



Acknowledgement of receipt

We hereby acknowledge receipt of the following subsequently filed document(s):

Submission number	14515139	
Application number	EP18800679.5	
Date of receipt	29 July 2025	
Filing Office	European Patent Office, The Hague	
Procedural phase	All procedures	
Your reference	GMT3707EPT LS	
Documents submitted	package-data.xml epf1038.pdf (1 p.) EXRE3-1.pdfGMT3707EPT Response to 94. 3.pdf (5 p.)	ep-sfd-request.xml CLMS-1.pdfGMT3707 - New claims.pdf (3 p.)
Submitted by	CN=secure.epoline.org	
Method of submission	Online	
Date and time receipt generated	29 July 2025, 15:50 (CEST)	
Message Digest	63:D3:A8:65:90:27:A1:38:5B:74:BB:DD:84:6F:06:E1:C4:FC:C6:B6	

/European Patent Office/

CLAIMS

1. An authentication method (20) comprising:
 - collecting (24), based on a predetermined authentication policy, at least one context data
 - 5 element;
 - constituting (28), based on the at least one collected context data element, a data packet;
 - generating (216), by using a predetermined hash type algorithm and the data packet, as input to the predetermined hash type algorithm, a hash;
 - sending the generated hash;
 - 10 - generating (220), as a hash distance generation step, a hash distance between the generated hash and a predetermined reference hash; and
 - authenticating (224) successfully or not (223) based on the generated hash distance, as an authentication step.
- 15 2. Method according to claim 1, wherein, the predetermined hash type algorithm comprising a locality sensitive hash type algorithm, the method further comprises, as the hash distance generation step and the authentication step, the following steps:
 - generating, by using the locality sensitive hash type algorithm, a score, as a level of similarity between the generated hash and the predetermined reference hash;
 - 20 - comparing the score to a predetermined threshold value; authenticating successfully only if the score is equal to or greater than the predetermined threshold value.
3. Method according to claim 1 or 2, wherein, prior to generating the hash, the method further comprises sorting, according to a numerical order, the at least one collected context data
- 25 element within the data packet.
4. Method according to any previous claim, wherein, prior to generating the hash, the method further comprises weighting, according to the authentication policy, at least one of the at least one context data element.
- 30 5. Method according to any previous claim, wherein, prior to constituting the data packet, the method further comprises grouping, according to the authentication policy, together at least two context data elements comprised within the at least one context data element, to constitute at least one corresponding context data group.

6. Method according to any previous claim, wherein, prior to generating the hash, the method further comprises ciphering, according to the authentication policy, the data packet.

5 7. Method according to claim 6, wherein a key used for the data packet ciphering includes a key generated by using a hash-based message authentication code key type derivation function.

8. Method according to any previous claim, wherein the hash type algorithm includes at least one element of a group including:

- 10 - a locality sensitive hash type algorithm;
- a Trend micro Locality Sensitive Hash type algorithm;
- a nilsimsa type algorithm;
- an sdhash type algorithm;
- an ssdeep type algorithm;
- 15 - a fuzzy matching type algorithm;
- an approximate matching type algorithm;
- a near duplicate matching type algorithm; and
- a similarity detection type algorithm.

20 9. Method according to any previous claim, wherein, each time the authentication is successful, the method further comprises storing the generated hash.

10. Method according to any previous claim, wherein, each time the authentication is successful, the method further comprises registering, instead of the predetermined reference
25 hash, the generated hash, as an updated reference hash to be used for a next authentication.

11. An authentication system (10), characterized in that, the system comprising a first authentication device (14) and at least one second authentication device (16), the first authentication device is configured to:

- 30 - collect, based on a predetermined authentication policy, at least one context data element;
- constitute, based on the at least one collected context data element, a data packet;
- generate, by using a predetermined hash type algorithm and the data packet, as input to the predetermined hash type algorithm, a hash;
- send to the second authentication device, the generated hash;

and in that the second authentication device is configured to:

- receive from the first device, the generated hash;
- generate a hash distance between the generated hash and a predetermined reference hash;
- and

- 5 - authenticate successfully or not based on the generated hash distance.



Letter accompanying subsequently filed items

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The document(s) listed below is (are) subsequently filed documents pertaining to the following application:

Application number:

EP18800679.5

Applicant's or representative's reference

GMT3707EPT LS

Name of represented party

/Luc SCHEER/

	Description of document	Original file name	Assigned file name
1	Amended claims (clean copy)	GMT3707 - New claims.pdf	CLMS-1.pdf
2	Reply to examination report	GMT3707EPT Response to 94. 3.pdf	EXRE3-1.pdf

Signatures

Place: La Ciotat
Date: 29 July 2025
Signed by: /Luc Scheer/

Representative name: Luc SCHEER
Capacity: Representative
Function of person signing: Representative

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La Ciotat, July 29, 2025

O/Ref.:

GMT3707 EPT/MQ

European Patent Application No.
Filed on
Owner

18 800 679.5 - 1218
19 Nov 2018
THALES DIS FRANCE SAS

Re: Communication pursuant to Article 94(3) EPC

Dear Sir,

This is in connection with the Communication pursuant to Art. 94(3) EPC dated February 4, 2025 for the above-mentioned patent application.

The Applicant hereby provides the following observations.

Novelty and Inventive Step – Arts. 54(2) & 56 EPC

The Examiner cites new prior art, documents D7, D9 and D10, and considers that these documents are more relevant than documents D4 and D5 cited previously.

The Examiner also considers that the patentability of the current claims (filed on November 19, 2018) has to be analyzed in view of these new documents.

The Applicant files a new set of claims where the claims on the first and the second device and their dependent claims have been deleted. The last claim has been renumbered.

Note: the Applicant considers that the new set of claims only contains two independent claims (claims 1 and newly referenced claim 11 – previously referenced claim 15).

The Applicant has doubts about the observations made against claims 1, 8 et 9 since only claim 1 is an independent claim, claims 8 and 9 being dependent from other claims. Applicant considers that the currently claims on file are claims filed on 19/11/2018, identical to those filed in the PCT application.

Anyway, since the Applicant has deleted claims concerning the first and the second device, the Applicant believes that the remaining independent new claims 1 and 11 have to be considered hereinafter.

At point 2 of the Communication, the Examiner considers that the subject-matter of claims 1, 8 and 9 is not new.

Since there is a doubt about the claims to be considered, the Applicant considers that these objections refer to claims 1, 11 and 13.

More precisely, at point 2.1 of the Communication, the Examiner considers that the subject-matter of claims 1, 8 and 9 is not new in view of document D9 (Article "A secure mobile authentication alternative to biometrics" from Azimpourkivi et al).

Document D9 describes "ai.lock », a secret image-based authentication method for mobile devices which uses an image sensor to extract authentication credentials similar to biometrics. "ai.lock" is designed for use on camera-equipped devices, enabling secure authentication. A user captures an image of an object or scene for authentication and authentication is successful if the captured image matches an image of reference. Thus, "ai.lock" enables authentication based on unique objects.

At page 29, last entire paragraph, D9 mentions that: *"Location based authentication. The user chooses as password an image of a unique scene at a frequented location (office, home, coffee shop), e.g., section of book shelf, painting, desk clutter. This approach can be generalized to enable location based access control, e.g., to provide restricted access to files and networks in less secure locations."*

Referring to figure 1 of D9, it is apparent that "ai.lock" is a model that *"converts an image to a binary "imageprint", and uses it as a biometric, in conjunction with a secure sketch solution, to securely store authentication information on the device or on a remote server. The user can authenticate only if she is able to capture another image of the same object or scene"*.

Document D9 is therefore more relevant than the previously cited documents since it proposes to compare a stored image (a reference) with an image taken by the user in order to authenticate himself.

However, the Applicant considers that document D9 does not describe the sending of a hash of an image: in D9, a hash is computed by the system but only after the reception of the image by the server (secure sketch). A comparison is then performed with a reference-image (measure of a Hamming distance).

This is not the case in the claimed invention where the independent claims mention the following steps:

- *generating, by using a predetermined hash type algorithm and the data packet, as input to the predetermined hash type algorithm, a hash;*
- *sending the generated hash;*

In document D9, there is no problem of bandwidth. In the invention, as said previously in a former answer to a Communication, the idea underlying the invention is to avoid the bandwidth-related problems found in the prior art that, once the user captures the context data (for example an image) as defined by the authentication policy, he/she needs to send that entire and private information to the authentication server for its subsequent authentication.

If the bandwidth is limited, there are problems for sending such an image.

Therefore, the invention proposes to send a hash of the context data element, this providing also confidentiality of the transmitted information (it is a hash, not an image for instance).

At point 2.2 of the Communication, the Examiner considers that the subject-matter of claim 8 is not new in view of document D7.

Document D7 discloses a system for time and/or location authentication. A hash value is received from a client device and a hash value receiving time of the received hash value is stored. A data block is received after receiving the hash value is received, the received data block comprising alleged transmission signal data. A computed hash value of the received data block is computed, and an estimated transmission signal client receiving time by the client is calculated based on the alleged transmission signal data. A timely possession of the received data block by the client device is authenticated based on a comparison of the computed hash value to the received hash value and a comparison of the hash value receiving time to the estimated transmission signal client receiving time. (see Abstract)

In D7, as disclosed at §4, the problem is to propose "a time and/or location authentication method". At §29, it is mentioned that "embodiments provide at least one enabled client receiver

and at least one enabled authentication processor with access to a hash function or more specifically a cryptographic hash function to improve time and/or location authentication. When an authentication comprises at least some location element the authentication may also be referred to as geothentication."

This is for the definition of the term "geothentication".

Further, §30 precises:

"[0030] A need has developed for a new paradigm of access control leveraging factors beyond three factors (e.g., what you know, what you have, and who you are) of authentication by adding geospatial location/context (e.g., where you are) that can assist with adding a less spoofable approach. Such geolocation information that can be used for authentication (hence the term geothentication) may be transmitted by a client device to an authentication processor to provide further proof or assurance to a authentication processor that a client device is not tied to a spoofer or other ill-intentioned user."

Further, at the end of §33, D7 mentions:

"Embodiments of the disclosure significantly reduce a time window of opportunity for a spoofer to generate a false geothentication signal."

Then §34 precises:

"[0034] For example, a geothentication method may require a client device to sample 2 bits of data at 20 MHz (digital communication bandwidth of the GPS P(Y) code signal) for five satellites, to collect this for 10 milliseconds, and to send this block of data to an authentication server. A block of authentication data in this example would be $2 \times 20 \times 5 \times 0.01 = 2$ megabits every 10 milliseconds. If a digital communication bandwidth between the client device and the authentication server is a maximum of 1 megabit per second, at least 2 seconds may be needed for a 10 millisecond block of authentication data to be transferred from the client device to the authentication server. In another example, the client device may sample 4 bit complex samples of spectrum data at 10 MHz bandwidth."

Paragraph 34 has been interpreted by the Examiner as meaning that a "specific sampling bitrate at a specific frequency" corresponds to "an authentication policy".

The Applicant respectfully disagrees with such an interpretation: the specific sampling bitrate and frequency are considered in D7 in order to "reduce a time window of opportunity for a spoofer to generate a false geothentication signal" like disclosed at §33. This is also emphasized at §39 that mentions that it is worthful to prove timely existence of geothentication information in order that a spoofer may not have sufficient time to generate a false

geothentication signal. That's why document D7 proposes to add a "time stamp" to the geothentication data to prove that a given user was at a given place at a given time. This improves the authentication strength as expressed at §30:

"[0030] A need has developed for a new paradigm of access control leveraging factors beyond three factors (e.g., what you know, what you have, and who you are) of authentication by adding geospatial location/context (e.g., where you are) that can assist with adding a less spoofable approach".

In order to clearly understand the paragraphs mentioned by the Examiner, it is important to understand the context, at least by reading paragraphs 32 to 50 of D7, because selecting only paragraph 34 does not represent the purpose explained therein.

Therefore, the Applicant believes that paragraph 34 cannot lead to interpret that *"specific sampling bitrate at a specific frequency"* corresponds to *"an authentication policy"*.

Therefore, the Applicant considers that document D7 does not anticipate the independent claims that comprise this feature.

It is believed from the foregoing that the current set of claims is now in order and satisfies all the requirements of the EPC.

Nevertheless, if any outstanding objections remain, and in view of the fog on the discussed claims, the Examiner is invited to contact the undersigned by telephone or e-mail or issue another communication under Art. 94(3) EPC.

Yours faithfully,

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Encl.: new set of claims



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Questions about this communication?
Contact Customer Services at www.epo.org/contact



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Date	21.05.2025
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Reference GMT3707 DD/EG	Application No./Patent No. 18800679.5 - 1218 / 3732600
Applicant/Proprietor Thales Dis France SAS	

Extension of time limit pursuant to Rule 132(2) EPC

Examination procedure

With reference to your request, the time limit for replying to the communication pursuant to Article 94(3) EPC dated 04.02.25 has been extended

by 2 months

to a total of 6 months

from the date of notification of the above-mentioned communication.

Please note: To the extent that your request exceeded the above extension, your request has been refused.

Note

The granting of extensions to time limits is governed by the Implementing Regulations to the EPC and the Guidelines for Examination in the EPO, E-VIII, 1.6. A request for extension, which would result in the total period set exceeding six months, must be reasoned and supported by evidence.

If no reply to the communication is received in due time, the European patent application will be deemed to be withdrawn (Art. 94(4) EPC).

Date

Application No. 18800679.5

Important information in case of a PACE request

If a PACE request has been validly filed for the application, the applicant is herewith informed that with the grant of the request for extension of time limit the application is removed from the PACE programme. A second PACE request for that application during the same stage of the procedure will not be processed (see OJ EPO 2015, A93, point 4).

For the Examining Division





Acknowledgement of receipt

We hereby acknowledge receipt of the following subsequently filed document(s):

Submission number	14296100	
Application number	EP18800679.5	
Date of receipt	15 May 2025	
Filing Office	European Patent Office, The Hague	
Procedural phase	All procedures	
Your reference	GMT3707EPT LS/EG	
Documents submitted	package-data.xml epf1038.pdf (1 p.)	ep-sfd-request.xml OTHER-1.pdf\GMT3707 EPT Extension reponse à 94.3.pdf (1 p.)
Submitted by	CN=secure.epoline.org	
Method of submission	Online	
Date and time receipt generated	15 May 2025, 16:48 (CEST)	
Message Digest	38:F5:55:12:67:10:81:DA:6C:04:34:A8:D5:3D:3C:EB:E7:9A:05:C1	

/European Patent Office/



Letter accompanying subsequently filed items

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The document(s) listed below is (are) subsequently filed documents pertaining to the following application:

Application number:

EP18800679.5

Applicant's or representative's reference

GMT3707EPT LS/EG

Name of represented party

/Luc SCHEER/

	Description of document	Original file name	Assigned file name
1	Other document	GMT3707 EPT Extension reponse à 94.3.pdf	OTHER-1.pdf

Signatures

Place: La Ciotat
Date: 15 May 2025
Signed by: /Luc Scheer/

Representative name: Luc SCHEER
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Function of person signing: Representative

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European Patent Office
For the Examining Division
80298 Munich GERMANY

May 15, 2025

Re: Patent Application N° **18800679.5 -1218**
in the name of **THALES DIS FRANCE SAS**
Communication pursuant to Article 94(3) EPC dated **February 4, 2025**
O/Ref GMT3707EPT LS/EG

Dear Sirs

In response to above cited notification pursuant to Article 94(3) EPC, the applicant requires an extension of time of two months.

We thank you in advance and remain,

Yours Faithfully,

Luc Scheer

European Patent Attorney

The examination is being carried out on the **following application documents**

Description, Pages

1-20 as published

Claims, Numbers

1-10 as filed on 04-07-2019

Drawings, Sheets

1/2, 2/2 as published

1 The Applicant has left the claims unamended and argued why in his view, the claimed subject-matter of claim 8 is inventive over documents D4-D5. While the examining division is not persuaded by these arguments as the Applicant does not appear to clearly invalidate the pending inventive step objection relating to claim 8 by explicitly indicating which features are not known and what problem they solve over D4, the following documents found in a top-up search and cited below by the Examiner are deemed even more pertinent than documents D4-D5 and it appears more expedient at this stage to examine patentability of the claims on their basis. The numbering will be adhered to in the rest of the procedure.

D7 US 2014/108800 A1 (LAWRENCE DAVID [US] ET AL) 17 April 2014 (2014-04-17)

D9 AZIMPOURKIVI MOZHGAN ET AL: "A Secure Mobile Authentication Alternative to Biometrics", PROCEEDINGS OF THE 2022 INTERNATIONAL CONFERENCE ON MANAGEMENT OF DATA, ACM-PUB27, NEW YORK, NY, USA, 4 December 2017 (2017-12-04), pages 28-41, XP058833486, DOI: 10.1145/3134600.3134619 ISBN: 978-1-4503-9572-4

D10 US 2015/026785 A1 (SOON-SHIONG PATRICK [US]) 22 January 2015 (2015-01-22)

2 The present application does not meet the requirements of Article 52(1) EPC because the subject-matter of claims 1, 8 and 9 is not new within the meaning of Article 54(1) and (2) EPC.

2.1 Document D9 discloses

An authentication method (see section 1 Introduction : "As illustrated in Figure 1, a user sets her reference credential to be an image of a nearby object or scene. To authenticate, the user captures a candidate image; the authentication succeeds only if the candidate image contains the same object or scene as the reference image.") *comprising:*

- *collecting, based on a predetermined authentication policy, at least one context data element;* (section 2 figure 1 "capture candidate image")
- *constituting, based on the at least one collected context data element, a data packet* (figure 1 "image print" and section 2, "converts the image to a binary imageprint");
- *generating, by using a predetermined hash type algorithm and the data packet, as input to the predetermined hash type algorithm, a hash* (figure 1 "secure sketch" and section 4, in particular section 4.3 LSH where a locality sensitive hash is generated);
- *sending the generated hash* (section 2 "Finally, we assume the use of standard secure communication channels for the remote authentication scenario where the user credentials are stored on a server." /this implies that the secure sketch consisting of the hash is sent to the remote server for authentication);
- *generating, as a hash distance generation step, a hash distance between the generated hash and a predetermined reference hash;* (see section 3, in particular "we introduce the LSH-related notion of locality sensitive image mapping functions. Specically, let $d : \{0, 1\}^\lambda \times \{0, 1\}^\lambda \rightarrow \mathbb{R}$ be a distance function (e.g., Hamming) " ,) and
- *authenticating successfully or not based on the generated hash distance, as an authentication step* (section 4.1 "we extend the secure sketch under the Hamming distance solution from [17]: reconstruct the biometric credential, then compare its hash against a stored value" in combination with the previous citation).

This anticipates the subject-matter of claims 1, 8 and 9.

2.2 Furthermore, document D7 discloses :

A first authentication device (§46 "client device 108"), characterized in that the first authentication device is configured to:

- *collect, based on a predetermined authentication policy, at least one context data element; (§46 "The client device 108 comprises the client receiver 200 and is able to collect and store at least a portion of digital samples 226 (FIG. 2) of the (RF signals) client received satellite signals 146" noting that according to §34 a specific sampling bitrate at a specific frequency is predetermined according to the satellite communication policy. Such predetermined collection parameters can be called an authentication policy. It is further noted that as per §40, the general goal is to authenticate a location based on context data in the form of environment data from the client, more specifically its received satellite signals. As per §§33-35, there is a problem with the large bandwidth of such collected data, i.e it allows spoofing attacks, which is why a has)*
- *constitute, based on the at least one collected context data element, a data packet (§46 "The client device 108 computes a hash value 152 of a data block 138 comprising some or all of the digital samples" / said data block is a data packet constituted as claimed based on the collected samples that include context data elements);*
- *generate, by using a predetermined hash type algorithm and the data packet, as input to the predetermined hash type algorithm, a hash; (§ 46 "The client device 108 computes a hash value 152 of a data block 138 comprising some or all of the digital samples") and*
- *send to a second authentication device the generated hash (§47 "The client device 108 transmits a hash value 152 to at least one authentication server 112 for processing.").*

Thus document D8 discloses all the features of claim 8.

2.3 Applicant's arguments

While the Applicant has not had an opportunity to discuss D8 in the present procedure, it is pointed out with respect to his arguments relating to D4-D5 that D8 is more pertinent to the extent that it addresses an issue of bandwidth when transferring context data to an authentication server and is thus exactly dealing with the same problem using the same idea, i.e. using a hash of context data elements. The Applicant's arguments thus do not apply to D8. The Applicant further argues that the invention allows a matching on non-identical data. This, however, does not apply to claim 11 that does not comprise the distance-based matching procedure of claims 1 and 9.

