

Form PTO-1595 (Rev. 09/04)
OMB No. 0651-0027 (exp. 6/30/2005)

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

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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)/Execution Date(s):

ELODIE CANSOT (03/22/2011), EMMANUEL
CHRISTOPHE (03/27/2011), AND ALAIN
ROSAK (04/19/2011)

Execution Date(s): in parentheses after inventor name

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

3. Nature of Conveyance:

- ☒ Assignment ☐ Merger
☐ Security Agreement ☐ Change of Name
☐ Government Interest Assignment
☐ Executive Order 9424, Confirmatory License
☐ Other _____

2. Name and address of receiving party(ies)

CENTRE NATIONAL D'ETUDES
SPATIALES

Name: _____

Internal Address: _____

Street Address: _____

2, Place Maurice Quentin
F-75001 Paris
FRANCE

City: _____

State: _____

Country: _____ Zip: _____

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

4. Application or patent number(s):

A. Patent Application No.(s)

13/123,938

☐ 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: Thomas M. Palisi
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) 518-6366

Fax Number: (908) 654-0415

Email Address: tpalisi@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 by credit card

☒ Authorized to be charged to deposit account

☐ Enclosed

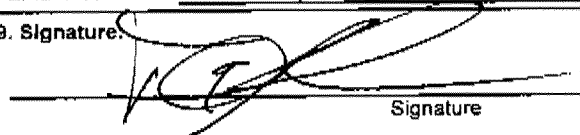
☐ None required (government interest not affecting title)

8. Payment Information

a. Credit Card Last 4 Numbers _____
Expiration Date _____

b. Deposit Account Number 12-1095
Authorized User Name Thomas M. Palisi

9. Signature:


Signature

Thomas M. Palisi - 36,629
Name of Person Signing

June 10, 2011

Date

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

4

ASSIGNMENT OF UTILITY APPLICATION	Docket Number (Optional) REGIM 3.3 469
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Whereas, I, Elodie CANSOT of
38, rue Gaston Phoebus, 31300 TOULOUSE - FRANCE
hereafter referred to as assignor, have with others invented certain new and useful improvements in
**PROCESS AND INSTRUMENT FOR RECONSTRUCTION OF AN IRREGULARLY SAMPLED
NARROW-BAND SIGNAL**

☒ for which an application for a United States Letters Patent was filed on April 13, 2011
Application Number 13/123,938

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

☒ for which an International Application was filed on 01 SEPTEMBER 2009, as
PCT/EP2009/061287, designating the United States.

And

Whereas, CENTRE NATIONAL D'ETUDES SPATIALES
a corporation of FRANCE herein referred to as "assignee" whose mailing address is
2, place Maurice Quentin, 75001 PARIS - 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.

22/03/2011
Date
[Signature]
Witness
Philippe Hibert
Typed Name of Witness

[Signature]
Elodie CANSOT

☒ *Total of _____ forms are submitted.

LD-515

ASSIGNMENT OF UTILITY APPLICATION	Docket Number (Optional) REGIM 3.3-169
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Whereas, I, **Emmanuel CHRISTOPHE** of **18, avenue Edouard Belin, 31401 TOULOUSE - FRANCE**

hereafter referred to as assignor, have with others invented certain new and useful improvements in **PROCESS AND INSTRUMENT FOR RECONSTRUCTION OF AN IRREGULARLY SAMPLED NARROW-BAND SIGNAL**

☒ for which an application for a United States Letters Patent was filed on APRIL 13, 2011
 Application Number 13/123,038

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

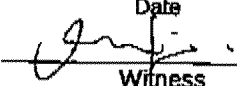
☒ for which an International Application was filed on 01 SEPTEMBER 2009, as PCT/EP2009/061287, designating the United States.

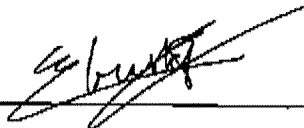
And

Whereas, **CENTRE NATIONAL D'ETUDES SPATIALES**
 a corporation of **FRANCE** herein referred to as "assignee" whose mailing address is **2, place Maurice Quentin, 75001 PARIS - 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.

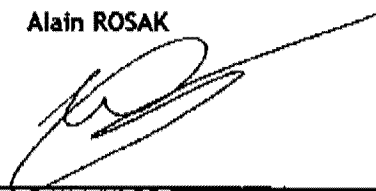
And I do hereby authorize my attorneys to insert on this deed the filing date and application number of said application when known.

03/27/2011
 Date

 Witness
SHARON LIM
 Typed Name of Witness


 Emmanuel CHRISTOPHE

☒ *Total of _____ forms are submitted.

LD-515\

ASSIGNMENT OF UTILITY APPLICATION	Docket Number (Optional) REGIM 3.3-169
<p>Whereas, I, <u>Alain ROSAK</u> of <u>16 rue André Cavagnol, 31500 TOULOUSE - FRANCE</u> hereafter referred to as assignor, have with others invented certain new and useful improvements in PROCESS AND INSTRUMENT FOR RECONSTRUCTION OF AN IRREGULARLY SAMPLED NARROW-BAND SIGNAL</p> <p><input checked="" type="checkbox"/> for which an application for a United States Letters Patent was filed on <u>APRIL 13, 2011</u> Application Number <u>13/123,938</u></p> <p><input type="checkbox"/> for which an application for a United States Letters Patent was executed by me on _____</p> <p><input checked="" type="checkbox"/> for which an International Application was filed on <u>01 SEPTEMBER 2009</u>, as <u>PCT/EP2009/061287</u>, designating the United States.</p> <p>And</p> <p>Whereas, <u>CENTRE NATIONAL D'ETUDES SPATIALES</u> a corporation of <u>FRANCE</u> herein referred to as "assignee" whose mailing address is <u>2, place Maurice Quentin, 75001 PARIS - FRANCE</u> is desirous of acquiring the entire right, title and interest in the same;</p> <p>NOW, THEREFORE, in consideration of the sum of <u>one</u> dollars (\$ <u>1.00</u>), 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.</p> <p>And I do hereby authorize my attorneys to insert on this deed the filing date and application number of said application when known.</p> <div style="display: flex; justify-content: space-between; align-items: flex-end; margin-top: 20px;"> <div style="width: 45%;"> <p><u>24 April 2011</u> Date</p> <p><u>Rosak AL</u> Witness</p> <p><u>FIALINGG</u> Typed Name of Witness</p> </div> <div style="width: 45%; text-align: center;"> <p>Alain ROSAK</p>  </div> </div>	
<input checked="" type="checkbox"/> Total of _____ forms are submitted.	

LD-5151