

Form PTO-1595 (Rev. 03-11)
OMB No. 0651-0027 (exp. 03/31/2015)

U.S. DEPARTMENT OF COMMERCE
United States Patent and Trademark Office

RECORDATION FORM COVER SHEET PATENTS ONLY

To the Director of the U.S. Patent and Trademark Office: Please record the attached documents or the new address(es) below.

1. Name of conveying party(ies):

Frédéric Cassaing (02/02/2010), Isabelle Mocoour
(10/02/2010), and Laurent Mugnier (01/25/2010)

Additional name(s) of conveying party(ies) attached? ☐ Yes ☒ No

2. Name and address of receiving party(ies)

Office National D'Etudes et de Recherches Aérospatiales
(Onera)

Internal Address: _____

Street Address: _____

29, Avenue de la Division Leclerc
F-92320 Châtillon
FRANCE

City: _____

State: _____

Country: _____ Zip: _____

Additional name(s) & address(es) attached? ☐ Yes ☒ No

3. Nature of conveyance/Execution Date(s):

Execution Date(s): in parentheses after inventor name

☒ Assignment ☐ Merger ☐ Change of Name

☐ Security Agreement ☐ Joint Research Agreement

☐ Government Interest Assignment

☐ Executive Order 9424, Confirmatory License

☐ Other _____

4. Application or patent number(s):

A. Patent Application No.(s)
12/669,524

☐ This document is being filed together with a new application.

B. Patent No.(s)

Additional numbers attached? ☐ Yes ☒ No

5. Name and address to whom correspondence concerning document should be mailed:

Name: John J. Farrell
LERNER, DAVID, LITTENBERG,
KRUMHOLZ & MENTLIK, LLP

Internal Address: Atty. Dkt.:

Street Address: 600 South Avenue West

City: Westfield

State: NJ Zip: 07090

Phone Number: 908-654-5000

Fax Number: 908-654-7866

Email Address: ataylor@ldlkm.com

6. Total number of applications and patents involved:

1

7. Total fee (37 CFR 1.21(h) & 3.41) \$ 40.00

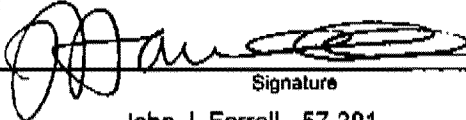
- ☒ Authorized to be charged to deposit account
☐ Enclosed
☐ None required (government interest not affecting title)

8. Payment Information

Deposit Account Number 12-1095

Authorized User Name John J. Farrell

9. Signature:



Signature

September 24, 2012

Date

John J. Farrell - 57,291

Name of Person Signing

Total number of pages including cover sheet, attachments, and documents:

4

2013285_1 DOC

CH \$40.00 121095 12669524

ASSIGNMENT OF UTILITY APPLICATION	Docket Number (Optional) REGIM 3.3-150
------------------------------------------	--------------------------------------------------

Whereas, I, **Frédéric CASSAING** of **9 place de la montagne du goulet; F- 75015 PARIS; FRANCE**

hereafter referred to as assignor, have with others invented certain new and useful improvements in **METHOD OF ESTIMATING AT LEAST ONE DEFORMATION OF THE WAVE FRONT OF AN OPTICAL SYSTEM OR OF AN OBJECT OBSERVED BY THE OPTICAL SYSTEM AND ASSOCIATED DEVICE**

☒ for which an application for a United States Letters Patent was filed on January 18, 2010
 Application Number 12/669,524

☐ for which an application for a United States Letters Patent was executed by me on _____

☒ for which an International Application was filed on July 21th 2008, as **PCT/EP2008/059548**, designating the United States.