2.4 Document D4 discloses

A second authentication device (MCD 110-1, see figures 1-2), characterized in that the second authentication device is configured to:

- *receive a generated hash; (see §60 : fuzzy hash is generated by unit 235 of first MCD 110-1, see figures 1-2. This fuzzy hash is then compared by comparison logic 237 of first MCD 110-1, see figures 1-2 , see §§63-65 / This implies that the generated fuzzy hash is received by unit 237 from unit 235)*
- *generate a hash distance between the generated hash and a predetermined reference hash; (§63-65, in particular §64 "For example, the fuzzy hashes of two objects may be compared to determine a similarity measure. The similarity measure may describe the percentage or number of matching hash values between the two fuzzy hashes.") and*
- *authenticate successfully or not based on the generated hash distance (§64 "In one embodiment, a similarity measure above a predefined similarity threshold indicates that the objects are similar.").*

Thus document D4 discloses all the features of claim 8.

2.5 Applicant's arguments

The Applicant has not specifically identified differences between D4 and claim 9 in its argumentation. The present examining division is not able to identify any difference as clear from the above detailed mapping.

- 3 Document D10 is also very pertinent similarly to D9 as it discloses authenticating a device/user by way of captured images of physical objects in its surrounding and use of perceptual hashing for inexact matching with reference objects.
- 4 Should the Applicant identify patentable subject-matter despite the above newly introduced documents, he is invited to file new submissions and to introduce a mention of D7-D9 and D4 in the description and adapt it to the new claims as the case may be.



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Application No. 18 800 679.5 - 1218	Ref. GMT3707 DD/EG	Date 04.02.2025
Applicant Thales Dis France SAS		

Communication pursuant to Article 94(3) EPC

The examination of the above-identified application has revealed that it does not meet the requirements of the European Patent Convention for the reasons enclosed herewith. If the deficiencies indicated are not rectified the application may be refused pursuant to Article 97(2) EPC.

You are invited to file your observations and insofar as the deficiencies are such as to be rectifiable, to correct the indicated deficiencies within a period

of 4 months

from the notification of this communication, this period being computed in accordance with Rules 126(2) and 131(2) and (4) EPC. One set of amendments to the description, claims and drawings is to be filed within the said period on separate sheets (R. 50(1) EPC).

If filing amendments, you must identify them and indicate the basis for them in the application as filed. Failure to meet either requirement may lead to a communication from the Examining Division requesting that you correct this deficiency (R. 137(4) EPC).

Failure to comply with this invitation in due time will result in the application being deemed to be withdrawn (Art. 94(4) EPC).



Veillas, Erik
Primary Examiner
For the Examining Division

Enclosure(s): Applicants not using the Mailbox can access patent literature via Espacenet
4 page/s reasons (Form 2906)
XP058833486, US-20080181403-A1, US-20140108800-A1, US-20150026785-A1

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Ref: Our telephone conversation on the 08/08/2023

Object :

La Ciotat August 09, 2022

Dear Sir

This letter refers to the phone conversation of the 08/08/2022.

Thank you for your message advising us to update Thales recent legal form's name [**Thales Dis France SAS**] on the addresses of our representatives. Indeed they were still domiciliated to Thales dis France SA.

We thus kindly ask you to update and record this legal form name for each representative from Thales Dis France SA to Thales Dis France SAS.

Please do not hesitate to come back to us, should you need firther explanations,

Best Regards,

Emmanuel Grevin
European patent attorney





Letter accompanying subsequently filed items

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The document(s) listed below is (are) subsequently filed documents pertaining to the following application:

Application number:

00000000.0

Applicant's or representative's reference:

OEB_Eric BIHL

	Description of document	Original file name	Assigned file name
1	Document concerning representation	OEB_Update of representatives legal form's address.pdf	FREP-1.pdf

	Payment	
1	Method of payment	Not specified

Signatures

Place: LA CIOTAT
Date: 09 August 2022
Signed by: Emmanuel Grevin 17228
Representative name: Emmanuel GREVIN
Capacity: (Representative)

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Date 25.04.2022

Reference GMT3707 DD/EG	Application No./Patent No. 18800679.5 - 1218 / 3732600
Applicant/Proprietor Thales Dis France SAS	

Refund of fees

The following fee has been paid in respect of application No. 18800679.5:

Fee	Reference	Voucher No.	Date	Currency	Amount
Fee for further processing (granting)	122	24185924	12.04.22	EUR	275,00
The fee was paid by Thales Dis France SA.					
Fee for further processing (granting)	122	24186885	12.04.22	EUR	275,00
The fee was paid by Thales Dis France SA.					

Amount refundable:	Reference	Currency	Amount	Voucher No.
	122	EUR	275,00	10200516

Refund order

1. Reason for refund: Undue payment
2. In accordance with the information on file, the refund:
(x) will be credited to EPO deposit account number 28040183

The authorizing Officer
Sommermeyer

Date

Application No. 18800679.5





European Patent Office
80298 MUNICH
GERMANY

Questions about this communication?
Contact Customer Services at www.epo.org/contact



Grevin, Emmanuel
Thales Dis France SA
Intellectual Property Department
525, avenue du Pic de Bertagne
CS12023
13881 Gemenos Cedex
FRANCE

Date 21.04.2022

Reference GMT3707 DD/EG	Application No./Patent No. 18800679.5 - 1218 / 3732600
Applicant/Proprietor Thales Dis France SAS	

Decision on the request for further processing under Rule 135(3) EPC

The request for further processing received on 12.04.22 has been granted (Art. 121(2) EPC).

- ☒ The legal consequence notified in the communication dated 08.02.22 that the application was deemed to be withdrawn shall not ensue.
- ☐ The legal consequence shall not ensue.
- ☐ The refusal of the application dated shall not ensue.
- ☐ The legal consequence notified in the communication dated that the particular loss of rights occurred shall not ensue.
- ☐ The time limit set in the communication dated is deemed to have been met.

The procedure shall be continued/the particular loss of rights shall not ensue (Art. 121(3) EPC)

Important information in case of a PACE request

If a PACE request has been validly filed for the application, the applicant is herewith informed that the application is removed from the PACE programme. A second PACE request for that application during the same stage of the procedure will not be processed (see OJ EPO 2015, A93, point 4).

For the Examining Division



Registered Letter

EPO Form 2010_02.16 (NFS) (14/04/22)

RFPR4=3

page 1 of 1



Acknowledgement of receipt

We hereby acknowledge receipt of the following subsequently filed document(s):

Submission number	10850049	
Application number	EP18800679.5	
Date of receipt	12 April 2022	
Filing Office	European Patent Office, The Hague	
Procedural phase	All procedures	
Your reference	GMT3707-EPT/MQ	
Documents submitted	package-data.xml epf1038.pdf (2 p.)	ep-sfd-request.xml WOREPLY-1.pdf\5-1. GMT3707 EPT_Response to Communication A94.3 EPC.pdf (4 p.)
Submitted by	CN=secure.epoline.org	
Method of submission	Online	
Date and time receipt generated	12 April 2022, 16:21 (CEST)	
Message Digest	25:D1:BB:4D:87:6D:16:58:81:4A:18:3A:93:DF:19:36:7D:F2:9A:1D	

/European Patent Office/



Letter accompanying subsequently filed items

Representative:

Manuel QUINTERO ROMERO
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The document(s) listed below is (are) subsequently filed documents pertaining to the following application:

Application number:

EP18800679.5

Applicant's or representative's reference:

GMT3707-EPT/MQ

	Description of document	Original file name	Assigned file name
1	Reply to search opinion/written opinion/IPER	5-1: GMT3707 EPT_Response to Communication A94.3 EPC.pdf	WOREPLY-1.pdf

	Fees	Factor applied	Fee schedule	Amount to be paid
15-1	122 Fee for further processing (non fee related cases)	1	275.00	275.00
	Total:		EUR	275.00

	Payment	
1	Mode of payment	Debit from deposit account
	Currency:	EUR
	The European Patent Office is hereby authorised to debit from the deposit account with the EPO any fees and costs indicated on the fees page.	
	Deposit account number:	28040183
	Account holder:	THALES DIS FRANCE SA
2	Refund/Reimbursement	
	Reimbursement (if any) to be made to EPO deposit account:	28040183
	Account holder:	THALES DIS FRANCE SA

Signatures

Place: Meudon
Date: 12 April 2022
Signed by: /Manuel Quintero Romero/
Representative name: Manuel QUINTERO ROMERO

Capacity

Representative

Function of person signing:

Representative

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EUROPEAN PATENT OFFICE

D-80298 MUNCHEN
ALLEMAGNE

Meudon, April 12, 2022

O/Ref.:

GMT3707 EPT/MQ

European Patent Application No.
Filed on
Owner

18800679.5 - 1218
19 Nov 2018
THALES DIS FRANCE SAS

Re: Communication pursuant to Article 94(3) EPC

Dear Madam, Dear Sir,

This is in connection with the Communication pursuant to Art. 94(3) EPC dated on 6 July 2021 for the above-mentioned patent application. Following the reception of the noting of loss of rights pursuant to Rule 112(1) EPC, further processing under Art. 121 EPC is hereby requested by payment of the prescribed fee.

The Applicant hereby provides the following observations. Therefore, the omitted act as mentioned in Rule 135(1) EPC shall be considered as completed.

Novelty and Inventive Step - Arts. 54(2) & 56 EPC

Although the Written Opinion of the International Search Authority admitted the novelty and inventive step of the set of claims as filed, the outstanding Communication states that the claims do not involve an inventive in light of D4 to D6. The applicant respectfully disagrees with this opinion for the ensuing reasons.

At the outset, the Applicant wishes to stress out that the idea underlying the invention is to avoid the bandwidth-related problems found in the prior art that, once the user captures the context data as defined by the authentication policy, he/she needs to send that entire and private information to the authentication server for its subsequent authentication.

This comes because the authentication policies requiring environment or context input are, unlike usernames and passwords, not fixed and may slightly differ in an acceptable manner. Therefore, if the protocol requires simply hashing the data packet before being sent, to save bandwidth while avoiding disclosing private data, the data originally captured should be identical to the template stored in the server, which is statistically impossible.

Thus, first, the present invention dispense with uploading the entire captured signal of the environment that needs several Mb while, second, still allows the server to authenticate the received data even if slightly differs in an acceptable manner with the stored template. As it will be discussed herein-below, none of the new cited documents D4 to D6 addresses this very same problem or proposes a solution which could be applicable to solve it.

Document D4 : US2015/0096023A1

Document D4 describes a system for classifying a suspect object in a malware system using a fuzzy hash of behaviours of the suspect object and clusters of previously classified objects.

In particular, D4 proposes a Malicious Content Detection (MCD) system configured to capture and analyse the processes caused in the communication apparatus by the suspect object to generate a fuzzy hash therewith. The fuzzy hash allows grouping “similar” objects in clusters for further automatic classification using machine-learning techniques. Thus, thanks to previously classified objects, the MCD is able to accurately classify the behavioural fuzzy hash of the suspect object and determine if it is a malware.

Then, first, D4 uses “fuzzy hashes” because it is a requisite for subsequently using unsupervised machine-learning techniques.

Further, D4 intercepts thanks to the network interface the data traffic and eventually determines whether it is a malware running. For instance, this can be seen in [0022] wherein it is explained that the “content” refers to information transmitted over a network as one or more messages, namely a grouping of information that comprises a header and a payload.

Nevertheless, this content is intercepted to be analysed in parallel, but not converted into another format because of the bandwidth and privacy issues stated. That is, after calculating the fuzzy hash and applying the ML automatic classification, if there is no malware found, the original content continues its way towards the target destination (e.g., server).

On the contrary, the present invention proposes to convert this content into another lighter and privacy-preserving form that can be accurately interpretable (for authentication purposes) by the other end despite slight deviation from stored templates at server side.

It is to be noted that the set of claims positively recite the authentication purpose and the claimed steps are functionally linked to this purpose as required by the Guidelines for Examination. Thus, the skilled person would not find the slightest incentive on D4 to solve the stated problems in the authentication context.

Document D5 : US2016/0323243A1

Document D5 is not directed to the authentication purpose either.

Instead, the purpose of D5 is to protect systems from data leaking by identifying and analyzing the digital fingerprint for a data package. In particular, it is identified both the data corpus of the message being transmitted and its context.

The way of working is similar to the one of D4. In D5, the data leak prevention system first identifies an equivalence relation that characterizes the degree of similarity between the digital fingerprint and a domain specific identifier and, second, employs machine learning methods to enable enhanced identification and analysis. Finally, thanks to this accurate and easy-to-implement identification of patterns, actions can be taken within each message that exist within the organization to prevent this leak.

Therefore, D5 has nothing to do either with the claimed method of claim 1. In fact, alike D4, in D5, the original message is not retained by the protection system, but continues towards its destination.

At least for this reason, it is not obvious either for the skilled person to arrive at the subject-matter of the independent claim 1 from D5.

Document D6 : US9594906B1

Document D6 is not directed to the authentication purpose either.

Document D6, alike D4, is directed to a method to determine if a client device is infected by a malicious file. Namely, a set of fuzzy hashes are generated from a file identification information associated with execution results of the malicious file.

Therefore, as outlined above, it is considered that D6 does not lead the skilled person to the claimed authentication solution or suggest at any extend solving the stated drawbacks of the present invention.

Thus, claim 1 is considered new and inventive in view of the cited prior art and, especially, in view of document D4 to D6.

The same arguments apply *mutatis mutandis* to the subject-matter of claims 8, 9, 10. As a matter of fact, none of these documents disclose the purpose of authentication and hence does not disclose a client and server device specifically envisaged to exchange for requesting authentication and responding accordingly as stated in the independent claims 8, 9, and 10.

Dependent claims 2 to 7 are also considered new and inventive by virtue of their dependency on claim 1.

Miscellaneous

Applicant considers that modifying the existing two-part form is unsuitable as it would give a distorted or misleading picture of the invention over the prior art.
Further, D1 is already cited in the Background of the invention.
Finally, the Applicant agrees with leaving only the last of set of claims (filed on 16 Nov. 2018).

CONCLUSION

It is believed from the foregoing that the claim set is now in order and satisfies all the requirements of the EPC.

Nevertheless, if any outstanding objections remain, the Examiner is invited to either contact the undersigned by telephone or issue a communication under Art. 94(3) EPC. Solely as a precaution in the event the Examiner is minded to refuse the application, Oral Proceedings are formally requested under Art. 116 EPC throughout the examination procedure.

Yours faithfully,

Manuel QUINTERO ROMERO
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European Patent Office
80298 MUNICH
GERMANY

Questions about this communication?

Contact Customer Services at www.epo.org/contact



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Formalities officer

Gottar, Chantal

Date

08.02.2022

Reference GMT3707 DD/EG	Application No./Patent No. 18800679.5 - 1218 / 3732600
Applicant/Proprietor Thales Dis France SAS	

Noting of loss of rights pursuant to Rule 112(1) EPC

The European patent application is deemed to be withdrawn under Article 94(4) EPC, because the invitation to file observations on the communication from the Examining Division dated 06.07.21 was not complied with.

Means of redress

Request for a decision (R. 112(2) EPC)

If the applicant considers that the finding of the European Patent Office is inaccurate, he may, within a (non-extendable) period of **two months** after notification of this communication, apply in writing for a decision on the matter. The application can only lead to the finding being reversed if this does not actually correspond to the factual or legal situation.

Further processing (Art. 121 EPC)

The legal consequence of the failure to observe the time limit shall be deemed not to have ensued if, within a (non-extendable) period of **two months** after notification of this communication, further processing is requested by payment of the fee prescribed under Article 2(1)12 of the Rules relating to Fees and the omitted act is completed (R. 135(1) EPC).

Making payments

For payments made via deposit account, please note that as from 1 December 2017 debit orders will only be carried out if filed in an electronically processable format (xml), using an accepted means of filing as laid down in the Arrangements for deposit accounts (ADA), published in the Supplementary publication in the Official Journal.

All relevant information related to the modes of payment of fees to the EPO can be retrieved from the EPO website at "**Making Payments**".

Information concerning fee amounts

Procedural fees are usually adjusted every two years, on even years, with effect from 1 April. Therefore, before making a payment, parties should verify the amounts actually due on the date of payment using the applicable version of the Schedule of fees and expenses, published as a Supplement to the Official Journal of the EPO, available on the EPO website (www.epo.org) at www.epo.org/schedule-of-fees . The "Schedule of fees" table allows the viewing, downloading and searching of individual fee amounts, both current and previous.

Registered Letter

EPO Form 2021A 12.17 (31/01/22)

ADWI 11

page 1 of 2

Important note to users of the automatic debiting procedure

The fee for further processing will be debited automatically on the day on which the above-mentioned omitted act is completed.

For the Examining Division





European Patent Office
80298 MUNICH
GERMANY

Questions about this communication?
Contact Customer Services at www.epo.org/contact



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FRANCE

Date 23.12.2021

Reference GMT3707 DD/EG	Application No./Patent No. 18800679.5 - 1218 / 3732600
Applicant/Proprietor Thales Dis France SAS	

Communication

concerning the registration of amendments relating to

- ☒ a transfer (R. 22 and 85 EPC)
- ☐ entries pertaining to the applicant / the proprietor (R. 143(1)(f) EPC)

As requested, the entries pertaining to the applicant of the above-mentioned European patent application / to the proprietor of the above-mentioned European patent have been amended to the following:

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV
MC MK MT NL NO PL PT RO RS SE SI SK SM TR
Thales Dis France SAS
6, rue de la Verrerie
92190 Meudon/FR

The registration of the changes has taken effect on 04.11.21.

In the case of a published application / a patent, the change will be recorded in the European Patent Register and published in the European Patent Bulletin (Section I.12 / II.12).

Important note for EPO deposit account holders

If you would like to have fee refunds credited to a deposit account held with the EPO, you should ensure that you provide clear and up-to-date refund instructions to this effect, using one of the permitted electronic means of filing (see Arrangements for deposit accounts (ADA)).

Important note for users of the automatic debiting procedure

If a transfer is registered, any existing automatic debit order will cease to be effective only from the date of its express revocation (see Annex A.1 to the ADA).

Receiving Section / For the Examining Division / For the Opposition Division / For the Legal Division *)



*) See note.

Note

This communication is issued by/for the department with whom responsibility lies. The Legal Division is responsible for the registration of transfers, changes of name (Articles 71, 72 and 74 EPC and Rules 22 and 85 EPC) as well as for the rectification of the designation of the inventor (Rule 21 EPC) (see Decision of the President of the EPO, OJ EPO 2013, 600). In all other cases, the Receiving Section, the Examining Division or the Opposition Division is responsible, depending on the stage in proceedings.



European Patent Office
80298 MUNICH
GERMANY

Questions about this communication ?
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Date
05.11.21

Reference: GMT3707 DD/EG	Application No./Patent No. 18800679.5 - 1218 / 3732600
Applicant/Proprietor THALES DIS FRANCE SA	

Extension of time limit pursuant to Rule 132(2) EPC

Examination procedure

With reference to your request, the time limit for replying to the communication pursuant to Article 94(3) EPC dated 06.07.21 has been extended

by 2 months

to a total of 6 months

from the date of notification of the above-mentioned communication.

Please note: To the extent that your request exceeded the above extension, your request has been refused.

Note

The granting of extensions to time limits is governed by the Implementing Regulations to the EPC and the Guidelines for Examination in the EPO, E-VIII, 1.6. A request for extension, which would result in the total period set exceeding six months, must be reasoned and supported by evidence.

If no reply to the communication is received in due time, the European patent application will be deemed to be withdrawn (Art. 94(4) EPC).

Important information in case of a PACE request

If a PACE request has been validly filed for the application, the applicant is herewith informed that with the grant of the request for extension of time limit the application is removed from the PACE programme. A second PACE request for that application during the same stage of the procedure will not be processed (see OJ EPO 2015, A93, point 4).

