	
Signature:	John St. Land Bernander

OBLON, McCLELLAND, MAIER & NEUSTADT, L.L.P.

ATTORNEYS AT LAW 1940 DUKE STREET ALEXANDRIA, VIRGINIA 22314

### DECLARATION (37 CFR 1.63) FOR UTILITY OR DESIGN APPLICATION USING AN APPLICATION DATA SHEET (37 CFR 1.76) AND ASSIGNMENT FOR SINGLE ASSIGNEE

Title of Invention	METHOD FOR MANUFACTURING A GER WAVEGUIDE AND PHOTODIODE INCOR WAVEGUIDE	
	d inventor, I hereby declare that:	
This declaration 🛛	The attached application, or	
is directed to:	United States application or PCT international appli- filed on	***************************************
The above-identifie	d application was made or authorized to be made by n	je.
I believe that I am (	he original inventor or an original joint inventor of a c	laimed invention in the application.
(hereinafter referred Paris, 75015, France	tonissariat A L'Energie Atomique et aux Energies Alto d to as "ASSIGNEE") having places of business at: e, is desirous of acquiring the entire right, title and in hat may be granted therefore in the United States and	Batiment Le Ponani D. 25 Rue Leblane terest in and to said invention and in and to
acknowledged, and said ASSIGNEE, the and in all foreign contact other relevant Inter- interest in and to a	FORE, in consideration of the sum of FIVE DOLLA for other good and valuable consideration, I, by these full and exclusive right to the said invention in the countries (including the right to claim priority under the national Treaties and Arrangements from the aforesainty and all Letters Patent which may be granted there any and all foreign countries and in and to any newals thereof.	te presents do sell, assign and transfer umo United States and its territorial possessions e terms of the International Convention and d application) and the entire right, title and efor in the United States and its territorial
any and all foreign assignce of my enti (his) successors and	ze and request the Patent Office Officials in the Unit countries to issue any and all of said Letters Patent ire right, title and interest in and to the same, for the dassigns, to the full end of the term for which said twould have been held by me had this Assignment and	, when granted, to said ASSIGNEE as the sole use and behoof of said ASSIGNEE, its Letters Patent may be granted, as fully and
respecting said inv continuation, substi- all of said Letters possible to aid said	that I will communicate to said ASSIGNEE or its (vention, and testify in any legal proceeding, signitute, renewal and reissue applications, execute all net Patent to be issued to said ASSIGNEE, make all rill ASSIGNEE, its (his) successors and assigns, to obtiled States and its territorial possessions and in any an	all lawful papers, execute all divisional, exsary assignment papers to cause any and ghtful oaths, and, generally do everything tain and enforce proper protection for said
by fine or imprison	ledge that any willful false statement made in this dec ment of not more than five (5) years, or both.	laration is punishable under 18 U.S.C. 1001
LEGAL NAME OF	INVENTOR	
Inventor: Christon	phe KOPP	Date: <u>5/7/2017</u>
Signature:		

OBLON, McCLELLAND, MAIER & NEUSTADT, L.L.P. ATTORNEYS AT LAW

1940 DUKE STREET ALEXANDRIA, VIRGINIA 22314

## DECLARATION (37 CFR 1.63) FOR UTILITY OR DESIGN APPLICATION USING AN APPLICATION DATA SHEET (37 CFR 1.76) AND ASSIGNMENT FOR SINGLE ASSIGNEE

THE OF METHOD FOR MANUFACTURING A GERMANIUM SLOW LIGHT	
Invention WAVEGUIDE AND PHOTODIODE INCORPORATING THIS SLOW LIGHT WAVEGUIDE	
As the below named inventor, I hereby declare that:	
This declaration [ The attached application, or	
is directed to: United States application or PCT international application number	
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.	
WHEREAS, Commissariat A L'Energie Atomique et aux Energies Alternatives  (hereinafter referred to as "ASSIGNEE") having places of business at <u>Batiment Le Ponant D, 25 Rue Lebianc</u> ,  Paris, 75015, France, is desirous of acquiring 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, by these presents do sell, assign and transfer unto said ASSIGNEE, 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) 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 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 ASSIGNEE as the assignee of my entire right, title and interest in and to the same, for the sole use and behoof of said ASSIGNEE, its (his) 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 had this Assignment and sale not been made.	
Further, I agree that I will communicate to said ASSIGNEE or its (his) representatives any facts known to me respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, communition, substitute, renewal and reissue applications, execute all necessary assignment papers to cause any and all of said Letters Patent to be issued to said ASSIGNEE, make all rightful oaths, and, generally do everything possible to aid said ASSIGNEE, its (his) 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.	
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.	
LEGAL NAME OF INVENTOR	
Inventor: Bertrand SZELAG Date: July 4th 2017	
Signature:	

OBLON, McCLELLAND, MAIER & NEUSTADT, L.L.P.

ATTORNEYS AT LAW 1940 DUKE STREET ALEXANDRIA, VIRGINIA 22314

> PATENT REEL: 043749 FRAME: 0697

RECORDED: 09/01/2017