

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
Stylesheet Version v1.2

EPAS ID: PAT4717132

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
AXEL BARRAU	09/18/2017
SILVERE BONNABEL	09/18/2017
RECEIVING PARTY DATA	
Name:	SAFRAN ELECTRONICS & DEFENSE
Street Address:	18/20 QUAI DU POINT DU JOUR
City:	BOULOGNE-BILLANCOURT
State/Country:	FRANCE
Postal Code:	92100
Name:	ASSOCIATION POUR LA RECHERCHE DEVELOPPEMENT DES METHODES ET PROCESSUS INDUSTRIELS - A.R.M.I.N.E.S.
Street Address:	60, BOULEVARD SAINT-MICHEL
City:	PARIS
State/Country:	FRANCE
Postal Code:	75006
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	15563262
CORRESPONDENCE DATA	
Fax Number:	
<i>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.</i>	
Email:	Fip_group@bstz.com, esh_admin@bstz.com
Correspondent Name:	BSTZ
Address Line 1:	1279 OAKMEAD PARKWAY
Address Line 4:	SUNNYVALE, CALIFORNIA 94085
ATTORNEY DOCKET NUMBER:	9936P244
NAME OF SUBMITTER:	ERIC S HYMAN
SIGNATURE:	/eric s hyman/
DATE SIGNED:	12/04/2017

This document serves as an Oath/Declaration (37 CFR 1.63).

Total Attachments: 2

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Worldwide Assignment & US Declaration (37 CFR 1.63) for utility or design application using an application data sheet (37 CFR 1.76)

As a below named inventor, I hereby declare that, I

Inventor Name	Complete Address
Axel BARRAU	c/o Safran Electronics & Defense, 18/20 Quai du Point du Jour 92100 BOULOGNE-BILLANCOURT FRANCE

(Hereinafter referred to as the Assignor) have made an invention entitled:

Title of Invention (in English)
Method for tracking the navigation of a mobile carrier with an extended kalman filter
Title of Invention (in French)
Procédé de suivi de navigation d'un porteur mobile avec un filtre de Kalman étendu

for which an application for Letters Patent has been filed in the following country:

Country	Filing Date	Serial Number
FRANCE	AVR-01-2015	1500654
PCT	AVR-01-2016	EP2016/057280

The above-identified application(s) was/were 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.

AND, WHEREAS,

Corporation Name	Complete Address
Safran Electronics & Defense	18/20 Quai du Point du Jour, 92100 BOULOGNE-BILLANCOURT, FRANCE
ASSOCIATION POUR LA RECHERCHE DEVELOPPEMENT DES METHODES ET PROCESSUS INDUSTRIELS - A.R.M.I.N.E.S.	60, boulevard Saint-Michel, 75006 PARIS, FRANCE

(Hereinafter referred to as the Assignee[s]) is/are desirous of securing the entire right, title, and interest in and to this invention in all countries throughout the world, and in and to the aforementioned applications for Letters Patent on this invention and the Letters Patent to be issued upon these applications;

NOW THEREFORE, be it known that for and in consideration of One EURO (€1.00) and other good and valuable consideration, the receipt and sufficiency of which from the Assignee[s] is hereby acknowledged, by these presents, I, the Assignor, have sold, assigned, transferred, and set over, and do hereby sell, assign, transfer and set over unto the Assignee[s], its/their lawful successors and assigns, my entire right, title, and interest in and to this invention and these applications, and all divisions, and continuations thereof, and all Letters Patent that may be granted thereon, and all reissues thereof, and all rights to claim priority on these of such applications, and all applications for Letters Patent that may hereafter be filed for this invention in any country and all Letters Patent that may be granted on this invention in any country, and all extensions, renewals, and reissues thereof; and I hereby authorize and request the Commissioners of Patents (or other appropriate official whose duty is to issue patents) of the United States, Canada, and any other country, to issue Letters Patent for this invention to the Assignee[s], its/their successors and assigns, in accordance with the terms of this Assignment;

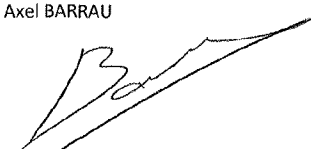
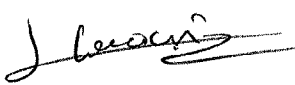
AND, I HEREBY covenant that I have the full right to convey the interest assigned by this Assignment, and I have not executed and will not execute any agreement in conflict with this Assignment;

AND, I HEREBY further covenant and agree that I will communicate with the Assignee[s], its/their successors and assigns, any facts known to me respecting this invention, testify in any legal proceedings, sign all lawful papers when called upon to do so, execute and deliver any and all papers that may be necessary or desirable to perfect the title to this invention in said Assignee[s], its/their successors or assigns, execute all divisional, continuation, reissue, and re-examination applications, make all rightful oaths and generally do everything possible to aid the Assignee[s], its/their successors and assigns, to obtain and enforce proper patent protection for this invention in any country, it being understood that, irrespective of whether I am in the employ of the Assignee[s] or its/their affiliates, any expense incident to the performance of the obligations of the present paragraph shall be borne by the Assignee[s], its/their successors, and assigns.