For the Examining Division

European Patent Applications/European Patents for Transfer registration

Case reference	Registered Owners (List)	Filing	Filing Number	Publication	Publication Number	Grant	Grant Number	English
MMM0054-EP-EPT	THALES DIS FRANCE SA (DIS)	17 juin 2008	08771236.0	24 mars 2010	2165224			SHEETING WITH COMPOSITE IMAGE THAT FLOATS
GALU0026-EP-EPT	THALES DIS FRANCE SA (DIS)	28 avr 2009	09843827.8	07 mars 2012	2426957			COMMUNICATION METHOD OF BROADCAST AND/OR MULTICAST IN WIRELESS NETWORK, AND THE EQUIPMENT THEREOF
MMM0053-EP-EPT	THALES DIS FRANCE SA (DIS)	15 oct 2009	09922454.6	03 août 2011	2350732			METHODS OF FORMING SHEETING WITH COMPOSITE IMAGES THAT FLOAT AND SHEETING WITH COMPOSITE IMAGES THAT FLOAT
GMT1426-EP-EPT	THALES DIS FRANCE SA (DIS)	12 avr 2012	12713994.7	19 févr 2014	2697745			METHOD, CIRCUIT AND CONTACTLESS COMMUNICATION DEVICE WITH ACTIVATED EMITTING
GMT1326-EP-EPT	THALES DIS FRANCE SA (DIS)	29 juin 2012	12733071.0	07 mai 2014	2727384			METHOD FOR ACCESSING AT LEAST ONE SERVICE AND CORRESPONDING SYSTEM
GMT1503-EP-EPT	THALES DIS FRANCE SA (DIS)	17 avr 2013	13710550.0	25 févr 2015	2839401			SECURE PASSWORD-BASED AUTHENTICATION FOR CLOUD COMPUTING SERVICES
GMT1339-EP-EPT	THALES DIS FRANCE SA (DIS)	19 juil 2013	13739694.1	03 juin 2015	2877957	15 mai 2019	2877957	METHOD AND DEVICE FOR PROTECTING AGAINST FAULT ATTACK(S) AN ELECTRONIC DEVICE USING A CACHE MEMORY NON ALTERABLE STRUCTURE INCLUDING CRYPTOGRAPHIC MATERIAL
GMT1012-EP-EPT	THALES DIS FRANCE SA (DIS)	03 déc 2013	13801530.0	21 oct 2015	2932646			MULTIFUNCTION SMART CARD COMPRISING A PHOTOVOLTAIC SENSOR
GMT1578-EP-EPT	THALES DIS France SA	19 déc 2013	13814128.8	28 oct 2015	2936395	02 juin 2021	2936395	FLEXIBLE HINGE MATERIAL COMPRISING CROSS-LINKED POLYURETHANE MATERIAL
MMM0010-EP-EPT	THALES DIS FRANCE SA (DIS)	11 mars 2014	14768496.3	20 janv 2016	2969583	02 déc 2020	2969583	METHOD FOR MANUFACTURING A RADIO FREQUENCY DEVICE MAINTAINING ANISOTROPIC CONNECTION DEVICE
GMT1914-EP-EPT	THALES DIS France SA	02 juin 2014	14730111.3	13 avr 2016	3005245	06 janv 2021	3005245	METHOD FOR MANUFACTURING AN ELECTRONIC ANTI-CRACKING DEVICE
GMT1690-EP-EPT	THALES DIS France SA	03 juin 2014	14729629.7	13 avr 2016	3005244			ELECTRONIC MODULE AND METHOD FOR MANUFACTURING SAME
GMT1977-EP-EPT	THALES DIS France SA	04 juil 2014	14738461.4	18 mai 2016	3020068			

GMT1999-EP-EPT	THALES DIS FRANCE SA (DIS)	31 oct 2014 14792511.9	21 sept 2016 3069277			METHOD FOR SPREADING ELEMENTARY CELLS IN INTEGRATED CIRCUIT SECURITY DOCUMENT AND MANUFACTURING METHOD THEREOF
GMT1799-EP-EPT	THALES DIS France SA	14 nov 2014 14799739.9	28 sept 2016 3072086	10 mars 2021	3072086	
GMT1979-EP-EPT	THALES DIS FRANCE SA (DIS)	17 déc 2014 14824813.1	02 nov 2016 3087767	18 oct 2017 3087767		METHOD FOR ACCESSING A SERVICE, CORRESPONDING DEVICE AND SYSTEM
GMT2654-EP-EPA	THALES DIS France SA	20 févr 2015 15305271.7	29 août 2016 3059698	31 mars 2021	3059698	METHOD FOR MANUFACTURING A SINGLE-SURFACE ELECTRONIC MODULE INCLUDING INTERCONNECTION AREAS
GMT2654-EP-EPD	THALES DIS France SA	20 févr 2015 21158480.0	25 août 2021		3869409	METHOD FOR MANUFACTURING A SINGLE-SURFACE ELECTRONIC MODULE INCLUDING INTERCONNECTION AREAS
GMT2334-EP-EPT	THALES DIS FRANCE SA (DIS)	13 avr 2015 15716507.7	15 mars 2017 3140775	30 juin 2021	3140775	DYNAMIC CHANGE OF SECURITY CONFIGURATIONS
GMT2394-EP-EPT	THALES DIS FRANCE SA (DIS)	06 août 2015 15750354.1	14 juin 2017 3178073			SECURITY MANAGEMENT SYSTEM FOR REVOKING A TOKEN FROM AT LEAST ONE SERVICE PROVIDER TERMINAL OF A SERVICE PROVIDER SYSTEM
GMT1960-EP-EPT	THALES DIS FRANCE SA (DIS)	15 sept 2015 15763903.0	02 août 2017 3198912	06 févr 2019	3198912	METHOD FOR DETECTING DYNAMICALLY THAT SECURE ELEMENTS ARE ELIGIBLE TO AN OTA CAMPAIGN AND CORRESPONDING OTA SERVER
GMT2862-EP-EPT	THALES DIS FRANCE SA (DIS)	25 sept 2015 15770871.0	28 févr 2018 3286707			USER AUTHENTICATION METHOD BASED ON BANKING PAYMENT PROCESSING
GMT2498-EP-EPT	THALES DIS FRANCE SA (DIS)	16 déc 2015 15817199.1	25 oct 2017 3235302			METHOD FOR SWITCHING FROM A FIRST TO A SECOND MOBILE NETWORK OPERATOR AND CORRESPONDING DEVICE SECURE ELEMENT
GMT2512-EP-EPT	THALES DIS France SA	16 déc 2015 15813373.6	08 nov 2017		3241143	
GMT2352-EP-EPT	THALES DIS FRANCE SA (DIS)	30 déc 2015 15821095.3	08 nov 2017 3241146	05 mai 2021	3241146	SYSTEM AND METHOD FOR OBFUSCATING AN IDENTIFIER TO PROTECT THE IDENTIFIER FROM IMPERMISSIBLE APPROPRIATION
GMT2646-EP-EPT	THALES DIS France SA	08 mars 2016 16712243.1	17 janv 2018		3268858	A METHOD FOR GENERATING AN EMBEDDED SYSTEM DERIVABLE INTO A PLURALITY OF PERSONALIZED EMBEDDED SYSTEM
GMT2808-EP-EPT	THALES DIS FRANCE SA (DIS)	08 mars 2016 16708671.9	31 janv 2018 3274946	26 mai 2021	3274946	A METHOD TO VALIDATE A DYNAMIC SECURITY CODE
GMT2795-EP-EPT	THALES DIS FRANCE SA (DIS)	30 mars 2016 16713854.4	07 févr 2018 3275591			METHOD AND CHIP FOR DETECTING A CORRUPTION OF AT LEAST ONE CONFIGURATION PARAMETER

GMT2795-EP-EPT	THALES DIS FRANCE SA (DIS)	18 avr 2016 16719330.9	21 févr 2018 3283949			METHOD FOR MODIFYING THE EXECUTION OF A PLATFORM-INDEPENDENT METHOD OF AN INTEGRATED CIRCUIT CARD
GMT2870-EP-EPT	THALES DIS FRANCE SA (DIS)	18 avr 2016 16719340.8	14 mars 2018 3292504			SECURE ELEMENT WITH SHARED MEMORIES, FOR A MULTI-IMAGE OWNER DEVICE
GMT2847-EP-EPT	THALES DIS FRANCE SA (DIS)	28 avr 2016 16720797.6	07 mars 2018 3289790			METHOD, REQUESTER DEVICE, VERIFIER DEVICE AND SERVER FOR PROVING AT LEAST ONE PIECE OF USER INFORMATION
GMT2729-EP-EPT	THALES DIS FRANCE SA (DIS)	04 mai 2016 16722602.6	21 mars 2018 3295605			METHOD FOR OPTIMIZING THE EXECUTION OF A FUNCTION WHICH GENERATES AT LEAST ONE KEY WITHIN AN INTEGRATED CIRCUIT DEVICE
GMT2694-EP-EPT	THALES DIS FRANCE SA (DIS)	13 mai 2016 16723352.7	16 mai 2018 3320437			INTEGRATED CIRCUIT CARD ADAPTED TO TRANSFER FIRST DATA FROM A FIRST APPLICATION FOR USE BY A SECOND APPLICATION
GMT2812-EP-EPT	THALES DIS France SA	20 mai 2016 16723784.1	11 avr 2018	3304432		CIRCUIT ANTENNA RADIO FREQUENCY WITH IMBRICATED MUTUAL INDUCTANCES
GMT3231-EP-EPA	THALES DIS FRANCE SA (DIS)	31 mai 2016 16305629.4	06 déc 2017 3252988		28 juil 2021 3252988	PARTIAL UNROLLING FOR SOFTWARE SECURITY
GMT2948-EP-EPT	THALES DIS FRANCE SA (DIS)	05 juil 2016 16736086.6	20 juin 2018 3335366			METHOD TO SECURE KECCAL ALGORITHM
GMT2872-EP-EPT	THALES DIS FRANCE SA (DIS)	05 juil 2016 16736089.0	11 juil 2018 3345417			METHOD TO AUTHENTICATE A SUBSCRIBER IN A LOCAL NETWORK
GMT2436-EP-EPT	THALES DIS FRANCE SA (DIS)	13 juil 2016 16739095.4	23 mai 2018 3323223			SECURITY MANAGEMENT SYSTEM FOR PERFORMING A SECURE TRANSMISSION OF DATA FROM A TOKEN TO A SERVICE PROVIDER SERVER BY MEANS OF AN IDENTITY PROVIDER SERVER
MMM0015-EP-EPT	THALES DIS France SA	30 août 2016 16844894.2	18 juil 2018 3347855		29 sept 2021 3347855	NON-CONTACT FRICTION RIDGE CAPTURE DEVICE
GMT3013-EP-EPT	THALES DIS FRANCE SA (DIS)	20 oct 2016 16787776.0	26 sept 2018 3391266		18 août 2021 3391266	METHOD, DEVICE, SERVER AND SYSTEM FOR AUTHENTICATING A USER
GMT2318-EP-EPT	THALES DIS France SA	28 oct 2016 16788523.5	12 sept 2018	3371826		METHOD FOR MANUFACTURING A DEVICE WITH INTEGRATED-CIRCUIT CHIP BY DIRECT DEPOSIT OF CONDUCTIVE MATERIAL
GMT2797-EP-EPT	THALES DIS France SA	03 nov 2016 16794252.3	12 sept 2018	3371853		METHOD FOR MANUFACTURING A RADIOFREQUENCY ANTENNA ON A SUBSTRATE AND ANTENNA THUS OBTAINED
GMT2836-EP-EPT	THALES DIS France SA	14 nov 2016 16795073.2	26 sept 2018 3378014		06 janv 2021 3378014	METHOD OF PRODUCING CONDUCTING TRACKS ON A SUPPORT

GMT2931-EP-EPT	THALES DIS France SA	25 nov 2016 16801256.5	03 oct 2018	3381038		ELECTRONIC DEVICE WITH MEMORY ERASED BY PAGE	
GMT2936-EP-EPT	THALES DIS France SA	05 déc 2016 16800979.5	17 oct 2018	3387599		A COMMUNICATION SYSTEM COMPRISING A LOCAL PAYMENT KERNEL	
GMT2732-EP-EPT	THALES DIS FRANCE SA (DIS)	09 déc 2016 16816623.3	17 oct 2018	3387813		MOBILE DEVICE HAVING TRUSTED EXECUTION ENVIRONMENT	
GMT3006-EP-EPT	THALES DIS France SA	13 déc 2016 16819307.6	24 oct 2018	3391460		SINGLE FACE ANTENNA MODULE COMPRISING CMS DEVICE	
GMT2855-EP-EPT	THALES DIS FRANCE SA (DIS)	16 déc 2016 16813064.9	07 nov 2018	3390140		METHOD, SERVER AND SYSTEM FOR AUTHORIZING A TRANSACTION	
GMT2968-EP-EPT	THALES DIS FRANCE SA (DIS)	20 déc 2016 16815856.6	31 oct 2018	3395006	05 mai 2021	3395006	METHOD FOR MANAGING A TRUSTED IDENTITY
GMT2925-EP-EPT	THALES DIS FRANCE SA (DIS)	21 déc 2016 16819553.5	31 oct 2018	3394811		METHOD AND SYSTEM FOR ENHANCING THE SECURITY OF A TRANSACTION	
GMT2938-EP-EPT	THALES DIS FRANCE SA (DIS)	21 déc 2016 16816293.1	31 oct 2018	3394778	21 avr 2021	3394778	METHOD AND SYSTEM FOR ENHANCING THE SECURITY OF A TRANSACTION
GMT2969-EP-EPT	THALES DIS FRANCE SA (DIS)	21 déc 2016 16819086.2	31 oct 2018	3394768		METHOD AND SYSTEM FOR ENHANCING THE SECURITY OF A TRANSACTION	
GMT3057-EP-EPT	THALES DIS FRANCE SA (DIS)	27 janv 2017 17701545.0	24 oct 2018	3391209	20 oct 2021	3391209	METHOD FOR MANAGING OBJECTS IN A SECURE ELEMENT
GMT2676-EP-EPT	THALES DIS France SA	06 mars 2017 17700284.9					METHOD FOR MANUFACTURING A MODULE WITH AN INTEGRATED CIRCUIT CHIP AND DEVICE COMPRISING SUCH A MODULE
GMT3073-EP-EPT	THALES DIS FRANCE SA (DIS)	13 avr 2017 17719823.1	27 févr 2019	3446502	17 mars 2021	3446502	METHOD, SERVERS AND SYSTEM FOR DOWNLOADING AN UPDATED PROFILE
GMT3198-EP-EPT	THALES DIS France SA	22 mai 2017 17724084.3	10 avr 2019	3466020			A METHOD AND AN APPARATUS FOR PUBLISHING ASSERTIONS IN A DISTRIBUTED DATABASE OF A MOBILE TELECOMMUNICATION NETWORK AND FOR PERSONALISING INTERNET OF THINGS DEVICES
GMT3284-EP-EPT	THALES DIS AIS DEUTSCHLAND GmbH (DIA AIS); THALES DIS FRANCE SA (DIS)	14 juin 2017 17731517.3	08 mai 2019	3479612	04 août 2021	3479612	METHOD FOR REMOTE PROVISIONING OF A USER EQUIPMENT IN A CELLULAR NETWORK
GMT3253-EP-EPT	THALES DIS FRANCE SA (DIS)	04 sept 2017 17758567.6	10 juil 2019	3507690			JAVA CARD APPLICATION MEMORY FOOTPRINT OPTIMIZATION
GMT3213-EP-EPT	THALES DIS FRANCE SA (DIS)	22 sept 2017 17777539.2	07 août 2019	3520314			METHOD TO COUNTER DCA ATTACKS OF ORDER 2 AND HIGHER

GMT3999-EP-EPA	CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE (CNRS);THALES DIS FRANCE SA (DIS);UNIVERSITE JEAN MONNET SAINT-ETIENNE (JEAN MONNET)	26 sept 2017 17306265.4	27 mars 2019 3459757	30 juin 2021 3459757	METHOD FOR GENERATING VARIABLE GUILLOCHE PATTERNS, IMPLEMENTING DEVICE AND IDENTIFICATION DOCUMENT COMPRISING SUCH PATTERNS
GMT3159-EP-EPT	THALES DIS FRANCE SA (DIS)	02 oct 2017 17777281.1	07 août 2019 3520366		METHOD, DATA SENDING CONTROL SERVER, STORAGE SERVER, PROCESSING SERVER AND SYSTEM FOR SENDING DATA TO AT LEAST ONE DEVICE
GMT3059-EP-EPT	THALES DIS FRANCE SA (DIS)	04 oct 2017 17780708.8	14 août 2019 3523999		METHOD, DEVICE, SERVER AND SYSTEM FOR SECURING AN ACCESS TO AT LEAST ONE SERVICE
GMT3104-EP-EPT	THALES DIS France SA	20 oct 2017 17794263.8	28 août 2019	3529796	METHOD FOR REALIZING A BISTABLE DISPLAY DEVICE WITH LOW VOLTAGE MICROCONTROLLER
GMT3308-EP-EPT	THALES DIS FRANCE SA (DIS)	20 oct 2017 17783895.0	04 sept 2019 3533014		METHOD AND SYSTEM FOR AUTOMATICALLY RECEIVING AND/OR TRANSMITTING INFORMATION RELATING TO TRANSACTIONS.
GMT3334-EP-EPT	THALES DIS FRANCE SA (DIS)	24 oct 2017 17787439.3	18 sept 2019 3538378		METHOD FOR PRODUCING A DATA CARRIER AND DATA CARRIER PRODUCED THEREFROM
GMT3356-EP-EPT	THALES DIS France SA	10 nov 2017 17797336.9	18 sept 2019	3539089	A PHYSICAL KEY FOR PROVISIONING A COMMUNICATION DEVICE WITH DATA ALLOWING IT TO ACCESS A VEHICLE RESOURCE
GMT3261-EP-EPT	THALES DIS FRANCE SA (DIS)	20 nov 2017 17800851.2	23 oct 2019 3556070	09 mai 2021 3556070	USE OF PERSONAL DEVICE FOR CONVENIENT AND SECURE AUTHENTICATION.
GMT3362-EP-EPT	THALES DIS France SA	28 nov 2017 17807832.5	23 oct 2019 3555950	26 mai 2021 3555950	METHOD FOR MANUFACTURING AN ELECTRONIC OBJECT COMPRISING A BODY AND A POROUS MEMBRANE BATTERY
GMT3318-EP-EPT	THALES DIS FRANCE SA (DIS)	06 dec 2017 17811558.0	16 oct 2019 3552338	28 juil 2021 3552338	METHOD OF RSA SIGNATURE OR DECRYPTION PROTECTED USING A HOMOMORPHIC ENCRYPTION
GMT3389-EP-EPT	THALES DIS France SA	12 dec 2017 17817718.4	23 oct 2019 3556049	27 janv 2021 3556049	METHOD FOR SYNCHRONIZED SIGNATURE WITH ADDITIVE RSA KEY SPLITTING USING A SIDING WINDOW
GMT3316-EP-EPT	THALES DIS FRANCE SA (DIS)	14 dec 2017 17825444.7	23 oct 2019 3556046	04 août 2021 3556046	METHOD FOR SECURE MANAGEMENT OF SECRETS IN A HIERARCHICAL MULTI-TENANT ENVIRONMENT