And **OFFICE NATIONAL D'ETUDES ET DE RECHERCHES AEROSPATIALES (ONERA)**

Whereas, **FRANCE** herein referred to as "assignee" whose mailing address is **29, Avenue de la Division Leclerc; F- 92320 CHATILLON; FRANCE**

is desirous of acquiring the entire right, title and interest in the same;

NOW, THEREFORE, in consideration of the sum of one dollars (\$ 1.00), the receipt whereof is acknowledged, and other good and valuable consideration, I as assignor hereby sell, assign and set over to said assignee my entire right, title and interest for the United States of America and all other countries in and to said invention and the aforesaid utility patent application and all original, divisional, continuation, substitute or reissue applications and patents applied for or granted therefor in the United States of America and all other countries, for said invention, including without limitation all applications and patents for said invention claiming priority or benefit of the aforesaid utility application pursuant to any law or treaty, and including all claims for damages by reason of past infringement with the right to sue for and collect the same for its own use and the use of its successors, assigns and legal representatives, and including the right to claim such priority or benefit and the Commissioner of Patents and Trademarks is hereby authorized and requested to issue all patents on said improvements or resulting therefrom to said assignee herein, as assignee of the entire interest therein; and the undersigned for me and my legal representatives, heirs and assigns do hereby agree and covenant without further remuneration, to execute and deliver all original, divisional, continuation, reissue and other applications for Letters Patent on said improvements and all assignments thereof to said assignee or its assigns, to communicate to said assignee or its representatives all facts known to the undersigned respecting said improvements, whenever requested, to testify in any interferences or other legal proceedings in which any of said applications or patents may become involved, to sign all lawful papers, make all rightful oaths, and to do generally everything necessary to aid assignee, its successors, assigns and nominees to obtain patent protection for said improvements in all countries, the expenses incident to said applications to be borne and paid by said assignee.

And I do hereby authorize my attorneys to insert on this deed the filing date and application number of said application when known.

02/02/2010
Annick Allemand
 Witness
ALLEMAND ANNICK
 Typed Name of Witness

Frédéric Cassaing
Frédéric CASSAING

<input checked="" type="checkbox"/>	*Total of <u>3</u> forms are submitted.
-------------------------------------	-----------------------------------------

ASSIGNMENT OF UTILITY APPLICATION	Docket Number (Optional) REGIM 3.3-150
------------------------------------------	--------------------------------------------------

Whereas, I, **Isabelle MOCOEUR** of **89, Avenue de la Liberté; F- 94260 FRESNES; FRANCE** hereafter referred to as assignor, have with others invented certain new and useful improvements in **METHOD OF ESTIMATING AT LEAST ONE DEFORMATION OF THE WAVE FRONT OF AN OPTICAL SYSTEM OR OF AN OBJECT OBSERVED BY THE OPTICAL SYSTEM AND ASSOCIATED DEVICE**

☒ for which an application for a United States Letters Patent was filed on January 18, 2010
 Application Number 12/669,524

☐ for which an application for a United States Letters Patent was executed by me on _____

☒ for which an International Application was filed on July 21th 2008, as PCT/EP2008/059548, designating the United States.

And **OFFICE NATIONAL D'ETUDES ET DE RECHERCHES AEROSPATIALES (ONERA)**
 Whereas, **FRANCE** herein referred to as "assignee" whose mailing address is:
29, Avenue de la Division Leclerc; F- 92320 CHATILLON; FRANCE

is desirous of acquiring the entire right, title and interest in the same:

NOW, THEREFORE, in consideration of the sum of one dollars (\$ 1.00), the receipt whereof is acknowledged, and other good and valuable consideration, I as assignor hereby sell, assign and set over to said assignee my entire right, title and interest for the United States of America and all other countries in and to said invention and the aforesaid utility patent application and all original, divisional, continuation, substitute or reissue applications and patents applied for or granted therefor in the United States of America and all other countries, for said invention, including without limitation all applications and patents for said invention claiming priority or benefit of the aforesaid utility application pursuant to any law or treaty, and including all claims for damages by reason of past infringement with the right to sue for and collect the same for its own use and the use of its successors, assigns and legal representatives, and including the right to claim such priority or benefit and the Commissioner of Patents and Trademarks is hereby authorized and requested to issue all patents on said improvements or resulting therefrom to said assignee herein, as assignee of the entire interest therein; and the undersigned for me and my legal representatives, heirs and assigns do hereby agree and covenant without further remuneration, to execute and deliver all original, divisional, continuation, reissue and other applications for Letters Patent on said improvements and all assignments thereof to said assignee or its assigns, to communicate to said assignee or its representatives all facts known to the undersigned respecting said improvements, whenever requested, to testify in any interferences or other legal proceedings in which any of said applications or patents may become involved, to sign all lawful papers, make all rightful oaths, and to do generally everything necessary to aid assignee, its successors, assigns and nominees to obtain patent protection for said improvements in all countries, the expenses incident to said applications to be borne and paid by said assignee.

