

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
Stylesheet Version v1.2

EPAS ID: PAT2825644

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
CHARLIE KOECHLIN	02/02/2014
PATRICK BOUCHON	03/28/2014
RIAD HAIDAR	03/28/2014
JEAN-LUC PELOUARD	03/28/2014
JEAN-JACQUES YON	04/15/2014
JOEL DESCHAMPS	03/28/2014
FABRICE PARDO	03/28/2014
STEPHANE COLLIN	03/28/2014

RECEIVING PARTY DATA

Name:	CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE- CNRS
Street Address:	3, RUE MICHEL-ANGE
City:	PARIS
State/Country:	FRANCE
Postal Code:	75794
Name:	OFFICE NATIONAL D'ETUDES ET DE RECHERCHES AEROPATIALES-ONERA
Street Address:	DCV/21 PI, BP 80100
City:	PALaiseau
State/Country:	FRANCE
Postal Code:	91123
Name:	COMMISSARIAT A L'ENERGIE ATOMIQUE ET AUX ENERGIES ALTERNATIVES-CEA
Street Address:	25 RUE LEBLANC BATIMENT "LE PONANT D"
City:	PARIS
State/Country:	FRANCE
Postal Code:	75015

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	14131298

CORRESPONDENCE DATA

502779049

PATENT

REF: 032736 FRAME: 0541

Fax Number: (713)228-8778

Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US Mail.

Phone: 7132288600

Email: SMcFadden@oshaliang.com

Correspondent Name: THOMAS K. SCHERER

Address Line 1: 909 FANNIN ST.

Address Line 2: SUITE 3500

Address Line 4: HOUSTON, TEXAS 77010

ATTORNEY DOCKET NUMBER:	17703/007001
--------------------------------	--------------

NAME OF SUBMITTER:	THOMAS K. SCHERER
---------------------------	-------------------

SIGNATURE:	/Thomas K. Scherer/
-------------------	---------------------

DATE SIGNED:	04/23/2014
---------------------	------------

Total Attachments: 6

source=007001_ASSN#page1.tif

source=007001_ASSN#page2.tif

source=007001_ASSN#page3.tif

source=007001_ASSN#page4.tif

source=007001_ASSN#page5.tif

source=007001_ASSN#page6.tif

ASSIGNMENT – WORLDWIDE

For good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, the undersigned individual(s) (referred to herein as the "INVENTOR(S)") hereby assign, transfer, and set over to:

- (1) **Centre National de la Recherche Scientifique-CNRS**
- (2) **Office National D'Etudes Et De Recherches Aéropatiales-ONERA**
- (3) **Commissariat à l'énergie atomique et aux énergies alternatives-CEA**

having the following address:

- (1) 3, rue Michel-Ange, 75794 Paris, FRANCE
- (2) DCV/21 Pl, BP 80100, 91123 Palaiseau, FRANCE
- (3) 25 rue Leblanc Bâtiment "Le Ponant D", 75015 Paris, FRANCE

(referred to herein as "COMPANY"), its successors, and assigns, the entire right, title, and interest, worldwide, in and to the invention known by the following title:

MICROBOLOMETER ARRAY WITH IMPROVED PERFORMANCE

for which the undersigned has/have executed an application for patent in the United States of America on or about this same day, together with said patent application, all divisions, continuations, continuations-in-part, reissues, and extensions thereof, and all Letters Patent (domestic and foreign) which may be granted therefor. Such interest represents the entire ownership of said applications and Letters Patent when granted and is to be owned by COMPANY, its successors, and assigns, or their legal representatives, for the full and entire term for which such Letters Patent may be granted or extended, as fully and entirely as the same would have been enjoyed by the INVENTOR(S) if this assignment had not been made.

In addition, the undersigned INVENTOR(S) each hereby agrees:

1. To sign and execute any further documents which may be necessary or desirable, lawful, and proper in connection with the prosecution of all applications for patent(s) on the INVENTION in the United States, including without limitation said application and all divisions, continuations, continuations-in-part, amendments thereof, and all interference proceedings associated therewith, or otherwise necessary or desirable to secure the title thereto to COMPANY;
2. To execute all papers and documents and to perform all lawful acts which may be necessary in connection with claims to priority or otherwise under the International Convention for the Protection of Industrial Property or similar treaties or agreements;
3. To perform all lawful affirmative acts which may be necessary to obtain the grant of a valid and enforceable patent to COMPANY.

The undersigned INVENTOR(S) each hereby authorizes and requests the Commissioner of Patents and Trademarks in the United States to issue any and all Letters Patent resulting from said application, including without limitation any division, continuation, continuation-in-part, or reissue thereof to COMPANY.

