504767672 02/07/2018

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
ELODIE BECHE	12/12/2017
FRANK FOURNEL	12/12/2017
VINCENT LARREY	12/12/2017

RECEIVING PARTY DATA

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

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	15751043

CORRESPONDENCE DATA

Fax Number: (703)413-2220

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

Address Line 4: ALEXANDRIA, VIRGINIA 22314

ATTORNEY DOCKET NUMBER:	509987US
NAME OF SUBMITTER:	TIFFANY ISLEK
SIGNATURE:	/Tiffany Islek/
DATE SIGNED:	02/07/2018

Total Attachments: 3

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> **PATENT REEL: 044857 FRAME: 0102** 504767672

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 SEMICONDUCTOR STRUCTURE WITH TEMPORARY DIRECT BONDING USING A POROUS LAYER
As the below name	d inventor. I hereby declare that:
This declaration	The attached application, or
is directed to:	United States application or PCT international application number <u>PCT/EP2016/068845</u> filed on <u>August 8, 2016</u> .
The above-identific	ed application was made or authorized to be made by me.
I believe that I am	he original inventor or an original joint inventor of a claimed invention in the application.
	MISSARIAT A L'ENERGIE ATOMIQUE ET AUX ENERGIES ALTERNATIVES
PRANCE is desire	ed to as "ASSIGNEE") having a place of business at: <u>Bat le Ponant 25 rue Leblanc 75015 Paris</u> as of acquiring the entire right, title and interest in and to said invention and in and to any Letters granted therefore in the United States and its territorial possessions and in any and all foreign
said ASSIGNEE, the and in all foreign control other relevant Inter- interest in and to a	FORE, in consideration of the sum of FIVE DOLLARS (\$5.00), the receipt whereof is hereby for other good and valuable consideration, I, by these presents do sell, assign and transfer unto the full and exclusive right to the said invention in the United States and its territorial possessions puntries (including the right to claim priority under the terms of the International Convention and national Treaties and Arrangements from the aforesaid application) and the entire right, title and my and all Letters Patent which may be granted therefor in the United States and its territorial any and all foreign countries and in and to any and all divisions, reissues, continuations, newals thereof.
any and an toreign assignee of my enti (his) successors and	we and request the Patent Office Officials in the United States and its territorial possessions and countries to issue any and all of said Letters Patent, when granted, to said ASSIGNEE as the re right, title and interest in and to the same, for the sole use and behoof of said ASSIGNEE, its I assigns, to the full end of the term for which said Letters Patent may be granted, as fully and would have been held by me had this Assignment and sale not been made.
Further, I agree respecting said inv continuation, substi- all of said Letters I possible to aid said	that I will communicate to said ASSIGNEE or its (his) representatives any facts known to me ention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, ture, renewal and reissue applications, execute all necessary assignment papers to cause any and raten 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 ted States and its territorial possessions and in any and all foreign countries.
1001 by time or imp	dedge that any willful false statement made in this declaration is punishable under 18 U.S.C. risonment of not more than five (5) years, or both.
LEGAL NAME OF	
Inventor: BECHE,	December 12, 2017 Date:
Signature:	2 4