GMT3233-EP-EPT	THALES DIS FRANCE SA (DIS);SFNT Germany GmbH (SAFENET Germany)	25 janv 2018 18700785.1	04 déc 2019 3574426	03 mars 2021	3574426	METHOD TO SECURE A SOFTWARE CODE
GMT3239-EP-EPT	THALES DIS FRANCE SA (DIS);SFNT Germany GmbH (SAFENET Germany)	25 janv 2018 18700784.4	04 déc 2019	3574425		METHOD TO SECURE A SOFTWARE CODE
GMT3661-EP-EPT	THALES DIS FRANCE SA (DIS)	29 janv 2018 18701361.0	11 déc 2019 3577921	17 mars 2021 3577921		A METHOD FOR AN EUICC EMBEDDED INTO A MACHINE- TYPE COMMUNICATION DEVICE TO TRIGGER THE DOWNLOAD OF A SUBSCRIPTION PROFILE
GMT3443-EP-EPT	THALES DIS France SA	02 févr 2018 18703003.6	11 déc 2019 3577922	31 mars 2021	3577922	METHOD FOR MANAGING COMMUNICATION BETWEEN A SERVER AND A USER EQUIPMENT
GMT3501-EP-EPT	THALES DIS France SA	02 févr 2018 18703004.4	11 déc 2019	3577923		METHOD FOR ESTABLISHING A BIDIRECTIONAL COMMUNICATION CHANNEL BETWEEN A SERVER AND A SECURE ELEMENT, CORRESPONDING SERVERS AND SECURE ELEMENT
GMT3521-EP-EPT	THALES DIS France SA	02 févr 2018 18703005.1	11 déc 2019	3577924		A METHOD FOR TRANSMITTING AN EXISTING SUBSCRIPTION PROFILE FROM A MNO TO A SECURE ELEMENT, CORRESPONDING SERVERS AND SECURE ELEMENT
GMT3428-EP-EPT	THALES DIS FRANCE SA (DIS)	09 févr 2018 18703334.5	01 janv 2020 3586471	20 janv 2021 3586471		METHOD FOR GENERATING A PRIME NUMBER FOR A CRYPTOGRAPHIC APPLICATION
GMT3232-EP-EPT	THALES DIS FRANCE SA (DIS)	05 mars 2018 18707394.5	22 janv 2020 3595907			METHOD FOR OPTIMIZING A COLOUR LASER IMAGE AND DOCUMENT ON WHICH A COLOUR LASER IMAGE IS PRODUCED IN THIS WAY
GMT3355-EP-EPT	THALES DIS FRANCE SA (DIS)	08 mars 2018 18708150.0	15 janv 2020 3593554	19 mai 2021 3593554		A METHOD FOR OPTIMIZING DATA EXCHANGES BETWEEN A FIRST AND AT LEAST ONE SECOND WIRELESS COMMUNICATION DEVICE
GMT3324-EP-EPT	THALES DIS FRANCE SA (DIS)	16 mars 2018 18710883.2	13 nov 2019 3566160			METHOD FOR AUTHENTICATING A USER AND CORRESPONDING DEVICE, FIRST AND SECOND SERVERS AND SYSTEM
GMT3541-EP-EPT	THALES DIS FRANCE SA (DIS)	20 mars 2018 18710897.2	05 févr 2020 3602955			METHOD OF RSA SIGNATURE OR DECRYPTION PROTECTED USING ASYMMETRIC MULTIPLICATIVE SPLITTING
GMT3542-EP-EPT MMM0035-EP-EPT[2]	THALES DIS France SA THALES DIS France SA	20 mars 2018 18710998.0 28 mars 2018 18760995.3	19 févr 2020 3610407 29 juil 2020	3685304	20 janv 2021 3610407	ENCRYPTED MEMORY CARD Contactless Rolled Fingerprints

GMT3632-EP-EPT	SAFEHET CANADA INC. (SAFENET CA);THALES DIS France SA	04 avr 2018 18713997.7	26 févr 2020	3613169	17 mars 2021	3613169	METHOD FOR MUTUAL SYMMETRIC AUTHENTICATION BETWEEN A FIRST APPLICATION AND A SECOND APPLICATION
GMT3361-EP-EPT	THALES DIS FRANCE SA (DIS)	11 avr 2018 18715051.1	25 févr 2020 3613184		20 janv 2021 3613184		A METHOD FOR MANAGING THE REPUTATION LEVEL OF A COMMUNICATION DEVICE METHOD FOR MANAGING AN INSTANCE OF A CLASS METHOD TO REMOTELY AUTHENTICATE AN OFFICIAL DOCUMENT METHOD FOR AUTHENTICATING A FIRST USER AND CORRESPONDING FIRST DEVICE AND SYSTEM A METHOD FOR PROVISIONING A DEVICE WITH AN INFORMATION ELEMENT ALLOWING TO IDENTIFY UNAUTHORIZED USERS IN A RESTRICTED AREA
GMT3450-EP-EPT	THALES DIS FRANCE SA (DIS)	14 mai 2018 18722601.4	22 avr 2020 3639186				COMPUTING DEVICE PROCESSING EXPANDED DATA
GMT3745-EP-EPA	THALES DIS FRANCE SA (DIS)	31 mai 2018 18305668.9	04 déc 2019 3575884				METHOD FOR SECURING A CRYPTOGRAPHIC PROCESS WITH SBOX AGAINST HIGH- ORDER SIDE-CHANNEL ATTACKS A METHOD FOR GRANTING ACCESS TO A SERVICE PROVIDED BY A CONNECTED DEVICE DATA CARRIER WITH TACTILE PRINTED AREA FOR INK WRITING DATA DISPOSITIF ELECTRONIQUE A CAPTEUR D'EMPREINTE BIOMETRIQUE POUR UNE ASSISTANCE A LA SAISIE OU LECTURE D'EMPREINTE DIGITAL METHOD FOR AUTHENTICATING A USER AND CORRESPONDING USER DEVICE, SERVER AND SYSTEM
GMT3395-EP-EPT	THALES DIS FRANCE SA (DIS)	04 juin 2018 18727315.0	13 nov 2019 3566163				
GMT3460-EP-EPT	THALES DIS FRANCE SA (DIS)	07 juin 2018 18728405.4	15 avr 2020 3635692				
GMT3555-EP-EPT	THALES DIS FRANCE SA (DIS)	20 juin 2018 18730829.1	29 avr 2020 3642820				
GMT3438-EP-EPT	THALES DIS FRANCE SA (DIS)	26 juin 2018 18732824.0	06 mai 2020 3646165		04 août 2021 3646165		
GMT3546-EP-EPT	THALES DIS France SA	29 juin 2018 18733630.0	13 mai 2020	3649799			
GMT3572-EP-EPT	THALES DIS FRANCE SA (DIS)	29 juin 2018 18733883.5	06 mai 2020 3645303				
GMT3603-EP-EPT	THALES DIS FRANCE SA (DIS)	29 juin 2018 18733631.8	13 mai 2020 3649573				
GMT3523-EP-EPT	THALES DIS FRANCE SA (DIS)	06 juil 2018 18740544.4	27 mai 2020 3656146				
GMT3522-EP-EPT	THALES DIS France SA	17 juil 2018 18738363.3	10 juin 2020	3662613			
GMT3563-EP-EPT	THALES DIS FRANCE SA (DIS)	17 juil 2018 18738353.4	03 juin 2020 3659060		30 juin 2021 3659060		
GMT3651-EP-EPT	THALES DIS FRANCE SA (DIS)	31 juil 2018 18743840.3	01 juil 2020 3673490				METHOD TO SECURE A SOFTWARE CODE PERFORMING ACCESSES TO LOOK-UP TABLES CONSENSUS PROTOCOL FOR PERMISSIONED LEDGERS METHOD FOR SECURING A MACHINE LEARNING BASED DECISION SYSTEM

GMT3594-EP-EPT	THALES DIS FRANCE SA (DIS)	13 août 2018 18755191.6	24 juin 2020 3669293		METHOD FOR AUTHENTICATING A USER AND CORRESPONDING USER DEVICES, SERVER AND SYSTEM
GMT3509-EP-EPT	THALES DIS FRANCE SA (DIS)	10 sept 2018 18762871.4	22 juil 2020 3682323		METHOD FOR AMENDING THE FIRMWARE OF A RESOURCE CONSTRAINED DEVICE
GMT3850-EP-EPT	THALES DIS France SA	11 sept 2018 18765901.6	22 juil 2020	3682657	A METHOD FOR ALLOCATING TEMPORARILY A SUBSCRIPTION TO A CREDENTIAL CONTAINER
GMT3462-EP-EPT	THALES DIS FRANCE SA (DIS)	18 sept 2018 18778842.7	29 juil 2020 3685311		DATA CARRIER AND A METHOD FOR PRODUCING SUCH DATA CARRIER
GMT3611-EP-EPT	THALES DIS FRANCE SA (DIS)	25 sept 2018 18774049.3	05 août 2020 3687823		METHOD FOR THE INSERTION OF GUILLOCHE PATTERNS, METHOD FOR THE EXTRACTION OF GUILLOCHE PATTERNS, METHOD FOR THE AUTHENTICATION OF THESE GUILLOCHE PATTERNS AND DEVICES FOR IMPLEMENTATION
GMT3611-EP-ETO	THALES DIS FRANCE SA (DIS)	25 sept 2018 21162556.1	01 sept 2021 3871896		
GMT3579-EP-EPT	THALES DIS FRANCE SA (DIS)	02 oct 2018 18779687.5	12 août 2020 3692488		METHOD AND SYSTEM FOR PERFORMING A PAYMENT TRANSACTION ON A BANK TERMINAL WITH AN ELECTRONIC DEVICE
GMT3692-EP-EPT	THALES DIS FRANCE SA (DIS)	02 oct 2018 18783419.9	15 juil 2020 3692697		A METHOD FOR TRANSMITTING TO A PHYSICAL OR VIRTUAL ELEMENT OF A TELECOMMUNICATIONS NETWORK, AN ENCRYPTED SUBSCRIPTION IDENTIFIER STORED IN A SECURITY ELEMENT, CORRESPONDING SECURITY ELEMENT, PHYSICAL OR VIRTUAL ELEMENT AND TERMINAL COOPERATING WITH THIS SECURITY ELEMENT
GMT3619-EP-EPT	THALES DIS FRANCE SA (DIS)	16 oct 2018 18785969.9	23 sept 2020 3710964	22 sept 2021 3710964	A METHOD FOR IMPROVING USER AUTHENTICATION PERFORMED BY A COMMUNICATION DEVICE
GMT3682-EP-EPT	THALES DIS France SA	16 oct 2018 18785379.1	16 sept 2020	3707922	A METHOD FOR A SERVICE PROVIDER TO LAUNCH A TARGETED SERVICE IMPLEMENTED BY AN APPLICATION BELONGING TO A SECURITY DOMAIN OF AN ENTITY
GMT3680-EP-EPT	THALES DIS FRANCE SA (DIS)	23 oct 2018 18786927.8	02 sept 2020 3701668		METHODS FOR RECORDING AND SHARING A DIGITAL IDENTITY OF A USER USING DISTRIBUTED LEDGERS

GMT3640-EP-EPT	THALES DIS FRANCE SA (DIS)	29 oct 2018 18795553.9	09 sept 2020 3703955		PROCÉDÉ DE SÉCURISATION DE LA ZONE PERSONNALISÉE D'UN DOCUMENT SÉCURISÉ ET DISPOSITIF SÉCURISÉ COMPORTANT UNE TELLE ZONE PERSONNALISÉE
GMT3725-EP-EPT	THALES DIS FRANCE SA (DIS)	06 nov 2018 18795683.4	30 sept 2020 3714392		METHOD OF MANAGING A TAMPER-PROOF DEVICE COMPRISING SEVERAL SOFTWARE CONTAINERS
GMT3707-EP-EPT	THALES DIS FRANCE SA (DIS)	19 nov 2018 18800679.5	04 nov 2020 3732600		AUTHENTICATION METHOD, DEVICE AND SYSTEM
GMT3684-EP-EPT	THALES DIS France SA	28 nov 2018 18807099.9	07 oct 2020	3718246	METHOD FOR PROTECTING A SOURCE OF ENTROPY USED IN COUNTERMEASURES SECURING A WHITEBOX CRYPTOGRAPHIC ALGORITHM
GMT3039-EP-EPT	THALES DIS FRANCE SA (DIS)	30 nov 2018 18807652.5	13 mai 2020 3718345	22 sept 2021 3718245	CRYPTOGRAPHY DEVICE HAVING IMPROVED SECURITY AGAINST SIDE-CHANNEL ATTACKS
GMT3040-EP-EPT	THALES DIS France SA	30 nov 2018 18807666.1	07 oct 2020	3718250	CRYPTOGRAPHY DEVICE HAVING SECURE PROVISION OF RANDOM NUMBER SEQUENCES
GMT3667-EP-EPT	THALES DIS FRANCE SA (DIS)	04 déc 2018 18811040.7	28 oct 2020 3729283		METHOD OF ACTIVATING A FEATURE OF A CHIP
GMT3758-EP-EPT	THALES DIS FRANCE SA (DIS); Gemalto Holding Pte Ltd Branch in Korea (Gemalto South Korea)	04 déc 2018 18811039.9	21 oct 2020	3725109	METHOD OF MANAGING A TAMPER-PROOF DEVICE COMPRISING A PLURALITY OF SOFTWARE CONTAINERS
GMT3504-EP-EPT	THALES DIS FRANCE SA (DIS)	07 déc 2018 18815685.5	21 oct 2020 3724796		METHOD FOR AUTHENTICATING A USER BASED ON AN IMAGE RELATION RULE AND CORRESPONDING FIRST USER DEVICE, SERVER AND SYSTEM
GMT3618-EP-EPT	THALES DIS FRANCE SA (DIS)	07 déc 2018 18811592.7	24 juin 2020 3729850		A METHOD FOR CONTROLLING BY A SERVER THE USE OF AT LEAST ONE DATA ELEMENT OF A DATA OWNER
GMT3762-EP-EPT	THALES DIS FRANCE SA (DIS)	10 déc 2018 18811870.7	04 nov 2020 3732910		A METHOD FOR UPDATING A ONE-TIME SECRET KEY
GMT3576-EP-EPT	THALES DIS FRANCE SA (DIS)	17 déc 2018 18819116.7	04 nov 2020 3732055		COLOR LASER MARKING OF SECURITY DOCUMENT AND A METHOD FOR PRODUCING SUCH SECURITY DOCUMENT
GMT3776-EP-EPT	THALES DIS FRANCE SA (DIS)	17 déc 2018 18819117.5	04 nov 2020 3732056		IDENTIFICATION DOCUMENT WITH SEVERAL VISUAL MARKINGS AND METHOD FOR MANUFACTURING THEREOF
GMT3840-EP-EPT	THALES DIS FRANCE SA (DIS)	18 déc 2018 18816150.9	13 janv 2021 3763137		A METHOD FOR ANTICIPATING DATA EXCHANGES BETWEEN A FIRST AND AT LEAST ONE SECOND VEHICLE

GMT3851-EP-EPT	THALES DIS FRANCE SA (DIS)	19 févr 2019 19704646.9	30 déc 2020 3756325		METHOD FOR OPERATING A USER EQUIPMENT IN A CELLULAR NETWORK
GMT3768-EP-EPT	THALES DIS FRANCE SA (DIS)	22 févr 2019 19705365.3	13 janv 2021 3762240		METHOD FOR SECURING A SECURITY DOCUMENT AND SECURITY DOCUMENT OBTAINED WITH THIS METHOD
GMT3653-EP-EPT	THALES DIS FRANCE SA (DIS)	15 mars 2019 19709972.4	17 févr 2021 3777277		METHOD FOR AUTHENTICATING OF A USER AT A USER EQUIPMENT
GMT3751-EP-EPT	THALES DIS FRANCE SA (DIS)	09 avr 2019 19715122.8	17 févr 2021 3776302		METHOD FOR ACTIVATING SENSORS IN A MULTI-UNIT DEVICE
GMT3655-EP-EPT	THALES DIS France SA	16 avr 2019 19716953.5	24 févr 2021	3782324	METHOD SECURED AGAINST SIDE-CHANNEL ATTACKS PERFORMING AN ARITHMETIC OPERATION OF A CRYPTOGRAPHIC ALGORITHM MIXING BOOLEAN AND ARITHMETIC OPERATIONS
GMT3841-EP-EPT	THALES DIS FRANCE SA (DIS)	16 avr 2019 19716931.1	24 févr 2021 3782065		METHOD FOR SECURING A COMPUTER SYSTEM
GMT3761-EP-EPT	THALES DIS FRANCE SA (DIS)	17 avr 2019 19717497.2	24 févr 2021 3782060		METHOD TO AUTHENTICATE AN IDENTITY DOCUMENT
GMT3873-EP-EPT	THALES DIS FRANCE SA (DIS)	30 avr 2019 19720615.4	10 mars 2021 3788808		Method for personalizing pre-generated protected profiles and corresponding system
GMT3883-EP-EPT	THALES DIS France SA	02 mai 2019 19720659.4	24 mars 2021	3794480	ELECTRONIC SYSTEM AND METHOD FOR PREVENTING MALICIOUS ACTIONS ON A PROCESSING SYSTEM OF THE ELECTRONIC SYSTEM
GMT3800-EP-EPT	THALES DIS FRANCE SA (DIS)	13 mai 2019 19722638.4	24 mars 2021 3794538		PROCEDE ET SYSTEME D'ENROLEMENT AUTONOME POUR DETENTEUR DE DISPOSITIF BIOMETRIQUE
GMT3876-EP-EPT	THALES DIS FRANCE SA (DIS)	16 mai 2019 19723805.8	14 avr 2021 3803750		METHOD AND SYSTEM FOR IMPLEMENTING A VIRTUAL SMART CARD SERVICE
GMT3625-EP-EPT	THALES DIS FRANCE SA (DIS)	29 mai 2019 19729469.7	10 nov 2021 3906485		METHOD AND SYSTEM FOR MANAGING ACCESS TO A SERVICE
GMT3999-EP-EPT	THALES DIS FRANCE SA (DIS)	11 juin 2019 19730747.3	21 avr 2021 3807831		Method and system to create a trusted record or message and usage for a secure activation or strong customer authentication
GMT3869-EP-EPT	THALES DIS France SA	17 juin 2019 19730786.1	21 avr 2021	3808027	METHOD FOR SECURELY SHARING DATA UNDER CERTAIN CONDITIONS ON A DISTRIBUTED LEDGER
GMT3923-EP-EPT	THALES DIS FRANCE SA (DIS)	16 juil 2019 19737786.4	16 juin 2021 3834105		ANTI CLONING FOR WHITE BOX PROTECTED DATA
GMT3974-EP-EPT	THALES DIS FRANCE SA (DIS)	08 août 2019 19749366.1	23 juin 2021 3837820		METHOD OF MANAGING THE CONNECTIVITY OF A SECURITY ELEMENT TO A CELLULAR TELECOMMUNICATIONS NETWORK

GMT3899-EP-EPT	THALES DIS FRANCE SA (DIS)	09 août 2019 19749374.5	23 juin 2021 3837872		METHOD FOR TRANSFERRING FROM A FIRST DEVICE A KEY TO A SECOND DEVICE IN A TELECOMMUNICATION NETWORK
GMT3592-EP-EPT	THALES DIS FRANCE SA (DIS)	16 août 2019 19753096.7	30 juin 2021 3841769		METHOD FOR PERSONALIZING AN IMPROVED UICC COOPERATING WITH A TERMINAL
GMT3907-EP-EPT	THALES DIS FRANCE SA (DIS)	22 août 2019 19756188.9	14 juil 2021 3847836		METHOD FOR UPDATING A SECRET DATA IN A CREDENTIAL CONTAINER
GMT3954-EP-EPT	THALES DIS FRANCE SA (DIS)	22 août 2019 19756189.7	04 août 2021 3857427		METHOD FOR BUILDING A PREDEFINED SECRET VALUE
GMT3880-EP-EPT	THALES DIS FRANCE SA (DIS)	30 août 2019 19758996.3	14 juil 2021 3847035		Procédé de fabrication d'un support à puce présentant un effet de surface
GMT3893-EP-EPT	THALES DIS FRANCE SA (DIS)	17 sept 2019 19766272.9	28 juil 2021 3853753		METHOD TO UPGRADE A TEE TRUSTED APPLICATION TO A SERVER MODE
GMT3879-EP-EPT	THALES DIS FRANCE SA (DIS)	18 sept 2019 19768842.7	11 août 2021 3861476		A CONNECTED DEVICE ADAPTED TO MEASURE AT LEAST A PHYSICAL QUANTITY
GMT3902-EP-EPT	THALES DIS FRANCE SA (DIS)	30 sept 2019 19782962.5	18 août 2021 3864878		
GMT4025-EP-EPT	THALES DIS FRANCE SA (DIS); THALES DIS CANADA INC (DISCA); THALES DIS CPL USA, Inc. (CPL USA)	07 oct 2019 19782607.6	18 août 2021	3864558	METHOD FOR MANAGING DATA OF DIGITAL DOCUMENTS
GMT3905-EP-EPT	THALES DIS FRANCE SA (DIS)	07 nov 2019 19801001.9	22 sept 2021 3881582		A METHOD FOR TRANSFERRING A MSISDN FROM A FIRST TO A SECOND SECURE ELEMENT AND CORRESPONDING COMPUTER PROGRAM
GMT3900-EP-EPT	THALES DIS FRANCE SA (DIS)	13 nov 2019 19801353.4	22 sept 2021 3881576		A METHOD AND NETWORK SERVER FOR AUTHENTICATING A COMMUNICATION APPARATUS
GMT3941-EP-EPT	THALES DIS FRANCE SA (DIS); SAFENET CANADA INC. (SAFENET CA)	13 nov 2019 19795674.8			METHOD FOR GENERATING STATEFUL HASH BASED SIGNATURES OF MESSAGES TO BE SIGNED
GMT3981-EP-EPT	THALES DIS FRANCE SA (DIS)	15 nov 2019 19801388.0	29 sept 2021 3884635		A METHOD AND APPARATUS FOR AUTHENTICATING A GROUP OF WIRELESS COMMUNICATION DEVICES
GMT3912-EP-EPT	THALES DIS FRANCE SA (DIS)	19 nov 2019 19801926.7			METHOD, FIRST AND SECOND DEVICE AND SYSTEM FOR CONNECTING TO AT LEAST ONE CHIP
GMT3867-EP-EPT	THALES DIS FRANCE SA (DIS)	20 nov 2019 19804735.9	29 sept 2021 3883782		IN-THE-FIELD PATCHING OF AN OPERATING SYSTEM USING A DIGITAL CERTIFICATE EXTENSION