The undersigned INVENTOR(S) each hereby grants to the firm of OSHA LIANG LLP the power to insert on this Assignment any further identification which may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for the recordation of this document.

OSHALIANG

Intellectual Property Law

IN WITNESS WHEREOF, this Assignment has been executed by each of the undersigned individuals on the date appearing by such individual's signature:

<u>2/2/2014</u> Date	1 st Inventor Signature: <u>Charlie Koechlin</u> Print or Type Name: <u>Charlie Koechlin</u>
<u> </u> Date	2 nd Inventor Signature: <u> </u> Print or Type Name: <u>Patrick Bouchon</u>
<u> </u> Date	3 rd Inventor Signature: <u> </u> Print or Type Name: <u>Riad Haidar</u>
<u> </u> Date	4 th Inventor Signature: <u> </u> Print or Type Name: <u>Jean-Luc Pelouard</u>
<u> </u> Date	5 th Inventor Signature: <u> </u> Print or Type Name: <u>Jean-Jacques Yon</u>
<u> </u> Date	6 th Inventor Signature: <u> </u> Print or Type Name: <u>Joël Deschamps</u>
<u> </u> Date	7 th Inventor Signature: <u> </u> Print or Type Name: <u>Fabrice Pardo</u>
<u> </u> Date	8 th Inventor Signature: <u> </u> Print or Type Name: <u>Stéphane Collin</u>

When this Assignment is not filed concurrently with the patent application,
the following identifying information may be added after execution:

U.S. Application Serial No.:
Filing Date:

14/131,298
January 7, 2014

OSHALIANG
Intellectual Property Law

PATENT
REEL: 032736 FRAME: 0544

ASSIGNMENT – WORLDWIDE

For good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, the undersigned individual(s) (referred to herein as the "INVENTOR(S)") hereby assign, transfer, and set over to:

- (1) **Centre National de la Recherche Scientifique-CNRS**
- (2) **Office National D'Etudes Et De Recherches Aéropatiales-ONERA**
- (3) **Commissariat à l'énergie atomique et aux énergies alternatives-CEA**

having the following address:

- (1) 3, rue Michel-Ange, 75794 Paris, FRANCE
- (2) DCV/21 Pl, BP 80100, 91123 Palaiseau, FRANCE
- (3) 25 rue Leblanc Bâtiment "Le Ponant D", 75015 Paris, FRANCE

(referred to herein as "COMPANY"), its successors, and assigns, the entire right, title, and interest, worldwide, in and to the invention known by the following title:

MICROBOLOMETER ARRAY WITH IMPROVED PERFORMANCE

for which the undersigned has/have executed an application for patent in the United States of America on or about this same day, together with said patent application, all divisions, continuations, continuations-in-part, reissues, and extensions thereof, and all Letters Patent (domestic and foreign) which may be granted therefor. Such interest represents the entire ownership of said applications and Letters Patent when granted and is to be owned by COMPANY, its successors, and assigns, or their legal representatives, for the full and entire term for which such Letters Patent may be granted or extended, as fully and entirely as the same would have been enjoyed by the INVENTOR(S) if this assignment had not been made.

In addition, the undersigned INVENTOR(S) each hereby agrees:

1. To sign and execute any further documents which may be necessary or desirable, lawful, and proper in connection with the prosecution of all applications for patent(s) on the INVENTION in the United States, including without limitation said application and all divisions, continuations, continuations-in-part, amendments thereof, and all interference proceedings associated therewith, or otherwise necessary or desirable to secure the title thereto to COMPANY;
2. To execute all papers and documents and to perform all lawful acts which may be necessary in connection with claims to priority or otherwise under the International Convention for the Protection of Industrial Property or similar treaties or agreements;
3. To perform all lawful affirmative acts which may be necessary to obtain the grant of a valid and enforceable patent to COMPANY.

The undersigned INVENTOR(S) each hereby authorizes and requests the Commissioner of Patents and Trademarks in the United States to issue any and all Letters Patent resulting from said application, including without limitation any division, continuation, continuation-in-part, or reissue thereof to COMPANY.

The undersigned INVENTOR(S) each hereby grants to the firm of OSHA LIANG LLP the power to insert on this Assignment any further identification which may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for the recordation of this document.

