505429205 04/16/2019

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT5476005

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
HOUSSEM MAGHREBI	01/07/2019
GUILLAUME DABOSVILLE	01/07/2019
EMMANUEL PROUFF	01/07/2019

RECEIVING PARTY DATA

Name:	SAFRAN IDENTITY & SECURITY	
Street Address: 11 BLD GALLIENI		
City: ISSY LES MOULINEAUX		
State/Country: FRANCE		
Postal Code:	92130	

PROPERTY NUMBERS Total: 1

Property Type	Number				
Application Number:	15709982				

CORRESPONDENCE DATA

Fax Number: (404)888-7484

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: 404-872-7000

Email: IPDocketing@wbd-us.com, nedy.calderon@wbd-us.com

WOMBLE BOND DICKINSON (US) LLP ATTN: IP **Correspondent Name:**

Address Line 1: P.O. BOX 7037

Address Line 4: ATLANTA, GEORGIA 30357-0037

ATTORNEY DOCKET NUMBER:	9936P241
NAME OF SUBMITTER:	ERIC S HYMAN
SIGNATURE:	/eric s hyman/
DATE SIGNED:	04/16/2019
	This document serves as an Oath/Declaration (37 CFR 1.63).

Total Attachments: 3

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> **PATENT** REEL: 048892 FRAME: 0965 505429205

Worldwide Assignment & US Declaration (37 CFR 1.63)4 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
Houssem MAGHREBI	c/o SAFRAN IDENTITY & SECURITY 11 Boulevard Galhéni 92130 ISSY LES MOULINEAUX FRANCE

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

Title of Invention (in E	nglish)				Antonia antoni	
Encryption	Ideocription 7	nethood prool	fected again	not side - cho	urnePaltack	٥
Title of Invention lin for			Approximation of the second of	and the second s	and the second s	American State of the Control of the
thouse de de	diffromort a	u de delchi	Thomas Ma	etigo conhe a	des attacques	pan
- O	V -	Coenaux C	reches '	0	·	•

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

Country	Filing Date	Serial Number
FRANCE	September 21, 2016	16 58874

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 IDENTITYT & SECURITY	1) BLD CALLIÉNI 92130 ISSY LES MOULINEAUX FRÂNCE

(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 filled 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 coverant 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
07/01/2019	osny	Houssem MAGHREBI	LAUGIER, Benost

PATENT REEL: 048892 FRAME: 0966

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
\$ 4114114111342	c/o SAFRAN IDENTITY & SECURITY 11 Boulevard Galliéni 92130 ISSY LES MOUTINEAUX FRANCE

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

Title of Invention (in Englis					***************************************	
Encryption	Ides oription	method i	protected	against side.	-channel	allacks.
Title of Invention (in French)					**************************************
Precide de chif	homony ou	de dochiff	romost fro	otige'contre de	attaque	cadres comand

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

Country	Filing Dote	Serial Number	
FRANCE	September 21, 2016	16 58874	

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 IDENTITYT & SECURITY	TI BLD GALLIENI 92130 ISSY LES MOULINEAUX 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 successors, applications, and all applications for 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 reexamination 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 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
07/01/2019	IM	Guillaume Jean Luc Afain DABOSVILLE	SADONILLE, Earle
			2

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	Camplete Address
Emmanuel PROUFF	c/o SAFRAN IDENTITY & SECURITY 11 Boulevard Galliéni 92130 ISSY LES MOULINEAUX FRANCE

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

Title of Invention (in English)
Encryption/description method markeded against side-channel attacks
City office of about
Title of invention (in French)
Panis de differenció au de dethistreres protego contre de altaques par
Procède de diffrement ou de déchiffrement protègé contre des attaques par

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

Country	Filing Date	Serial Number	
FRANCE	September 21, 2016	16 58874	

The above-identified application(s) was/were made or authorized to be made by me.

t believe that I am the original inventor or an original joint inventor of a claimed invention in the application.

AND, WHEREAS,

Corporation Name SAFRAN IDENTITYT & SECURITY		Complete Address						
		11 BLD GALLIÉNI 92130 ISSY LES MOULINEAUX FRANCE						
	<u></u>			my chialing library and according				
							33,000	estante e se e

(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 (C1.00) 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 successors, and all applications for Letters Patent that may hereafter be filled for this invention in any country, and all extensions, renewals, and reissues thereof; and Thereby 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
07/01/ 2019	Paris	Emmanuel PROUEF	EL BAZE, David

PATENT REEL: 048892 FRAME: 0968

RECORDED: 04/16/2019