GMT3794-EP-EPT	THALES DIS FRANCE SA (DIS)	21 nov 2019 19804751.6	29 sept 2021 3884374	A METHOD FOR GENERATING AN EXECUTABLE FILE FROM A PARENT EXECUTABLE FILE TO PRODUCE A DERIVED CUSTOMER ITEM ENSURING SECURE ATTACHMENT IN SIZE CONSTRAINED AUTHENTICATION PROTOCOLS
GMT3881-EP-EPT	THALES DIS FRANCE SA (DIS)	21 nov 2019 19805326.6	13 oct 2021 3892022	METHOD TO MANAGE MULTIPLE VIRTUAL DOCUMENTS IN A CONTACTLESS SECURE ELEMENT
GMT3827-EP-EPT	THALES DIS FRANCE SA (DIS)	25 nov 2019 19805984.2	20 oct 2021 3895396	METHOD TO MONITOR SENSITIVE WEB EMBEDDED CODE AUTHENTICITY METHOD FOR ESTABLISHING A BIDIRECTIONAL NAS SIGNALIZATION CHANNEL BETWEEN A SECURE ELEMENT COOPERATING WITH A TERMINAL AND A DISTANT BY SYSTEM
GMT3697-EP-EPT	THALES DIS FRANCE SA (DIS)	03 déc 2019 19809511.9		METHOD FOR CUTTING AN INK STICKER IN A MULTILAYER STRUCTURE AND METHOD FOR PRINTING THE INK STICKER ONTO A SUBSTRATE
GMT3956-EP-EPT	THALES DIS FRANCE SA (DIS)	10 déc 2019 19813889.3		ELECTRONIC SYSTEM AND METHODS FOR A DYNAMIC ACTIVATION OF COUNTERMEASURES BIOMETRIC ACQUISITION SYSTEM AND METHOD BIOMETRIC SENSOR AND PROCESSOR PAIRING A METHOD FOR CONNECTING A SECURE ELEMENT TO A NETWORK OF A MOBILE NETWORK OPERATOR AND CORRESPONDING SECURE ELEMENT
GMT3704-EP-EPT	THALES DIS FRANCE SA (DIS)	13 déc 2019 19817340.3		METHOD FOR DETECTING THAT A SECURE ELEMENT HAS BEEN TEMPORARILY DISCONNECTED FROM A DEVICE AND CORRESPONDING DEVICE
GMT4125-EP-EPA	THALES DIS FRANCE SA (DIS)	16 déc 2019 19305680.0NE-PAS-ABD	23 juin 2021 3839779	A METHOD FOR AUTHENTICATION A SECURE ELEMENT COOPERATING WITH A MOBILE EQUIPMENT WITHIN A TERMINAL IN A TELECOMMUNICATION NETWORK
GMT3914-EP-EPT	THALES DIS FRANCE SA (DIS)	23 déc 2019 19829634.5	03 nov 2021 3903211	
GMT3965-EP-EPT	THALES DIS FRANCE SA (DIS)	23 déc 2019 19832139.0		
GMT3970-EP-EPT	THALES DIS FRANCE SA (DIS)	02 janv 2020 20700014.2	10 nov 2021 3906718	
GMT3977-EP-EPT	THALES DIS FRANCE SA (DIS)	02 janv 2020 20700094.4	17 nov 2021 3909279	
GMT4055-EP-EPT	THALES DIS FRANCE SA (DIS)	16 janv 2020 20700414.4		

GMT3906-EP-EPT	THALES DIS FRANCE SA (DIS)	31 janv 2020	20701829.2			METHOD SECURED AGAINST SIDE-CHANNEL ATTACKS WITH A NEW MASKING SCHEME
GMT4021-EP-EPT	THALES DIS FRANCE SA (DIS)	24 févr 2020	20705230.9			PROTECTING LINEAR OPERATIONS OF A CRYPTOGRAPHIC ALGORITHM
GMT3972-EP-EPT	THALES DIS FRANCE SA (DIS)	12 mars 2020	20709223.0			METHOD FOR GENERATING A DIGITAL SIGNATURE OF AN INPUT MESSAGE
GMT3982-EP-EPT	THALES DIS FRANCE SA (DIS)	12 mars 2020	20709227.1			A METHOD FOR RECOVERING A PROFILE OF A MNO
GMT4074-EP-EPT	THALES DIS FRANCE SA (DIS)	17 mars 2020	20710535.4			METHOD FOR PROVISIONING WHITE-BOX ASSETS AND CORRESPONDING DEVICE, SERVER AND SYSTEM
GMT3992-EP-EPT	THALES DIS FRANCE SA (DIS)	31 mars 2020	20713698.7			A SYSTEM FOR CONNECTING A TELECOMMUNICATION TERMINAL TO A NATIONAL NETWORK AND CORRESPONDING SECURE ELEMENT AND TERMINAL
DIS0074-EP-EPA	THALES DIS FRANCE SA (DIS)	01 avr 2020	20315093.3(à garder)	06 oct 2021	3889818	METHOD FOR PATCHING AN OPERATING SYSTEM ON A SECURE ELEMENT
GMT3977-EP-EPT	THALES DIS FRANCE SA (DIS); GEMALTO AG (GAG)	08 avr 2020	20715922.9			TRANSPARENTLY THROUGH AN SM-SR PLATFORM
GMT4022-EP-EPT	THALES DIS FRANCE SA (DIS)	08 avr 2020	20715929.4			A METHOD FOR LOCATING A TAG
GMT4169-EP-EPA	THALES DIS FRANCE SA (DIS)	21 déc 2020	20306639.4			SECURITY ELEMENT ON MODULE
GMT4097-EP-EPA	THALES DIS FRANCE SA (DIS)	26 mars 2021	21305380.4			SECURITY DOCUMENT WITH DOUBLE VERIFICATION LENSES
GMT4015-EP-EPT	THALES DIS FRANCE SA (DIS)	25 juin 2021	19813060.1			PERSONALIZABLE MULTI-COLOUR SECURITY FEATURES
						METHOD FOR MANUFACTURING A METALLIC RADIOFREQUENCY SMART CARD WITH IMPROVED ELECTROMAGNETIC PERMITTIVITY

THALES

DEED OF CONFIRMATION OF ASSIGNMENT

This Deed of Confirmation of Assignment is made by and between:

1. **THALES DIS FRANCE SA**, a company duly organized and existing under the laws of France, registered at the Nanterre R.C.S. under number 562 113 530, having its registered office at 6, rue de la Verrerie, 92190 Meudon, France (hereinafter Assignor"), and
2. **THALES DIS FRANCE SAS**, a company duly organized and existing under the laws of France, registered at the Nanterre R.C.S. under number 844 687 749, having its registered office at 6, rue de la Verrerie, 92190 Meudon, France (hereinafter Assignor"), and (hereinafter "Assignee").

Article 1

Assignor herewith declares to have, assigned and transferred to the Assignee, through a transfer of Assets, as defined by the Contribution of Assets Treaty (Traité d'Apport Partiel d'Actif) dated May 5 2021 and it's corresponding Amendment N°1 (Avenant N°1 au Traité d'Apport partiel d'Actif) dated June 18 2021, all the Intellectual Property Rights belonging to the assignee at the date of this transfer. The Intellectual Property Rights comprises (as attached in the APPENDIX):

- (a) Patent applications or other applications that may be filed for protection including, without limitation, applications for certificates of invention, utility models, industrial design protection, design patent protection, and provisional patent applications wherever filed (collectively, "Application");
- (b) All patents including, without limitation, certificates of invention, utility models, industrial design protection, design patent protection, that may be granted, registered, or issued with respect to the Inventions or the Applications (collectively, "Patents");
- (c) All patents and patent applications for which any of these Applications or Patents directly or indirectly form a basis for priority;
- (d) All reissues, requests for continuing examinations, re-examinations, extensions, continuations, continuations in part, continuing prosecution applications, divisions, or registrations of, any item in any of the any of the foregoing categories (b), (c) or (d); the right to sue and recover any and all past damages for infringements occurring before and after the recordal of the present Deed of Confirmation of Assignment before the patent offices) for good and valuable consideration and agrees that the present Deed of Confirmation of Assignment be recorded before any patent office register.

Article 2

The Assignee herewith confirms to have accepted the aforementioned assignment and transfer by the transfer of Assets, defined by the Contribution of Assets Treaty (Traité d'Apport Partiel d'Actif) dated May 5 2021 and it's corresponding Amendment N°1 (Avenant N°1 au Traité d'Apport partiel d'Actif) dated June 18 2021, and consents to the recordal of the present Deed of Confirmation of Assignment before any Patent Office register.

For THALES DIS FRANCE SA

Date: October 13 2021

By: Philippe VALLEE

In quality of: Executive Vice-President
Digital Identity & Security

Signature:



For THALES DIS FRANCE SAS

Date: October 13 2021

By: Ruben RODRIGUEZ LAZO

In quality of: Executive Director

Signature:



Initials:

1/2

2. Brevets

Case reference	Country	Legal Owners (List)	Filing Date	Filing Number	Publication Date	Publication Number	Grant Date	Grant Number	Expiry Date	English Title
40.0033-DE-EPT	Germany	THALES DIS FRANCE SA;THALES DIS USA Inc	17 déc 2003	03780435.8	14 sept 2005	1573466	07 mai 2008	1573466	17 déc 2023	ENHANCING DATA INTEGRITY AND SECURITY IN A PROCESSOR BASED SYSTEM
40.0033-FR-EPT	France	THALES DIS FRANCE SA;THALES DIS USA Inc	17 déc 2003	03780435.8	14 sept 2005	1573466	07 mai 2008	1573466	17 déc 2023	ENHANCING DATA INTEGRITY AND SECURITY IN A PROCESSOR BASED SYSTEM
40.0033-GB-EPT	United Kingdom	THALES DIS FRANCE SA;THALES DIS USA Inc	17 déc 2003	03780435.8	14 sept 2005	1573466	07 mai 2008	1573466	17 déc 2023	ENHANCING DATA INTEGRITY AND SECURITY IN A PROCESSOR BASED SYSTEM
40.0033-IT-EPT	Italy	THALES DIS FRANCE SA;THALES DIS USA Inc	17 déc 2003	03780435.8	14 sept 2005	502008901632708	07 mai 2008	1573466	17 déc 2023	ENHANCING DATA INTEGRITY AND SECURITY IN A PROCESSOR BASED SYSTEM
40.0037-DE-EPT	Germany	THALES DIS FRANCE SA;STMICROELECTRONICS, INC.;AXALTO TECHNOLOGY LIMITED	03 déc 2001	01987264.7	10 sept 2003	1342163	23 juin 2010	1342163	03 déc 2021	METHOD AND APPARATUS FOR COMMUNICATING WITH A HOST
40.0037-FR-EPT	France	THALES DIS FRANCE SA;STMICROELECTRONICS, INC.;AXALTO TECHNOLOGY LIMITED	03 déc 2001	01987264.7	10 sept 2003	1342163	23 juin 2010	1342163	03 déc 2021	METHOD AND APPARATUS FOR COMMUNICATING WITH A HOST
40.0039-DE-EPT	Germany	THALES DIS FRANCE SA;STMICROELECTRONICS, INC.	10 août 2005	05789137.6	06 juin 2007	1792257	24 avr 2013	1792257	10 août 2025	GENERIC UNIVERSAL SERIAL BUS DEVICE OPERABLE AT LOW AND FULL SPEED AND ADAPTED FOR USE IN A SMART CARD DEVICE
40.0039-FR-EPT	France	THALES DIS FRANCE SA;STMICROELECTRONICS, INC.	10 août 2005	05789137.6	06 juin 2007	1792257	24 avr 2013	1792257	10 août 2025	GENERIC UNIVERSAL SERIAL BUS DEVICE OPERABLE AT LOW AND FULL SPEED AND ADAPTED FOR USE IN A SMART CARD DEVICE
40.0039-US-NP	United States Of America	THALES DIS FRANCE SA;STMICROELECTRONICS, INC.	09 sept 2004	10937752	09 mars 2006	20060053244	23 mars 2010	7685328	11 juil 2026	GENERIC UNIVERSAL SERIAL BUS DEVICE OPERABLE AT LOW AND FULL SPEED AND ADAPTED FOR USE IN A SMART CARD DEVICE
40.0044-AU-PCT	Australia	STMICROELECTRONICS, INC.;THALES DIS FRANCE SA;AXALTO TECHNOLOGY LIMITED	30 août 2001	8535701	22 avr 2002	8535701			30 août 2021	DUAL MODE SMART CARD AND ASSOCIATED METHODS
40.0044-DE-EPT	Germany	STMICROELECTRONICS, INC.;AXALTO TECHNOLOGY LIMITED;THALES DIS FRANCE SA	30 août 2001	01964514.2	09 juil 2003	1325466	10 nov 2004	1325466	30 août 2021	DUAL MODE SMART CARD AND ASSOCIATED METHODS
40.0044-FR-EPT	France	STMICROELECTRONICS, INC.;AXALTO TECHNOLOGY LIMITED;THALES DIS FRANCE SA	30 août 2001	01964514.2	09 juil 2003	1325466	10 nov 2004	1325466	30 août 2021	DUAL MODE SMART CARD AND ASSOCIATED METHODS
40.0044-GB-EPT	United Kingdom	STMICROELECTRONICS, INC.;AXALTO TECHNOLOGY LIMITED;THALES DIS FRANCE SA	30 août 2001	01964514.2	09 juil 2003	1325466	10 nov 2004	1325466	30 août 2021	DUAL MODE SMART CARD AND ASSOCIATED METHODS
40.0044-JP-PCT	Japan	STMICROELECTRONICS, INC.;THALES DIS FRANCE SA;AXALTO TECHNOLOGY LIMITED	30 août 2001	2002-535071	15 avr 2004	2004-511865			30 août 2021	DUAL MODE SMART CARD AND ASSOCIATED METHODS
41.0015-CA-PCT	Canada	THALES DIS FRANCE SA	27 mai 2002	2,448,301			08 avr 2008	2,448,301	27 mai 2022	ELECTRONIC PAYMENT TERMINAL SMART CARD ADAPTED TO SUCH A TERMINAL AND METHOD FOR LOADING A SECRET KEY IN SUCH A TERMINAL

AVS0003-CN-PCT	China	THALES DIS FRANCE SA	10 avr 2006	200680017208.8	01 avr 2009	101401492			10 avr 2026	Layered label structure with timer
AVS0003-IN-PCT	India	THALES DIS FRANCE SA	10 avr 2006	4219KOLNP2007	06 juin 2008	4219KOLNP2007	17 sept 2015	268813	10 avr 2026	Layered label structure with timer
AVS0003-JP-PCT	Japan	THALES DIS FRANCE SA	10 avr 2006	2008506562	23 oct 2008	2008538418	13 avr 2012	4971306	10 avr 2026	Layered label structure with timer
AVS0003-TW-NP	Taiwan	THALES DIS FRANCE SA	19 sept 2006	1995134679	01 nov 2007	200741319	11 févr 2015	1472861	19 sept 2026	Layered label structure with timer
AVS0003-US-NP	United States Of America	THALES DIS FRANCE SA	19 sept 2005	11231360	12 oct 2006	20060227669	26 oct 2010	7821794	16 sept 2028	Layered label structure with timer
BIT0001-US-NP	United States Of America	THALES DIS FRANCE SA	28 mai 2009	12473644	03 déc 2009	20090295574	24 avr 2012	8164446	10 juil 2029	METHOD AND DEVICE FOR DETECTING FAKE SKIN PRINTS
BIT0002-DE-EPA	Germany	THALES DIS FRANCE SA	02 mai 2017	17168919.3	20 déc 2017	3258419	09 sept 2020	602017023114.2	02 mai 2037	APPARATUS FOR DETECTING FAKE FINGERPRINTS
BIT0002-EP-EPA	European Procedure (Patents)	THALES DIS FRANCE SA	02 mai 2017	17168919.3	20 déc 2017	3258419	09 sept 2020	3258419	02 mai 2037	APPARATUS FOR DETECTING FAKE FINGERPRINTS
BIT0002-FR-EPA	France	THALES DIS FRANCE SA	02 mai 2017	17168919.3	20 déc 2017	3258419	09 sept 2020	3258419	02 mai 2037	APPARATUS FOR DETECTING FAKE FINGERPRINTS
BIT0002-GB-EPA	United Kingdom	THALES DIS FRANCE SA	02 mai 2017	17168919.3	20 déc 2017	3258419	09 sept 2020	3258419	02 mai 2037	APPARATUS FOR DETECTING FAKE FINGERPRINTS
BIT0002-IT-EPA	Italy	THALES DIS FRANCE SA	02 mai 2017	17168919.3	20 déc 2017	3258419	09 sept 2020	502020000114104	02 mai 2037	APPARATUS FOR DETECTING FAKE FINGERPRINTS
BIT0002-IT-NP	Italy	THALES DIS FRANCE SA	16 juin 2016	102016000062216			12 déc 2018	102016000062216	16 juin 2036	APPARATUS FOR DETECTING FAKE FINGERPRINTS
BIT0002-US-NP	United States Of America	THALES DIS FRANCE SA	04 mai 2017	15587209	21 déc 2017	20170364728	24 sept 2019	10423818	10 déc 2036	APPARATUS FOR DETECTING CUTANEOUS IMPRINTS
BIT0003-DE-EPT	Germany	THALES DIS FRANCE SA	27 avr 2015	15728162.7	08 mars 2017	3138044	17 juil 2019	3138044	27 avr 2035	METHOD AND DEVICE FOR DETECTING MOVING OBJECTS SUCH AS FINGERPRINTS AND CORRESPONDING COMPUTER PROGRAM PRODUCT
BIT0003-FR-EPT	France	THALES DIS FRANCE SA	27 avr 2015	15728162.7	08 mars 2017	3138044	17 juil 2019	3138044	27 avr 2035	METHOD AND DEVICE FOR DETECTING MOVING OBJECTS SUCH AS FINGERPRINTS AND CORRESPONDING COMPUTER PROGRAM PRODUCT
BIT0003-IT-EPT	Italy	THALES DIS FRANCE SA	27 avr 2015	15728162.7	08 mars 2017	3138044	17 juil 2019	502019000077948	27 avr 2035	METHOD AND DEVICE FOR DETECTING MOVING OBJECTS SUCH AS FINGERPRINTS AND CORRESPONDING COMPUTER PROGRAM PRODUCT
BIT0003-IT-NP	Italy	THALES DIS FRANCE SA	28 avr 2014	102014902256526			26 août 2016	1424015	28 avr 2034	METHOD AND DEVICE FOR DETECTING MOVING OBJECTS SUCH AS FINGERPRINTS AND CORRESPONDING COMPUTER PROGRAM PRODUCT
BIT0003-US-PCT	United States Of America	THALES DIS FRANCE SA	27 avr 2015	15306845	16 févr 2017	20170046559	12 juin 2018	9996727	27 avr 2035	METHOD AND DEVICE FOR DETECTING MOVING OBJECTS SUCH AS FINGERPRINTS AND CORRESPONDING COMPUTER PROGRAM PRODUCT
BNB0001-CH-EPA	Switzerland	THALES DIS FRANCE SA	17 mars 2011	11305298.9	19 sept 2012	2501081	26 nov 2014	2501081	17 mars 2031	SYSTEM AND METHOD FOR DATA ROAMING
BNB0001-DE-EPA	Germany	THALES DIS FRANCE SA	17 mars 2011	11305298.9	19 sept 2012	2501081	26 nov 2014	602011011701.7	17 mars 2031	SYSTEM AND METHOD FOR DATA ROAMING
BNB0001-FR-EPA	France	THALES DIS FRANCE SA	17 mars 2011	11305298.9	19 sept 2012	2501081	26 nov 2014	2501081	17 mars 2031	SYSTEM AND METHOD FOR DATA ROAMING
BNB0001-GB-EPA	United Kingdom	THALES DIS FRANCE SA	17 mars 2011	11305298.9	19 sept 2012	2501081	26 nov 2014	2501081	17 mars 2031	SYSTEM AND METHOD FOR DATA ROAMING
BNB0001-IE-EPA	Ireland	THALES DIS FRANCE SA	17 mars 2011	11305298.9	19 sept 2012	2501081	26 nov 2014	2501081	17 mars 2031	SYSTEM AND METHOD FOR DATA ROAMING