OBLON, McCLELLAND, MAIER & NEUSTADT, L.L.P. ATTORNEYS AT LAW 1940 DUKE STREET ALEXANDRIA, VIRGINIA 22314

> **PATENT REEL: 044857 FRAME: 0103**

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 SEMIC	CONDUCTOR STRUCTURE
Invention	WITH TEMPORARY DIRECT BONDING US	ING A POROUS LAYER
As the below name	d inventor, I hereby declare that:	
This declaration	The attached application, or	
is directed to:	United States application or PCT international application filed on <u>August 8, 2016</u>	n number <u>PCT/EP2016/068845</u>
The above-identifie	ed application was made or authorized to be made by me.	
I believe that I am t	the original inventor or an original joint inventor of a claim	ned invention in the application.
WHEREAS, COM	MISSARIAT A L'ENERGIE ATOMIQUE ET AUX ENE	RGIES ALTERNATIVES
FRANCE is desiror	ed to as "ASSIGNEE") having a place of business at: Bat us of acquiring the entire right, title and interest in and to s granted therefore in the United States and its territorial	said invention and in and to any Letters
acknowledged, and said ASSIGNEE, the and in all foreign co- other relevant Inter- interest in and to a	FORE, in consideration of the sum of FIVE DOLLARS for other good and valuable consideration, I, by these proper full and exclusive right to the said invention in the Unit countries (including the right to claim priority under the termational Treaties and Arrangements from the aforesaid appropriate and all Letters Patent which may be granted therefor any and all foreign countries and in and to any and newals thereof.	esents do sell, assign and transfer unto ed States and its territorial possessions ms of the International Convention and plication) and the entire right, title and in the United States and its territorial
any and all foreign assignee of my enti (his) successors and	ze and request the Patent Office Officials in the United St countries to issue any and all of said Letters Patent, wh re right, title and interest in and to the same, for the sole to d assigns, to the full end of the term for which said Lette would have been held by me had this Assignment and sai	en granted, to said ASSIGNEE as the use and behoof of said ASSIGNEE, its is 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 (his) repetition, and testify in any legal proceeding, sign all I tute, renewal and reissue applications, execute all necessar Patent to be issued to said ASSIGNEE, make all rightful ASSIGNEE, its (his) successors and assigns, to obtain a sited States and its territorial possessions and in any and all	awful papers, execute all divisional, ry assignment papers to cause any and il oaths, and, generally do everything and enforce proper protection for said
I hereby acknow 1001 by fine or imp	vledge that any wiliful false statement made in this decli risonment of not more than five (5) years, or both.	aration is punishable under 18 U.S.C.
LEGAL NAME OF	INVENTOR	
Inventor: FOURNE	L. Frank	Date: December 12, 2017
Signature:		

OBLON, McCLELLAND, MAIER & NEUSTADT, L.L.P.
ATTORNEYS AT LAW
1940 DUKE STREET
ALEXANDRIA, VIRGINIA 22314

PATENT REEL: 044857 FRAME: 0104

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 SEMICONDUCTOR STRUCTURE WITH TEMPORARY DIRECT BONDING USING A POROUS LAYER	
As the below name	d inventor, I hereby declare that:	
This declaration	The attached application, or	
is directed to:	United States application or PCT international application number <u>PCT/EP2016/068845</u> filed on <u>August 8, 2016</u>	
The above-identific	ed application was made or authorized to be made by me.	
I believe that I am t	the original inventor or an original joint inventor of a claimed invention in the application.	
WHEREAS, COM	MISSARIAT A L'ENERGIE ATOMIQUE ET AUX ENERGIES ALTERNATIVES	
FRANCE is desiron	ed to as "ASSIGNEE") having a place of business at: <u>Bat le Ponant 25 rue Leblanc 75015 Paris</u> us of acquiring the entire right, title and interest in and to said invention and in and to any Letters granted therefore in the United States and its territorial possessions and in any and all foreign	
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.		
any and all foreign assignee of my enti (his) successors and	ze and request the Patent Office Officials in the United States and its territorial possessions and countries to issue any and all of said Letters Patent, when granted, to said ASSIGNEE as the re right, title and interest in and to the same, for the sole use and behoof of said ASSIGNEE, its d assigns, to the full end of the term for which said Letters Patent may be granted, as fully and a 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.		
1001 by fine or imp	viedge that any willful false statement made in this declaration is punishable under 18 U.S.C. risonment of not more than five (5) years, or both.	
LEGAL NAME OF		
Inventor: <u>LARREY</u>	. <u>Vincent</u> Date: <u>19/12/201</u> 7	
Signature:		
2 2 1 2 2 3 4 2 3 1 4 3 1 4 3 1 6 T C	100° 1 3	

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PATENT REEL: 044857 FRAME: 0105

RECORDED: 02/07/2018