OSHALIANG

Intellectual Property Law

IN WITNESS WHEREOF, this Assignment has been executed by each of the undersigned individuals on the date appearing by such individual's signature:

Date	1 st Inventor Signature:	Print or Type Name:	Charlie Kocchilin	X
28/03/2014	2 nd Inventor Signature:	Print or Type Name:	Patrick Bouchon	X
28/03/2014	3 rd Inventor Signature:	Print or Type Name:	Riad Haidar	X
28/03/2014	4 th Inventor Signature:	Print or Type Name:	Jean-Luc Pelouard	
	5 th Inventor Signature:	Print or Type Name:	Jean-Jacques Yon	
28/03/2014	6 th Inventor Signature:	Print or Type Name:	Joël Deschamps	X
28/03/2014	7 th Inventor Signature:	Print or Type Name:	Fabrice Pardo	
28/03/2014	8 th Inventor Signature:	Print or Type Name:	Stéphane Collin	

When this Assignment is not filed concurrently with the patent application, the following identifying information may be added after execution:

U.S. Application Serial No.:
Filing Date:

14/131,298
January 7, 2014

OSHALIANG

Intellectual Property Law

ASSIGNMENT – WORLDWIDE

For good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, the undersigned individual(s) (referred to herein as the "INVENTOR(S)") hereby assign, transfer, and set over to:

- (1) **Centre National de la Recherche Scientifique-CNRS**
- (2) **Office National D'Etudes Et De Recherches Aéropatiales-ONERA**
- (3) **Commissariat à l'énergie atomique et aux énergies alternatives-CEA**

having the following address:

- (1) 3, rue Michel-Ange, 75794 Paris, FRANCE
- (2) DCV/21 Pl, BP 80100, 91123 Palaiseau, FRANCE
- (3) 25 rue Leblanc Bâtiment "Le Ponant D", 75015 Paris, FRANCE

(referred to herein as "COMPANY"), its successors, and assigns, the entire right, title, and interest, worldwide, in and to the invention known by the following title:

MICROBOLOMETER ARRAY WITH IMPROVED PERFORMANCE

for which the undersigned has/have executed an application for patent in the United States of America on or about this same day, together with said patent application, all divisions, continuations, continuations-in-part, reissues, and extensions thereof, and all Letters Patent (domestic and foreign) which may be granted therefor. Such interest represents the entire ownership of said applications and Letters Patent when granted and is to be owned by COMPANY, its successors, and assigns, or their legal representatives, for the full and entire term for which such Letters Patent may be granted or extended, as fully and entirely as the same would have been enjoyed by the INVENTOR(S) if this assignment had not been made.

In addition, the undersigned INVENTOR(S) each hereby agrees:

1. To sign and execute any further documents which may be necessary or desirable, lawful, and proper in connection with the prosecution of all applications for patent(s) on the INVENTION in the United States, including without limitation said application and all divisions, continuations, continuations-in-part, amendments thereof, and all interference proceedings associated therewith, or otherwise necessary or desirable to secure the title thereto to COMPANY;
2. To execute all papers and documents and to perform all lawful acts which may be necessary in connection with claims to priority or otherwise under the International Convention for the Protection of Industrial Property or similar treaties or agreements;
3. To perform all lawful affirmative acts which may be necessary to obtain the grant of a valid and enforceable patent to COMPANY.

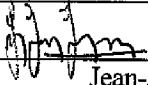
The undersigned INVENTOR(S) each hereby authorizes and requests the Commissioner of Patents and Trademarks in the United States to issue any and all Letters Patent resulting from said application, including without limitation any division, continuation, continuation-in-part, or reissue thereof to COMPANY.

The undersigned INVENTOR(S) each hereby grants to the firm of OSHA LIANG LLP the power to insert on this Assignment any further identification which may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for the recordation of this document.

OSHALIANG

Intellectual Property Law

IN WITNESS WHEREOF, this Assignment has been executed by each of the undersigned individuals on the date appearing by such individual's signature:

_____	1 st Inventor Signature: _____
Date	Print or Type Name: Charlie Koechlin
_____	2 nd Inventor Signature: _____
Date	Print or Type Name: Patrick Bouchon
_____	3 rd Inventor Signature: _____
Date	Print or Type Name: Riad Haidar
_____	4 th Inventor Signature: _____
Date	Print or Type Name: Jean-Luc Pelouard
15/04/2014	5 th Inventor Signature: 
Date	Print or Type Name: Jean-Jacques Yon
_____	6 th Inventor Signature: _____
Date	Print or Type Name: Joël Deschamps
_____	7 th Inventor Signature: _____
Date	Print or Type Name: Fabrice Pardo
_____	8 th Inventor Signature: _____
Date	Print or Type Name: Stéphane Collin

When this Assignment is not filed concurrently with the patent application,
the following identifying information may be added after execution:

U.S. Application Serial No.:

14/131,298

Filing Date:

January 7, 2014

OSHALIANG

Intellectual Property Law