BNB0001-LU-EPA	Luxembourg	THALES DIS FRANCE SA	17 mars 2011	11305298.9	19 sept 2012	2501081	26 nov 2014	2501081	17 mars 2031	SYSTEM AND METHOD FOR DATA ROAMING
BNB0001-MC-EPA	Monaco	THALES DIS FRANCE SA	17 mars 2011	11305298.9	19 sept 2012	2501081	26 nov 2014	2501081	17 mars 2031	SYSTEM AND METHOD FOR DATA ROAMING
BNB0002-DE-EPT	Germany	THALES DIS FRANCE SA	10 sept 2012	12756478.9	16 juil 2014	2754331	10 avr 2019	602012058857.8	10 sept 2032	A MODULE MLR FOR MANAGING MACHINE-TO-MACHINE TYPE (M2M) MOBILE DEVICES
BNB0002-FR-EPT	France	THALES DIS FRANCE SA	10 sept 2012	12756478.9	16 juil 2014	2754331	10 avr 2019	2754331	10 sept 2032	A MODULE MLR FOR MANAGING MACHINE-TO-MACHINE TYPE (M2M) MOBILE DEVICES
BNB0002-GB-EPT	United Kingdom	THALES DIS FRANCE SA	10 sept 2012	12756478.9	16 juil 2014	2754331	10 avr 2019	2754331	10 sept 2032	A MODULE MLR FOR MANAGING MACHINE-TO-MACHINE TYPE (M2M) MOBILE DEVICES
BNB0002-US-PCT	United States Of America	THALES DIS FRANCE SA	10 sept 2012	14343499	16 oct 2014	20140308917	12 avr 2016	9313644	26 sept 2032	A MODULE MLR FOR MANAGING MACHINE-TO-MACHINE TYPE (M2M) MOBILE DEVICES
BNB0004-DE-EPT	Germany	THALES DIS FRANCE SA	12 déc 2012	12808767.3	22 oct 2014	2792176	28 févr 2018	602012043459.7	12 déc 2032	METHOD OF MANAGING THE CONNECTIVITY OF A TERMINAL
BNB0004-ES-EPT	Spain	THALES DIS FRANCE SA	12 déc 2012	12808767.3	22 oct 2014	2792176	28 févr 2018	2792176	12 déc 2032	METHOD OF MANAGING THE CONNECTIVITY OF A TERMINAL
BNB0004-FI-EPT	Finland	THALES DIS FRANCE SA	12 déc 2012	12808767.3	22 oct 2014	2792176	28 févr 2018	2792176	12 déc 2032	METHOD OF MANAGING THE CONNECTIVITY OF A TERMINAL
BNB0004-FR-EPT	France	THALES DIS FRANCE SA	12 déc 2012	12808767.3	22 oct 2014	2792176	28 févr 2018	2792176	12 déc 2032	METHOD OF MANAGING THE CONNECTIVITY OF A TERMINAL
BNB0004-FR-NP	France	THALES DIS FRANCE SA	12 déc 2011	1161492	14 juin 2013	2984050	23 mai 2014	2984050	12 déc 2031	METHOD OF MANAGING THE CONNECTIVITY OF A TERMINAL
BNB0004-GB-EPT	United Kingdom	THALES DIS FRANCE SA	12 déc 2012	12808767.3	22 oct 2014	2792176	28 févr 2018	2792176	12 déc 2032	METHOD OF MANAGING THE CONNECTIVITY OF A TERMINAL
BNB0004-IT-EPT	Italy	THALES DIS FRANCE SA	12 déc 2012	12808767.3	22 oct 2014	2792176	28 févr 2018	502018000015585	12 déc 2032	METHOD OF MANAGING THE CONNECTIVITY OF A TERMINAL
BNB0004-NL-EPT	Netherlands	THALES DIS FRANCE SA	12 déc 2012	12808767.3	22 oct 2014	2792176	28 févr 2018	2792176	12 déc 2032	METHOD OF MANAGING THE CONNECTIVITY OF A TERMINAL
BNB0004-NO-EPT	Norway	THALES DIS FRANCE SA	12 déc 2012	12808767.3	22 oct 2014	2792176	28 févr 2018	2792176	12 déc 2032	METHOD OF MANAGING THE CONNECTIVITY OF A TERMINAL
BNB0004-SE-EPT	Sweden	THALES DIS FRANCE SA	12 déc 2012	12808767.3	22 oct 2014	2792176	28 févr 2018	2792176	12 déc 2032	METHOD OF MANAGING THE CONNECTIVITY OF A TERMINAL
BNB0004-US-PCT	United States Of America	THALES DIS FRANCE SA	12 déc 2012	14365012	16 avr 2015	20150105059	18 avr 2017	9629196	03 janv 2033	METHOD OF MANAGING THE CONNECTIVITY OF A TERMINAL
BNB0005-DE-EPT	Germany	THALES DIS FRANCE SA	12 déc 2012	12809174.1	22 oct 2014	2792177	01 mars 2017	602012029338.1	12 déc 2032	METHOD OF CONTROLLING ACCESS TO A CELLULAR NETWORK
BNB0005-FR-EPT	France	THALES DIS FRANCE SA	12 déc 2012	12809174.1	22 oct 2014	2792177	01 mars 2017	2792177	12 déc 2032	METHOD OF CONTROLLING ACCESS TO A CELLULAR NETWORK
BNB0005-GB-EPT	United Kingdom	THALES DIS FRANCE SA	12 déc 2012	12809174.1	22 oct 2014	2792177	01 mars 2017	2792177	12 déc 2032	METHOD OF CONTROLLING ACCESS TO A CELLULAR NETWORK
BNB0005-US-PCT	United States Of America	THALES DIS FRANCE SA	12 déc 2012	14364990	13 nov 2014	20140335831	15 août 2017	9736676	12 déc 2032	METHOD OF CONTROLLING ACCESS TO A CELLULAR NETWORK
BNB0006-DE-EPT	Germany	THALES DIS FRANCE SA	12 déc 2012	12801558.3	22 oct 2014	2792129	13 mars 2019	602010057824.6	12 déc 2032	METHOD OF CONFIGURATION BY ASSOCIATION OF A MACHINE TERMINAL WITH A USER TERMINAL
BNB0006-ES-EPT	Spain	THALES DIS FRANCE SA	12 déc 2012	12801558.3	22 oct 2014	2792129	13 mars 2019	2792129	12 déc 2032	METHOD OF CONFIGURATION BY ASSOCIATION OF A MACHINE TERMINAL WITH A USER TERMINAL
BNB0006-FR-EPT	France	THALES DIS FRANCE SA	12 déc 2012	12801558.3	22 oct 2014	2792129	13 mars 2019	2792129	12 déc 2032	METHOD OF CONFIGURATION BY ASSOCIATION OF A MACHINE TERMINAL WITH A USER TERMINAL
BNB0006-FR-NP	France	THALES DIS FRANCE SA	12 déc 2011	1161490	14 juin 2013	2984051	30 sept 2016	2984051	12 déc 2031	METHOD OF CONFIGURATION BY ASSOCIATION OF A MACHINE TERMINAL WITH A USER TERMINAL
BNB0006-GB-EPT	United Kingdom	THALES DIS FRANCE SA	12 déc 2012	12801558.3	22 oct 2014	2792129	13 mars 2019	2792129	12 déc 2032	METHOD OF CONFIGURATION BY ASSOCIATION OF A MACHINE TERMINAL WITH A USER TERMINAL

BNB0006-IT-EPT	Italy	THALES DIS FRANCE SA	12 déc 2012	12801558.3	22 oct 2014	2792129	13 mars 2019	502019000040080	12 déc 2032	METHOD OF CONFIGURATION BY ASSOCIATION OF A MACHINE TERMINAL WITH A USER TERMINAL.
BNB0006-NL-EPT	Netherlands	THALES DIS FRANCE SA	12 déc 2012	12801558.3	22 oct 2014	2792129	13 mars 2019	2792129	12 déc 2032	METHOD OF CONFIGURATION BY ASSOCIATION OF A MACHINE TERMINAL WITH A USER TERMINAL.
BNB0007-CN-PCT	China	THALES DIS FRANCE SA	23 févr 2015	201580018262.3	19 avr 2017	106576232	30 juin 2020	201580018262.3	23 févr 2035	SYSTEM AND METHOD FOR HANDLING INACTIVE SIM CARDS
BNB0007-DE-EPT	Germany	THALES DIS FRANCE SA	23 févr 2015	15706786.9	28 déc 2016	3108678	04 déc 2019	602015042913.3	23 févr 2035	SYSTEM AND METHOD FOR HANDLING INACTIVE SIM CARDS
BNB0007-ES-EPT	Spain	THALES DIS FRANCE SA	23 févr 2015	15706786.9	28 déc 2016	3108678	04 déc 2019	3108678	23 févr 2035	SYSTEM AND METHOD FOR HANDLING INACTIVE SIM CARDS
BNB0007-FR-EPT	France	THALES DIS FRANCE SA	23 févr 2015	15706786.9	28 déc 2016	3108678	04 déc 2019	3108678	23 févr 2035	SYSTEM AND METHOD FOR HANDLING INACTIVE SIM CARDS
BNB0007-GB-EPT	United Kingdom	THALES DIS FRANCE SA	23 févr 2015	15706786.9	28 déc 2016	3108678	04 déc 2019	3108678	23 févr 2035	SYSTEM AND METHOD FOR HANDLING INACTIVE SIM CARDS
BNB0007-IT-EPT	Italy	THALES DIS FRANCE SA	23 févr 2015	15706786.9	28 déc 2016	3108678	04 déc 2019	502020000020413	23 févr 2035	SYSTEM AND METHOD FOR HANDLING INACTIVE SIM CARDS
BNB0007-US-PCT	United States Of America	THALES DIS FRANCE SA	23 févr 2015	15120333	09 mars 2017	20170070878	22 janv 2019	10187786	23 févr 2035	SYSTEM AND METHOD FOR HANDLING INACTIVE SIM CARDS
DIS0001-EP-EPA	European Procedure (Patents)	THALES DIS FRANCE SA	24 janv 2020	20303059.6					24 janv 2040	A METHOD FOR SECURELY DIVERSIFYING A GENERIC APPLICATION STORED IN A SECURE PROCESSOR OF A TERMINAL
DIS0001-WO-PCT	International Procedure	THALES DIS FRANCE SA	23 déc 2020	PCTEP2020087805					23 déc 2040	A METHOD FOR SECURELY DIVERSIFYING A GENERIC APPLICATION STORED IN A SECURE PROCESSOR OF A TERMINAL
DIS0008-EP-EPA	European Procedure (Patents)	THALES DIS FRANCE SA	11 août 2020	20315382.0					11 août 2040	BIOMETRIC PAYMENT CARD ENROLLMENT NOTIFICATION
DIS0009-WO-PCT	International Procedure	THALES DIS FRANCE SA	15 déc 2020	PCTEP2020086283					15 déc 2040	METHOD TO FACILITATE USER AUTHENTICATING IN A WIRELESS NETWORK
DIS0017-EP-EPA	European Procedure (Patents)	THALES DIS AIS DEUTSCHLAND GmbH; THALES DIS FRANCE SA	19 nov 2019	19306483.9					19 nov 2039	METHOD FOR CO-ORDINATION OF PAGING IN A USER EQUIPMENT
DIS0017-WO-PCT	International Procedure	THALES DIS AIS DEUTSCHLAND GmbH; THALES DIS FRANCE SA	18 nov 2020	PCTEP2020082459					18 nov 2040	METHOD FOR CO-ORDINATION OF PAGING IN A USER EQUIPMENT
DIS0026-EP-EPA	European Procedure (Patents)	THALES DIS FRANCE SA	20 mars 2020	20164594.2					20 mars 2040	METHOD FOR SECURELY PERFORMING A PUBLIC KEY ALGORITHM
DIS0026-WO-PCT	International Procedure	THALES DIS FRANCE SA	18 mars 2021	PCTEP2021057030					18 mars 2041	METHOD FOR SECURELY PERFORMING A PUBLIC KEY ALGORITHM
DIS0033-EP-EPA	European Procedure (Patents)	THALES DIS FRANCE SA	06 déc 2019	19306593.5					06 déc 2039	METHOD TO DYNAMICALLY SELECT A MOBILE OPERATOR SUBSCRIPTION BASED ON THE TERMINAL LOCATION, ON THE RECEIVED SIGNAL STRENGTHS AND ON BUSINESS AGREEMENTS, CORRESPONDING SECURE ELEMENT AND HOME SUBSCRIBER SERVER
DIS0033-WO-PCT	International Procedure	THALES DIS FRANCE SA	26 oct 2020	PCTEP2020079991					26 oct 2040	METHOD TO DYNAMICALLY SELECT A MOBILE OPERATOR SUBSCRIPTION BASED ON THE TERMINAL LOCATION, ON THE RECEIVED SIGNAL STRENGTHS AND ON BUSINESS AGREEMENTS, CORRESPONDING SECURE ELEMENT AND HOME SUBSCRIBER SERVER

DIS0036- WO-PCT	International Procedure	THALES DIS FRANCE SA	18 déc 2020	PCTEP2020086930					18 déc 2040	METHOD, LEDGER AND SYSTEM FOR ESTABLISHING A SECURE CONNECTION FROM A CHIP TO A NETWORK AND CORRESPONDING NETWORK
DIS0049- EP-EPA	European Procedure (Patents)	THALES DIS FRANCE SA	22 mai 2020	20315254.1					22 mai 2040	SECURE DOCUMENT AUTHENTICATION
DIS0050- EP-EPA	European Procedure (Patents)	THALES DIS FRANCE SA	24 déc 2019	19306767.5					24 déc 2039	METHOD AND A CORRESPONDING SYSTEM FOR SECURELY ACCESSING AT LEAST ONE FEATURE OF A CHIP
DIS0050- WO-PCT	International Procedure	THALES DIS FRANCE SA	25 sept 2020	PCTEP2020076940					25 sept 2040	METHOD AND A CORRESPONDING SYSTEM FOR SECURELY ACCESSING AT LEAST ONE FEATURE OF A CHIP
DIS0052- EP-EPA	European Procedure (Patents)	THALES DIS FRANCE SA	28 avr 2020	20315227.7					28 avr 2040	METHOD TO MANUFACTURE A SMART CARD COMPRISING WOOD AND COMPLYING WITH THE SMART CARDS STANDARD
DIS0055- EP-EPA	European Procedure (Patents)	THALES DIS FRANCE SA	08 juil 2020	20315343.2					08 juil 2040	SECURE END-TO-END PAIRING OF SECURE ELEMENT TO MOBILE DEVICE
DIS0060- WO-PCT	International Procedure	THALES DIS FRANCE SA	18 févr 2021	PCTEP2021054056					18 févr 2041	METHOD FOR AUTHORIZING A PERSON TO PERFORM A TRANSACTION INVOLVING A SMART CARD
DIS0062- EP-EPA	European Procedure (Patents)	THALES DIS FRANCE SA	06 juil 2020	20315340.8					06 juil 2040	METHOD FOR MANAGING A BIOMETRIC SMART CARD
DIS0065- EP-EPA	European Procedure (Patents)	THALES DIS FRANCE SA	25 sept 2020	20315419.0					25 sept 2040	METHOD FOR SECURING AN EXECUTION OF AN ALGORITHM OF A CRYPTOGRAPHIC PROCESS
DIS0068- EP-EPA	European Procedure (Patents)	THALES DIS FRANCE SA	22 mai 2020	20315255.8					22 mai 2040	METHOD TO SECURE COMPUTER CODE
DIS0069- EP-EPA	European Procedure (Patents)	THALES DIS FRANCE SA	02 déc 2019	19306548.9					02 déc 2039	L'INVENTION CONCERNE UN PROCEDE DE FABRICATION D'UNE CARTE A PUCE RADIOFREQUENCE COMPRENANT UNE PLAQUE EN METAL AVEC UNE FENTE DANS LA PLAQUE
DIS0069- WO-PCT	International Procedure	THALES DIS FRANCE SA	25 nov 2020	PCTEP2020083401					25 nov 2040	MANUFACTURING METHOD OF A RADIOFREQUENCY CHIP CARD COMPRISING A METAL PLATE WITH A SLOT IN THE PLATE
DIS0070- EP-EPA	European Procedure (Patents)	THALES DIS FRANCE SA	29 sept 2020	20315423.2					29 sept 2040	A METHOD TO PROVISION A SUBSCRIPTION IN A CONSTRAINED DEVICE
DIS0071- EP-EPA	European Procedure (Patents)	THALES DIS FRANCE SA	28 avr 2020	20315226.9					28 avr 2040	METHOD FOR MANAGING A BIOMETRIC SMART CARD
DIS0074- EP-EPA	European Procedure (Patents)	THALES DIS FRANCE SA	01 avr 2020	20315093.3					01 avr 2040	A METHOD FOR LOCATING A TAG
DIS0081- EP-EPA	European Procedure (Patents)	THALES DIS FRANCE SA	25 févr 2020	20305175.0					25 févr 2040	METHOD FOR TESTING IF A DATA ELEMENT BELONGS TO A LIST OF REFERENCE DATA ELEMENTS
DIS0081- WO-PCT	International Procedure	THALES DIS FRANCE SA	10 févr 2021	PCTEP2021053240					10 févr 2041	METHOD FOR TESTING IF A DATA ELEMENT BELONGS TO A LIST OF REFERENCE DATA ELEMENTS
DIS0082- WO-PCT	International Procedure	THALES DIS FRANCE SA	18 févr 2021	PCTEP2021054077					18 févr 2041	METHOD FOR PROTECTING A DATA IN A SOFTWARE APPLICATION