And I do hereby authorize my attorneys to insert on this deed the filing date and application number of said application when known.

10/02/2010
 Date
3) ANNE ALLEMAND
 Witness
ANNE ALLEMAND
 Typed Name of Witness

Isabelle MOCOEUR
 Isabelle MOCOEUR

☒ Total of 3 forms are submitted.

ASSIGNMENT OF UTILITY APPLICATION	Docket Number (Optional) REGIM 3.3-150
------------------------------------------	--------------------------------------------------

Whereas, I, **Laurent MUGNIER** of **1 quater rue basse de la terrasse; F- 92190 MEUDON; FRANCE** hereafter referred to as assignor, have with others invented certain new and useful improvements in **METHOD OF ESTIMATING AT LEAST ONE DEFORMATION OF THE WAVE FRONT OF AN OPTICAL SYSTEM OR OF AN OBJECT OBSERVED BY THE OPTICAL SYSTEM AND ASSOCIATED DEVICE**

☒ for which an application for a United States Letters Patent was filed on January 18, 2010
 Application Number 12/669,524

☐ for which an application for a United States Letters Patent was executed by me on _____

☒ for which an International Application was filed on July 21th 2008 as PCT/EP2008/059548, designating the United States.

And **OFFICE NATIONAL D'ETUDES ET DE RECHERCHES AEROSPATIALES (ONERA)**
 Whereas, a corporation of **FRANCE** herein referred to as "assignee" whose mailing address is **29, Avenue de la Division Leclerc; F- 92320 CHATILLON; FRANCE**

is desirous of acquiring the entire right, title and interest in the same;

NOW, THEREFORE, in consideration of the sum of one dollars (\$ 1.00), the receipt whereof is acknowledged, and other good and valuable consideration, I as assignor hereby sell, assign and set over to said assignee my entire right, title and interest for the United States of America and all other countries in and to said invention and the aforesaid utility patent application and all original, divisional, continuation, substitute or reissue applications and patents applied for or granted therefor in the United States of America and all other countries, for said invention, including without limitation all applications and patents for said invention claiming priority or benefit of the aforesaid utility application pursuant to any law or treaty, and including all claims for damages by reason of past infringement with the right to sue for and collect the same for its own use and the use of its successors, assigns and legal representatives, and including the right to claim such priority or benefit and the Commissioner of Patents and Trademarks is hereby authorized and requested to issue all patents on said improvements or resulting therefrom to said assignee herein, as assignee of the entire interest therein; and the undersigned for me and my legal representatives, heirs and assigns do hereby agree and covenant without further remuneration, to execute and deliver all original, divisional, continuation, reissue and other applications for Letters Patent on said improvements and all assignments thereof to said assignee or its assigns, to communicate to said assignee or its representatives all facts known to the undersigned respecting said improvements, whenever requested, to testify in any interferences or other legal proceedings in which any of said applications or patents may become involved, to sign all lawful papers, make all rightful oaths, and to do generally everything necessary to aid assignee, its successors, assigns and nominees to obtain patent protection for said improvements in all countries, the expenses incident to said applications to be borne and paid by said assignee.

And I do hereby authorize my attorneys to insert on this deed the filing date and application number of said application when known.

January 25 2010
Annick Aghmand
 Witness
ALLEMAND ANNICK
 Typed Name of Witness

Laurent Mugnier
 Laurent MUGNIER

<input checked="" type="checkbox"/>	Total of <u>3</u> forms are submitted.
-------------------------------------	----------------------------------------

PATENT