This Assignment agreement is effective as of the earliest filing date mentioned above.

AND, I/WE 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.

IN TESTIMONY WHEREOF, I HAVE SIGNED:

Date	Place	Inventor Name & Signature	Witness Name & Signature
18/09/2017	Magny - Les-Hameaux, 78772, France	Axel BARRAU 	Jacques LACOURIE 

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20162

**Worldwide Assignment & US Declaration (37 CFR 1.63)
for utility or design application using an application data sheet (37 CFR 1.76)**

As a below named inventor, I hereby declare that, I

<i>Inventor Name</i>	<i>Complete Address</i>
Silvère BONNABEL	c/o Mines ParisTech, 60, boulevard Saint-Michel, 75272 PARIS CEDEX 06, FRANCE

(Hereinafter referred to as the Assignor) have made an invention entitled:

<i>Title of Invention (in English)</i>
Method for tracking the navigation of a mobile carrier with an extended kalman filter
<i>Title of Invention (in French)</i>
Procédé de suivi de navigation d'un porteur mobile avec un filtre de Kalman étendu

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AND, WHEREAS,

<i>Corporation Name</i>	<i>Complete Address</i>
Safran Electronics & Defense	18/20 Quai du Point du Jour, 92100 BOULOGNE-BILLANCOURT, FRANCE
ASSOCIATION POUR LA RECHERCHE DEVELOPPEMENT DES METHODES ET PROCESSUS INDUSTRIELS - A.R.M.I.N.E.S.	60, boulevard Saint-Michel, 75006 PARIS, FRANCE

(Hereinafter referred to as the Assignee[s]) is/are desirous of securing the entire right, title, and interest in and to this invention in all countries throughout the world, and in and to the aforementioned applications for Letters Patent on this invention and the Letters Patent to be issued upon these applications;

NOW THEREFORE, be it known that for and in consideration of One EURO (€1.00) and other good and valuable consideration, the receipt and sufficiency of which from the Assignee[s] is hereby acknowledged, by these presents, I, the Assignor, have sold, assigned, transferred, and set over, and do hereby sell, assign, transfer and set over unto the Assignee[s], its/their lawful successors and assigns, my entire right, title, and interest in and to this invention and these applications, and all divisions, and continuations thereof, and all Letters Patent that may be granted thereon, and all reissues thereof, and all rights to claim priority on these of such applications, and all applications for Letters Patent that may hereafter be filed for this invention in any country and all Letters Patent that may be granted on this invention in any country, and all extensions, renewals, and reissues thereof; and I hereby authorize and request the Commissioners of Patents (or other appropriate official whose duty is to issue patents) of the United States, Canada, and any other country, to issue Letters Patent for this invention to the Assignee[s], its/their successors and assigns, in accordance with the terms of this Assignment;

AND, I HEREBY covenant that I have the full right to convey the interest assigned by this Assignment, and I have not executed and will not execute any agreement in conflict with this Assignment;

AND, I HEREBY further covenant and agree that I will communicate with the Assignee[s], its/their successors and assigns, any facts known to me respecting this invention, testify in any legal proceedings, sign all lawful papers when called upon to do so, execute and deliver any and all papers that may be necessary or desirable to perfect the title to this invention in said Assignee[s], its/their successors or assigns, execute all divisional, continuation, reissue, and re-examination applications, make all rightful oaths and generally do everything possible to aid the Assignee[s], its/their successors and assigns, to obtain and enforce proper patent protection for this invention in any country, it being understood that, irrespective of whether I am in the employ of the Assignee[s] or its/their affiliates, any expense incident to the performance of the obligations of the present paragraph shall be borne by the Assignee[s], its/their successors, and assigns.

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IN TESTIMONY WHEREOF, I HAVE SIGNED:

<i>Date</i>	<i>Place</i>	<i>Inventor Name & Signature</i>	<i>Witness Name & Signature</i>
18/09/17	Paris, France	Silvère BONNABEL	inventor's Silvère BONNABEL witness J. LACOURIA J. Lacouria

PATENT

RECORDED: 12/04/2017

REEL: 044292 FRAME: 0045