DIS0088-EP-EPA	European Procedure (Patents)	THALES DIS FRANCE SA	20 janv 2021	21305068.5					20 janv 2041	METHOD FOR GENERATING SIGNATURES
DIS0092-WO-PCT	International Procedure	THALES DIS FRANCE SA	16 mars 2021	PCTEP2021056686					16 mars 2041	METHOD FOR MANAGING A SENSITIVE DATA
DIS0095-WO-PCT	International Procedure	THALES DIS FRANCE SA	19 mars 2021	PCTEP2021057062					19 mars 2041	AN ASSEMBLY FOR SEALING A JUNCTURE OF A CABLE IN A WALL
DIS0105-EP-EPA	European Procedure (Patents)	THALES DIS FRANCE SA	14 déc 2020	20306556.0					14 déc 2040	METHOD FOR SECURING AN AES BLOCK CIPHER ALGORITHM AGAINST HIGH-ORDER SIDE-CHANNEL ATTACKS
DIS0106-EP-EPA	European Procedure (Patents)	THALES DIS FRANCE SA;THALES	17 déc 2020	20290088.2					17 déc 2040	TELECOMMUNICATIONS SYSTEM
DIS0107-EP-EPA	European Procedure (Patents)	THALES DIS FRANCE SA;THALES	17 déc 2020	20290087.4					17 déc 2040	TELECOMMUNICATIONS SYSTEM
DIS0131-EP-EPA	European Procedure (Patents)	THALES DIS FRANCE SA	16 déc 2020	20306586.7					16 déc 2040	ASSEMBLY FOR SHIELDING AT LEAST ONE RADIO-FREQUENCY CHIP AND METHOD FOR MAKING THE SAME
DIS0132-WO-PCT	International Procedure	THALES DIS FRANCE SA	17 mars 2021	PCTEP2021056758					17 mars 2041	OPTIMIZED GRAPHIC PERSONALIZATION METHOD FOR SMART CARD MODULES AND OBTAINED MODULE
DIS0133-EP-EPA	European Procedure (Patents)	THALES DIS FRANCE SA	29 sept 2020	20315424.0					29 sept 2040	METHOD FOR MANAGING A PIN CODE IN A BIOMETRIC SMART CARD
DIS0134-EP-EPA	European Procedure (Patents)	THALES DIS FRANCE SA	30 oct 2020	20306302.9					30 oct 2040	Multimodal biometric fusion based recognition
DIS0135-US-NP	United States Of America	THALES DIS FRANCE SA	03 mars 2021	17190730					03 mars 2041	ANTI-SPOOFING FOR CONTACTLESS FINGERPRINT READERS
DIS0138-EP-EPA	European Procedure (Patents)	THALES DIS FRANCE SA	01 avr 2020	20315094.1					01 avr 2040	RADIO FREQUENCY SMART CARD AND METHOD FOR FABRICATING THE SAME
DIS0138-WO-PCT	International Procedure	THALES DIS FRANCE SA	16 mars 2021	PCTEP2021056720					16 mars 2041	RADIO FREQUENCY SMART CARD AND METHOD FOR FABRICATING THE SAME
DIS0139-EP-EPA	European Procedure (Patents)	THALES DIS FRANCE SA	09 juin 2020	20315300.2					09 juin 2040	MANUFACTURING METHOD OF A RADIO-FREQUENCY SMART CARD WITH A METAL INLAY ASSEMBLY
DIS0145-EP-EPA	European Procedure (Patents)	THALES DIS FRANCE SA	05 janv 2021	21305006.5					05 janv 2041	METHOD FOR MANAGING A ONE-TIME-PASSWORD
DIS0149-EP-EPA	European Procedure (Patents)	THALES DIS FRANCE SA	09 déc 2020	20306522.2					09 déc 2040	NEURAL NETWORK CRYPTOGRAPHY COPROCESSOR PROVIDING COUNTERMEASURE AGAINST SIDE-CHANNEL ANALYSIS
DIS0151-EP-EPA	European Procedure (Patents)	THALES DIS FRANCE SA	23 déc 2020	20306689.9					23 déc 2040	A SECURITY ASSEMBLY AND METHOD FOR MANUFACTURING THE SAME
DIS0153-EP-EPA	European Procedure (Patents)	THALES DIS FRANCE SA	18 nov 2020	20306405.0					18 nov 2040	METHOD FOR GENERATING A PHYSICAL UNCLONABLE FUNCTION RESPONSE
DIS0164-EP-EPA	European Procedure (Patents)	THALES DIS FRANCE SA	18 déc 2020	20306602.2					18 déc 2040	NEURAL NETWORK INTEGRITY VALIDATION
DIS0169-EP-EPA	European Procedure (Patents)	THALES DIS FRANCE SA	10 nov 2020	20306355.7					10 nov 2040	METHOD FOR DETECTING AN ATTACK ON A SENSITIVE UNIT OF AN ELECTRONIC SYSTEM

DIS0170-EP-EPA	European Procedure (Patents)	THALES DIS FRANCE SA	23 déc 2020	20306691.5					23 déc 2040	METHOD, CHIP, AND SYSTEM FOR MANAGING A PHYSICALLY UNCLONABLE FUNCTION CHIP PUBLIC KEY
DIS0171-EP-EPA	European Procedure (Patents)	THALES DIS FRANCE SA	11 déc 2020	EP20306542.0					11 déc 2040	
DIS0174-EP-EPA	European Procedure (Patents)	THALES DIS FRANCE SA	17 sept 2020	20315412.5					17 sept 2040	A METHOD FOR SENDING A MESSAGE FROM A REMOTE SERVER TO A TERMINAL
DIS0178-EP-EPA	European Procedure (Patents)	THALES DIS FRANCE SA	01 déc 2020	20306477.9					01 déc 2040	SYSTEM ON CHIP WITH VOLTAGE GLITCH DETECTION BASED ON CLOCK SYNCHRONIZATION MONITORING
DIS0179-EP-EPA	European Procedure (Patents)	THALES DIS FRANCE SA	09 juil 2020	20315346.5					09 juil 2040	METHOD, USER DEVICE, SERVER, DEVICE AND SYSTEM FOR AUTHENTICATING A DEVICE
DIS0186-EP-EPA	European Procedure (Patents)	THALES DIS FRANCE SA	30 sept 2020	20315425.7					30 sept 2040	METHOD FOR MANUFACTURING AT LEAST ONE PRODUCT
DIS0187-EP-EPA	European Procedure (Patents)	THALES DIS FRANCE SA	04 sept 2020	20315403.4					04 sept 2040	METHOD FOR SECURE, TRACEABLE AND PRIVACY-PRESERVING DIGITAL CURRENCY TRANSFER WITH ANONYMITY REVOCATION ON A DISTRIBUTED LEDGER
DIS0190-EP-EPA	European Procedure (Patents)	THALES DIS FRANCE SA	11 mars 2021	21305298.8					11 mars 2041	A method of replacing a current key in a security element and corresponding security element
DIS0201-EP-EPA	European Procedure (Patents)	THALES DIS FRANCE SA	23 déc 2020	20306692.3					23 déc 2040	AUTHENTICATION METHOD AND ENTITY
DIS0203-EP-EPA	European Procedure (Patents)	THALES DIS FRANCE SA	04 mars 2021	21305259.0					04 mars 2041	METHOD FOR MANAGING A TRANSACTION WITH A SMART CARD
DIS0216-EP-EPA	European Procedure (Patents)	THALES DIS FRANCE SA	18 nov 2020	20306400.1					18 nov 2040	EXECUTION PROTECTION USING DATA COLOURING
DIS0217-EP-EPA	European Procedure (Patents)	THALES DIS FRANCE SA	18 nov 2020	20306401.9					18 nov 2040	CODE FLOW PROTECTION WITH ERROR PROPAGATION
DIS0219-EP-EPA	European Procedure (Patents)	THALES DIS FRANCE SA	16 oct 2020	20315435.6					16 oct 2040	METHOD FOR ALLOWING ACCESS TO A SERVICE OF A CARD
DIS0221-EP-EPA	European Procedure (Patents)	THALES DIS FRANCE SA; THALES DIS AIS DEUTSCHLAND GmbH; THALES	29 janv 2021	21305122.0					29 janv 2041	POWER SAVING SATELLITE CONNECTION FOR LOW CAPABILITY DEVICE
DIS0228-EP-EPA	European Procedure (Patents)	THALES DIS FRANCE SA	18 déc 2020	20306620.4					18 déc 2040	A METHOD TO UPDATE AN OS INSTALLED IN A SECURE ELEMENT, CORRESPONDING SYSTEM AND SECURE ELEMENT
DIS0230-EP-EPA	European Procedure (Patents)	THALES DIS FRANCE SA	18 déc 2020	20306599.0					18 déc 2040	A METHOD FOR CHECKING IF AN UPDATE OF A FILE COMPRISING DATA HAS BEEN DONE ON A SECURE ELEMENT COOPERATING WITH A TERMINAL
DIS0232-EP-EPA	European Procedure (Patents)	THALES DIS FRANCE SA	23 déc 2020	20306693.1					23 déc 2040	METHOD, FIRST SERVER, SECOND SERVER, AND SYSTEM FOR TRANSMITTING SECURELY A KEY
DIS0234-EP-EPA	European Procedure (Patents)	THALES DIS FRANCE SA	03 mars 2021	21305255.8					03 mars 2041	SECURE ONLINE AUTHENTICATION METHOD USING MOBILE ID DOCUMENT

DIS0239-EP-EPA	European Procedure (Patents)	THALES DIS FRANCE SA	10 déc 2020	20306541.2					10 déc 2040	METHOD FOR ENROLLING DATA IN A PORTABLE BIOMETRIC DEVICE
DIS0241-EP-EPA	European Procedure (Patents)	THALES DIS FRANCE SA	03 nov 2020	20306317.7					03 nov 2040	METHOD FOR MANAGING A SMART CARD
DIS0256-EP-EPA	European Procedure (Patents)	THALES DIS FRANCE SA	10 mars 2021	21305291.3					10 mars 2041	METHOD FOR CONTROLLING AN APPARATUS
DIS0262-EP-EPA	European Procedure (Patents)	THALES DIS FRANCE SA	11 janv 2021	21305022.2					11 janv 2041	METHOD FOR SECURING A MULTIPLE POINT MULTIPLICATION OPERATION AGAINST SIDE-CHANNEL ATTACKS
DIS0263-EP-EPA	European Procedure (Patents)	THALES DIS FRANCE SA	22 janv 2021	21305078.4					22 janv 2041	ELECTRONIC MODULE WITH INDICATION DEVICE
DIS0269-EP-EPA	European Procedure (Patents)	THALES DIS FRANCE SA	11 févr 2021	21305184.0					11 févr 2041	METHOD FOR LOCATING A MOBILE DEVICE FROM ADVERTISING FRAMES
DIS0273-EP-EPA	European Procedure (Patents)	THALES DIS FRANCE SA	09 mars 2021	21305280.6					09 mars 2041	DETERMINATION OF ELECTRICITY PROVISIONING POLICY
DS30003-SG-NP	Singapore	THALES DIS FRANCE SA	28 févr 2003	200300870.3	26 mai 2006	121759	31 déc 2007	121759	28 févr 2023	A SYSTEM AND METHOD FOR AUTHENTICATING IDENTITIES OVER REMOTE CHANNELS
GALU0001-CN-PCT	China	THALES DIS FRANCE SA	07 févr 2012	1280008598.8	16 oct 2013	103354986	07 déc 2016	ZL1280008598.8	07 févr 2032	METHOD AND APPARATUS FOR NETWORK ANALYSIS
GALU0001-DE-EPT	Germany	THALES DIS FRANCE SA	07 févr 2012	12703679.6	18 déc 2013	2673922	24 avr 2019	602012059304.0	07 févr 2032	METHOD AND APPARATUS FOR NETWORK ANALYSIS
GALU0001-EP-EPT	European Procedure (Patents)	THALES DIS FRANCE SA	07 févr 2012	12703679.6	18 déc 2013	2673922	24 avr 2019	2673922	07 févr 2032	METHOD AND APPARATUS FOR NETWORK ANALYSIS
GALU0001-ES-EPT	Spain	THALES DIS FRANCE SA	07 févr 2012	12703679.6	18 déc 2013	2673922	24 avr 2019	2673922	07 févr 2032	METHOD AND APPARATUS FOR NETWORK ANALYSIS
GALU0001-FR-EPT	France	THALES DIS FRANCE SA	07 févr 2012	12703679.6	18 déc 2013	2673922	24 avr 2019	2673922	07 févr 2032	METHOD AND APPARATUS FOR NETWORK ANALYSIS
GALU0001-GB-EPT	United Kingdom	THALES DIS FRANCE SA	07 févr 2012	12703679.6	18 déc 2013	2673922	24 avr 2019	2673922	07 févr 2032	METHOD AND APPARATUS FOR NETWORK ANALYSIS
GALU0001-IT-EPT	Italy	THALES DIS FRANCE SA	07 févr 2012	12703679.6	18 déc 2013	2673922	24 avr 2019	502019000054915	07 févr 2032	METHOD AND APPARATUS FOR NETWORK ANALYSIS
GALU0001-JP-DIV	Japan	THALES DIS FRANCE SA	07 févr 2012	2014130862	04 déc 2014	2014225883	05 févr 2016	5877429	07 févr 2032	Method and Apparatus for Network Analysis
GALU0001-KR-PCT	South Korea / Republic of Korea	THALES DIS FRANCE SA	07 févr 2012	20137023776	18 nov 2013	20130125389	12 mars 2015	101503680	07 févr 2032	METHOD AND APPARATUS FOR NETWORK ANALYSIS
GALU0001-US-NP	United States Of America	THALES DIS FRANCE SA	11 févr 2011	13025799	16 août 2012	20120208562	15 avr 2014	8700027	13 mai 2031	METHOD AND APPARATUS FOR NETWORK ANALYSIS
GALU0002-DE-EPT	Germany	THALES DIS FRANCE SA	04 févr 2010	10845024.8	12 déc 2012	2533554	01 avr 2015	602010023674.9	04 févr 2030	ACCESS METHOD AND DEVICE FOR SERVICE BASED ON GEOGRAPHIC LOCATION INFORMATION
GALU0002-FR-EPT	France	THALES DIS FRANCE SA	04 févr 2010	10845024.8	12 déc 2012	2533554	01 avr 2015	2533554	04 févr 2030	ACCESS METHOD AND DEVICE FOR SERVICE BASED ON GEOGRAPHIC LOCATION INFORMATION
GALU0002-GB-EPT	United Kingdom	THALES DIS FRANCE SA	04 févr 2010	10845024.8	12 déc 2012	2533554	01 avr 2015	2533554	04 févr 2030	ACCESS METHOD AND DEVICE FOR SERVICE BASED ON GEOGRAPHIC LOCATION INFORMATION

GALU0002-IN-PCT	India	THALES DIS FRANCE SA	04 févr 2010	6506CHENP2012	29 nov 2013	6506CHENP2012			04 févr 2030	ACCESS METHOD AND DEVICE FOR SERVICE BASED ON GEOGRAPHIC LOCATION INFORMATION
GALU0002-JP-PCT	Japan	THALES DIS FRANCE SA	04 févr 2010	2012551463	23 mai 2013	2013519264	07 nov 2014	5642201	04 févr 2030	ACCESS METHOD AND DEVICE FOR SERVICE BASED ON GEOGRAPHIC LOCATION INFORMATION
GALU0002-KR-PCT	South Korea / Republic of Korea	THALES DIS FRANCE SA	04 févr 2010	20127022846	08 nov 2012	20120123512	18 nov 2014	101464503	04 févr 2030	ACCESS METHOD AND DEVICE FOR SERVICE BASED ON GEOGRAPHIC LOCATION INFORMATION
GALU0002-US-CNT	United States Of America	THALES DIS FRANCE SA	04 févr 2010	15915177	12 juil 2018	20180199151			04 févr 2030	ACCESS METHOD AND DEVICE FOR SERVICE BASED ON GEOGRAPHIC LOCATION INFORMATION
GALU0002-US-PCT	United States Of America	THALES DIS FRANCE SA	04 févr 2010	13576069	13 déc 2012	20120315927	17 avr 2018	9949066	10 août 2030	ACCESS METHOD AND DEVICE FOR SERVICE BASED ON GEOGRAPHIC LOCATION INFORMATION
GALU0003-DE-EPT	Germany	THALES DIS FRANCE SA	05 févr 2007	07717553.7	22 oct 2008	1982555	04 juil 2012	602007023791.2	05 févr 2027	METHODS OF PROVIDING LOCATION UPDATE MESSAGES AND PAGING MESSAGES IN A WIRELESS COMMUNICATION SYSTEM
GALU0003-ES-EPT	Spain	THALES DIS FRANCE SA	05 févr 2007	07717553.7	22 oct 2008	1982555	04 juil 2012	1982555	05 févr 2027	METHODS OF PROVIDING LOCATION UPDATE MESSAGES AND PAGING MESSAGES IN A WIRELESS COMMUNICATION SYSTEM
GALU0003-FR-EPT	France	THALES DIS FRANCE SA	05 févr 2007	07717553.7	22 oct 2008	1982555	04 juil 2012	1982555	05 févr 2027	METHODS OF PROVIDING LOCATION UPDATE MESSAGES AND PAGING MESSAGES IN A WIRELESS COMMUNICATION SYSTEM
GALU0003-GB-EPT	United Kingdom	THALES DIS FRANCE SA	05 févr 2007	07717553.7	22 oct 2008	1982555	04 juil 2012	1982555	05 févr 2027	METHODS OF PROVIDING LOCATION UPDATE MESSAGES AND PAGING MESSAGES IN A WIRELESS COMMUNICATION SYSTEM
GALU0003-IT-EPT	Italy	THALES DIS FRANCE SA	05 févr 2007	07717553.7	22 oct 2008	1982555	04 juil 2012	1982555	05 févr 2027	METHODS OF PROVIDING LOCATION UPDATE MESSAGES AND PAGING MESSAGES IN A WIRELESS COMMUNICATION SYSTEM
GALU0003-JP-DIV	Japan	THALES DIS FRANCE SA	05 févr 2007	2014011316	22 mai 2014	2014096846	19 févr 2016	5884097	05 févr 2027	METHODS OF PROVIDING LOCATION UPDATE MESSAGES AND PAGING MESSAGES IN WIRELESS COMMUNICATION SYSTEM
GALU0003-JP-PCT	Japan	THALES DIS FRANCE SA	05 févr 2007	2008554466	16 juil 2009	2009526491	26 juin 2015	5766902	05 févr 2027	METHODS OF PROVIDING LOCATION UPDATE MESSAGES AND PAGING MESSAGES IN A WIRELESS COMMUNICATION SYSTEM
GALU0003-US-PCT	United States Of America	THALES DIS FRANCE SA	05 févr 2007	12221887	16 avr 2009	20090098884	05 juil 2016	9386554	05 févr 2027	METHODS OF PROVIDING LOCATION UPDATE MESSAGES AND PAGING MESSAGES IN A WIRELESS COMMUNICATION SYSTEM
GALU0004-CN-PCT	China	THALES DIS FRANCE SA	01 oct 2010	1080046491.3	05 sept 2012	102656923	04 mai 2016	ZL201080046491.3	01 oct 2030	PREVENTION OF CONGESTION AT RADIO ACCESS IN A MOBILE OR WIRELESS COMMUNICATION
GALU0004-DE-EPA	Germany	THALES DIS FRANCE SA	08 oct 2009	09305957.4	13 avr 2011	2309800	27 juin 2018	602009052927.7	08 oct 2029	PREVENTION OF CONGESTION AT RADIO ACCESS IN A MOBILE OR WIRELESS COMMUNICATION
GALU0004-FR-EPA	France	THALES DIS FRANCE SA	08 oct 2009	09305957.4	13 avr 2011	2309800	27 juin 2018	2309800	08 oct 2029	PREVENTION OF CONGESTION AT RADIO ACCESS IN A MOBILE OR WIRELESS COMMUNICATION

GALU0004-GB-EPA	United Kingdom	THALES DIS FRANCE SA	08 oct 2009	09305957.4	13 avr 2011	2309800	27 juin 2018	2309800	08 oct 2029	PREVENTION OF CONGESTION AT RADIO ACCESS IN A MOBILE OR WIRELESS COMMUNICATION
GALU0004-JP-PCT	Japan	THALES DIS FRANCE SA	01 oct 2010	2012532551	04 mars 2013	2013507809	27 mars 2015	5718927	01 oct 2030	PREVENTION OF CONGESTION AT RADIO ACCESS IN A MOBILE OR WIRELESS COMMUNICATION
GALU0004-KR-PCT	South Korea / Republic of Korea	THALES DIS FRANCE SA	01 oct 2010	20127011756	17 juil 2012	20120080626	13 mars 2015	101504141	01 oct 2030	PREVENTION OF CONGESTION AT RADIO ACCESS IN A MOBILE OR WIRELESS COMMUNICATION
GALU0004-NL-EPA	Netherlands	THALES DIS FRANCE SA	08 oct 2009	09305957.4	13 avr 2011	2309800	27 juin 2018	2309800	08 oct 2029	PREVENTION OF CONGESTION AT RADIO ACCESS IN A MOBILE OR WIRELESS COMMUNICATION
GALU0004-PL-EPA	Poland	THALES DIS FRANCE SA	08 oct 2009	09305957.4	13 avr 2011	2309800	27 juin 2018	2309800	08 oct 2029	PREVENTION OF CONGESTION AT RADIO ACCESS IN A MOBILE OR WIRELESS COMMUNICATION
GALU0004-US-PCT	United States Of America	THALES DIS FRANCE SA	01 oct 2010	13500261	11 oct 2012	20120257504	26 déc 2017	9854503	15 janv 2032	PREVENTION OF CONGESTION AT RADIO ACCESS IN A MOBILE OR WIRELESS COMMUNICATION
GALU0005-CN-PCT	China	THALES DIS FRANCE SA	29 déc 2010	1080060748.0	03 oct 2012	102714598	16 sept 2015	ZL201080060748.0	29 déc 2030	HANDLING M2M SERVICES IN A COMMUNICATION SYSTEM
GALU0005-DE-EPA	Germany	THALES DIS FRANCE SA	05 janv 2010	10305012.6	06 juil 2011	2341660	21 nov 2012	602010003725.8	05 janv 2030	HANDLING M2M SERVICES IN A COMMUNICATION SYSTEM
GALU0005-DE-EPD	Germany	THALES DIS FRANCE SA	05 janv 2010	12187971.2	16 janv 2013	2547039	26 nov 2014	602010020635.1	05 janv 2030	HANDLING M2M SERVICES IN A COMMUNICATION SYSTEM
GALU0005-FR-EPA	France	THALES DIS FRANCE SA	05 janv 2010	10305012.6	06 juil 2011	2341660	21 nov 2012	2341660	05 janv 2030	HANDLING M2M SERVICES IN A COMMUNICATION SYSTEM
GALU0005-FR-EPD	France	THALES DIS FRANCE SA	05 janv 2010	12187971.2	16 janv 2013	2547039	26 nov 2014	2547039	05 janv 2030	HANDLING M2M SERVICES IN A COMMUNICATION SYSTEM
GALU0005-GB-EPA	United Kingdom	THALES DIS FRANCE SA	05 janv 2010	10305012.6	06 juil 2011	2341660	21 nov 2012	2341660	05 janv 2030	HANDLING M2M SERVICES IN A COMMUNICATION SYSTEM
GALU0005-GB-EPD	United Kingdom	THALES DIS FRANCE SA	05 janv 2010	12187971.2	16 janv 2013	2547039	26 nov 2014	2547039	05 janv 2030	HANDLING M2M SERVICES IN A COMMUNICATION SYSTEM
GALU0005-JP-PCD	Japan	THALES DIS FRANCE SA	29 déc 2010	20140251576	21 mai 2015	2015097395	20 janv 2017	6077518	29 déc 2030	HANDLING M2M SERVICES IN A COMMUNICATION SYSTEM
GALU0005-JP-PCT	Japan	THALES DIS FRANCE SA	29 déc 2010	2012547488	13 mai 2013	2013516877	22 avr 2016	5921443	29 déc 2030	HANDLING M2M SERVICES IN A COMMUNICATION SYSTEM
GALU0005-KR-PCT	South Korea / Republic of Korea	THALES DIS FRANCE SA	29 déc 2010	20127020359	01 nov 2012	20120120277	20 nov 2014	101465465	29 déc 2030	HANDLING M2M SERVICES IN A COMMUNICATION SYSTEM
GALU0005-US-PCT	United States Of America	THALES DIS FRANCE SA	29 déc 2010	13520450	03 janv 2013	20130003609	17 mai 2016	9344830	22 sept 2032	HANDLING M2M SERVICES IN A COMMUNICATION SYSTEM
GALU0006-DE-EPT	Germany	THALES DIS FRANCE SA	05 janv 2010	10841864.1	14 nov 2012	2523386	13 mars 2019	602010057618.3	05 janv 2030	COMMUNICATION METHOD FOR MACHINE-TYPE-COMMUNICATION AND EQUIPMENT THEREOF
GALU0006-FR-EPT	France	THALES DIS FRANCE SA	05 janv 2010	10841864.1	14 nov 2012	2523386	13 mars 2019	2523386	05 janv 2030	COMMUNICATION METHOD FOR MACHINE-TYPE-COMMUNICATION AND EQUIPMENT THEREOF
GALU0006-GB-EPT	United Kingdom	THALES DIS FRANCE SA	05 janv 2010	10841864.1	14 nov 2012	2523386	13 mars 2019	2523386	05 janv 2030	COMMUNICATION METHOD FOR MACHINE-TYPE-COMMUNICATION AND EQUIPMENT THEREOF
GALU0006-JP-PCT	Japan	THALES DIS FRANCE SA	05 janv 2010	2012547424	13 mai 2015	2013516682	28 mars 2014	5506950	05 janv 2030	COMMUNICATION METHOD FOR MACHINE-TYPE-COMMUNICATION AND EQUIPMENT THEREOF
GALU0006-KR-PCT	South Korea / Republic of Korea	THALES DIS FRANCE SA	05 janv 2010	20127020354	11 oct 2012	20120112711	14 mai 2014	101397412	05 janv 2030	COMMUNICATION METHOD FOR MACHINE-TYPE-COMMUNICATION AND EQUIPMENT THEREOF

GALU0006-US-PCT	United States Of America	THALES DIS FRANCE SA	05 janv 2010	13520310	13 déc 2012	20120317242	22 août 2017	9743216	21 sept 2033	COMMUNICATION METHOD FOR MACHINE-TYPE-COMMUNICATION AND EQUIPMENT THEREOF
GALU0007-BR-NP	Brazil	THALES DIS FRANCE SA	05 févr 2001	PI0100361.5	02 oct 2001	PI0100361.5	15 déc 2015	PI0100361.5	15 déc 2025	UPLINK TIMING SYNCHRONIZATION AND ACCESS CONTROL FOR A MULTI-ACCESS WIRELESS COMMUNICATION SYSTEM
GALU0008-DE-EPT	Germany	THALES DIS FRANCE SA	06 avr 2011	11719684.0	13 févr 2013	2556647	30 mars 2016	602011024622.4	06 avr 2031	A METHOD OF MACHINE-TO-MACHINE COMMUNICATION
GALU0008-DE-ETD	Germany	THALES DIS FRANCE SA	06 avr 2011	16157201.1	24 août 2016	3059925	07 oct 2020	602011068886.3	06 avr 2031	A METHOD OF MACHINE-TO-MACHINE COMMUNICATION
GALU0008-EP-ETD	European Procedure (Patents)	THALES DIS FRANCE SA	06 avr 2011	16157201.1	24 août 2016	3059925	07 oct 2020	3059925	06 avr 2031	A METHOD OF MACHINE-TO-MACHINE COMMUNICATION
GALU0008-ES-EPT	Spain	THALES DIS FRANCE SA	06 avr 2011	11719684.0	13 févr 2013	2556647	30 mars 2016	2556647	06 avr 2031	A METHOD OF MACHINE-TO-MACHINE COMMUNICATION
GALU0008-ES-ETD	Spain	THALES DIS FRANCE SA	06 avr 2011	16157201.1	24 août 2016	3059925	07 oct 2020	3059925	06 avr 2031	A METHOD OF MACHINE-TO-MACHINE COMMUNICATION
GALU0008-FR-EPT	France	THALES DIS FRANCE SA	06 avr 2011	11719684.0	13 févr 2013	2556647	30 mars 2016	2556647	06 avr 2031	A METHOD OF MACHINE-TO-MACHINE COMMUNICATION
GALU0008-FR-ETD	France	THALES DIS FRANCE SA	06 avr 2011	16157201.1	24 août 2016	3059925	07 oct 2020	3059925	06 avr 2031	A METHOD OF MACHINE-TO-MACHINE COMMUNICATION
GALU0008-GB-EPT	United Kingdom	THALES DIS FRANCE SA	06 avr 2011	11719684.0	13 févr 2013	2556647	30 mars 2016	2556647	06 avr 2031	A METHOD OF MACHINE-TO-MACHINE COMMUNICATION
GALU0008-GB-ETD	United Kingdom	THALES DIS FRANCE SA	06 avr 2011	16157201.1	24 août 2016	3059925	07 oct 2020	3059925	06 avr 2031	A METHOD OF MACHINE-TO-MACHINE COMMUNICATION
GALU0008-IT-EPT	Italy	THALES DIS FRANCE SA	06 avr 2011	11719684.0	13 févr 2013	2556647	30 mars 2016	2556647	06 avr 2031	A METHOD OF MACHINE-TO-MACHINE COMMUNICATION
GALU0008-IT-ETD	Italy	THALES DIS FRANCE SA	06 avr 2011	16157201.1	24 août 2016	3059925	07 oct 2020	502020000123434	06 avr 2031	A METHOD OF MACHINE-TO-MACHINE COMMUNICATION
GALU0008-JP-PCT	Japan	THALES DIS FRANCE SA	06 avr 2011	2013503865	27 juin 2013	2013527668	15 août 2014	5595583	06 avr 2031	A METHOD OF MACHINE-TO-MACHINE COMMUNICATION
GALU0008-KR-PCT	South Korea / Republic of Korea	THALES DIS FRANCE SA	06 avr 2011	20127029190	14 janv 2013	20130004928	24 févr 2015	101497362	06 avr 2031	A METHOD OF MACHINE-TO-MACHINE COMMUNICATION
GALU0008-NL-EPT	Netherlands	THALES DIS FRANCE SA	06 avr 2011	11719684.0	13 févr 2013	2556647	30 mars 2016	2556647	06 avr 2031	A METHOD OF MACHINE-TO-MACHINE COMMUNICATION
GALU0008-PL-EPT	Poland	THALES DIS FRANCE SA	06 avr 2011	11719684.0	13 févr 2013	2556647	30 mars 2016	2556647	06 avr 2031	A METHOD OF MACHINE-TO-MACHINE COMMUNICATION
GALU0008-SE-EPT	Sweden	THALES DIS FRANCE SA	06 avr 2011	11719684.0	13 févr 2013	2556647	30 mars 2016	2556647	06 avr 2031	A METHOD OF MACHINE-TO-MACHINE COMMUNICATION
GALU0008-US-NP	United States Of America	THALES DIS FRANCE SA	09 avr 2010	12662296	13 oct 2011	20110252235	08 août 2017	9729516	28 juin 2032	A METHOD OF MACHINE-TO-MACHINE COMMUNICATION
GALU0009-BR-NP	Brazil	THALES DIS FRANCE SA	05 févr 2001	PI0100359.3	02 oct 2001	PI0100359.3	18 avr 2017	PI0100359.3	18 avr 2027	SIGNAL CONSTRUCTION, DETECTION AND ESTIMATION FOR UPLINK TIMING SYNCHRONIZATION AND ACCESS CONTROL IN A MULTI-ACCESS WIRELESS COMMUNICATION SYSTEM
GALU0014-DE-EPA	Germany	THALES DIS FRANCE SA	07 août 2002	02255511.4	19 févr 2003	1284573	26 oct 2005	60206856.8	07 août 2022	METHOD AND APPARATUS FOR PROTECTING WEB SITES FROM DISTRIBUTED DENIAL-OF-SERVICE ATTACKS

GALU0014-FR-EPA	France	THALES DIS FRANCE SA	07 août 2002	02255511.4	19 févr 2003	1284573	26 oct 2005	1284573	07 août 2022	METHOD AND APPARATUS FOR PROTECTING WEB SITES FROM DISTRIBUTED DENIAL-OF-SERVICE ATTACKS
GALU0014-GB-EPA	United Kingdom	THALES DIS FRANCE SA	07 août 2002	02255511.4	19 févr 2003	1284573	26 oct 2005	1284573	07 août 2022	METHOD AND APPARATUS FOR PROTECTING WEB SITES FROM DISTRIBUTED DENIAL-OF-SERVICE ATTACKS
GALU0014-US-NP	United States Of America	THALES DIS FRANCE SA	19 juin 2002	10175458	20 févr 2003	20030035370	17 ayr 2007	7207062	09 déc 2024	METHOD AND APPARATUS FOR PROTECTING WEB SITES FROM DISTRIBUTED DENIAL-OF-SERVICE ATTACKS
GALU0015-US-NP	United States Of America	THALES DIS FRANCE SA	14 sept 2001	09953509	20 mars 2003	20030053612	22 mars 2005	6870916	19 août 2022	TARGETED AND INTELLIGENT MULTIMEDIA CONFERENCE ESTABLISHMENT SERVICES
GALU0016-EP-EPD	European Procedure (Patents)	THALES DIS FRANCE SA	11 sept 2012	20152237.2	05 août 2020	3691315			11 sept 2032	
GALU0016-US-NP	United States Of America	THALES DIS FRANCE SA	11 sept 2012	13610038	20 juin 2013	20130157673	24 mars 2015	8989806	04 oct 2032	NETWORK OPERATOR-NEUTRAL PROVISIONING OF MOBILE DEVICES
GALU0017-US-NP	United States Of America	THALES DIS FRANCE SA	29 déc 2005	11320427	05 juil 2007	20070153995	01 mai 2012	8170055	22 févr 2031	METHOD OF CONVERTING BETWEEN RADIUS MESSAGE AND DIAMETER MESSAGES
GALU0019-US-NP	United States Of America	THALES DIS FRANCE SA	31 mai 2001	09871193	05 déc 2002	20020181672	25 mai 2004	6741678	17 août 2021	METHOD AND SYSTEM FOR SENDING A DATA RESPONSE FROM A CALLED PHONE TO A CALLING PHONE
GALU0020-DE-EPA	Germany	THALES DIS FRANCE SA	05 nov 2010	10360039.1	09 mai 2012	2451238	07 janv 2015	602010021580.6	05 nov 2030	Control message encoding
GALU0020-FR-EPA	France	THALES DIS FRANCE SA	05 nov 2010	10360039.1	09 mai 2012	2451238	07 janv 2015	2451238	05 nov 2030	Control message encoding
GALU0020-GB-EPA	United Kingdom	THALES DIS FRANCE SA	05 nov 2010	10360039.1	09 mai 2012	2451238	07 janv 2015	2451238	05 nov 2030	Control message encoding
GALU0021-JP-NP	Japan	THALES DIS FRANCE SA	23 mai 2001	2001153564	25 janv 2002	2002026795	02 déc 2005	3746438	23 mai 2021	Remote power-down control of wireless terminal
GALU0022-CN-NP	China	THALES DIS FRANCE SA	25 juin 2004	200410060058.1	25 mai 2005	1620037	01 avr 2009	ZL200410060058.1	25 juin 2024	PACKET AGGREGATION FOR REAL TIME SERVICES ON PACKET DATA NETWORKS
GALU0022-DE-EPA	Germany	THALES DIS FRANCE SA	14 juin 2004	04253530.2	29 déc 2004	1492285	04 juin 2008	602004014216.6	14 juin 2024	PACKET AGGREGATION FOR REAL TIME SERVICES ON PACKET DATA NETWORKS
GALU0022-FR-EPA	France	THALES DIS FRANCE SA	14 juin 2004	04253530.2	29 déc 2004	1492285	04 juin 2008	1492285	14 juin 2024	PACKET AGGREGATION FOR REAL TIME SERVICES ON PACKET DATA NETWORKS
GALU0022-GB-EPA	United Kingdom	THALES DIS FRANCE SA	14 juin 2004	04253530.2	29 déc 2004	1492285	04 juin 2008	1492285	14 juin 2024	PACKET AGGREGATION FOR REAL TIME SERVICES ON PACKET DATA NETWORKS
GALU0022-JP-NP	Japan	THALES DIS FRANCE SA	25 juin 2004	2004187400	20 janv 2005	2005020753	22 avr 2011	4727952	25 juin 2024	PACKET AGGREGATION FOR REAL TIME SERVICES ON PACKET DATA NETWORKS
GALU0022-KR-NP	South Korea / Republic of Korea	THALES DIS FRANCE SA	25 juin 2004	20040048081	06 janv 2005	20050001450	15 mars 2012	101129885	25 juin 2024	PACKET AGGREGATION FOR REAL TIME SERVICES ON PACKET DATA NETWORKS
GALU0022-US-NP	United States Of America	THALES DIS FRANCE SA	27 juin 2003	10608628	30 déc 2004	20040264454	24 juin 2008	7391769	09 févr 2026	PACKET AGGREGATION FOR REAL TIME SERVICES ON PACKET DATA NETWORKS
GALU0024-BR-PCT	Brazil	THALES DIS FRANCE SA	12 févr 2010	12020135.2	09 juil 2013	12020135.2			12 févr 2030	NETWORK ACCESS METHOD AND SYSTEM FOR MACHINE TYPE COMMUNICATIONS
GALU0024-DE-EPT	Germany	THALES DIS FRANCE SA	12 févr 2010	10845441.4	19 déc 2012	2536242	12 oct 2016	602010037233.2	12 févr 2030	NETWORK ACCESS METHOD AND SYSTEM FOR MACHINE TYPE COMMUNICATIONS
GALU0024-FI-EPT	Finland	THALES DIS FRANCE SA	12 févr 2010	10845441.4	19 déc 2012	2536242	12 oct 2016	2536242	12 févr 2030	NETWORK ACCESS METHOD AND SYSTEM FOR MACHINE TYPE COMMUNICATIONS

GALU0024-FR-EPT	France	THALES DIS FRANCE SA	12 févr 2010	10845441.4	19 déc 2012	2536242	12 oct 2016	2536242	12 févr 2030	NETWORK ACCESS METHOD AND SYSTEM FOR MACHINE TYPE COMMUNICATIONS
GALU0024-GB-EPT	United Kingdom	THALES DIS FRANCE SA	12 févr 2010	10845441.4	19 déc 2012	2536242	12 oct 2016	2536242	12 févr 2030	NETWORK ACCESS METHOD AND SYSTEM FOR MACHINE TYPE COMMUNICATIONS
GALU0024-IN-PCT	India	THALES DIS FRANCE SA	12 févr 2010	7701/CHENP/2012	14 mars 2014	7701/CHENP/2012	24 août 2020	344846	12 févr 2030	NETWORK ACCESS METHOD AND SYSTEM FOR MACHINE TYPE COMMUNICATIONS
GALU0024-IT-EPT	Italy	THALES DIS FRANCE SA	12 févr 2010	10845441.4	19 déc 2012	2536242	12 oct 2016	2536242	12 févr 2030	NETWORK ACCESS METHOD AND SYSTEM FOR MACHINE TYPE COMMUNICATIONS
GALU0024-JP-PCT	Japan	THALES DIS FRANCE SA	12 févr 2010	2012552224	30 mai 2013	2013520041	10 janv 2014	5450838	12 févr 2030	NETWORK ACCESS METHOD AND SYSTEM FOR MACHINE TYPE COMMUNICATIONS
GALU0024-KR-PCT	South Korea / Republic of Korea	THALES DIS FRANCE SA	12 févr 2010	20127023611	22 nov 2012	20120127643	01 avr 2014	101382161	12 févr 2030	NETWORK ACCESS METHOD AND SYSTEM FOR MACHINE TYPE COMMUNICATIONS
GALU0024-NL-EPT	Netherlands	THALES DIS FRANCE SA	12 févr 2010	10845441.4	19 déc 2012	2536242	12 oct 2016	2536242	12 févr 2030	NETWORK ACCESS METHOD AND SYSTEM FOR MACHINE TYPE COMMUNICATIONS
GALU0024-SE-EPT	Sweden	THALES DIS FRANCE SA	12 févr 2010	10845441.4	19 déc 2012	2536242	12 oct 2016	2536242	12 févr 2030	NETWORK ACCESS METHOD AND SYSTEM FOR MACHINE TYPE COMMUNICATIONS
GALU0024-US-PCT	United States Of America	THALES DIS FRANCE SA	12 févr 2010	13578172	06 déc 2012	20120307774	10 févr 2015	8953538	30 avr 2030	NETWORK ACCESS METHOD AND SYSTEM FOR MACHINE TYPE COMMUNICATIONS
GALU0025-KR-NP	South Korea / Republic of Korea	THALES DIS FRANCE SA	30 mars 2001	20010016880	03 nov 2001	20010095158	11 mai 2007	100719303	30 mars 2021	METHOD AND SYSTEM FOR SUBSCRIBER-CONFIGURABLE COMMUNICATIONS SERVICE
GALU0026-BR-PCT	Brazil	THALES DIS FRANCE SA	28 avr 2009	PI0925335-1	16 avr 2013	PI0925335-1	24 nov 2020	PI0925335-1	24 nov 2030	COMMUNICATION METHOD OF BROADCAST AND/OR MULTICAST IN WIRELESS NETWORK, AND THE EQUIPMENT THEREOF
GALU0026-EP-EPT	European Procedure (Patents)	THALES DIS FRANCE SA	28 avr 2009	09843827.8	07 mars 2012	2426957			28 avr 2029	COMMUNICATION METHOD OF BROADCAST AND/OR MULTICAST IN WIRELESS NETWORK, AND THE EQUIPMENT THEREOF
GALU0026-IN-PCT	India	THALES DIS FRANCE SA	28 avr 2009	7400/CHENP/2011	16 nov 2012	7400/CHENP/2011			28 avr 2029	COMMUNICATION METHOD OF BROADCAST AND/OR MULTICAST IN WIRELESS NETWORK, AND THE EQUIPMENT THEREOF
GALU0026-JP-PCT	Japan	THALES DIS FRANCE SA	28 avr 2009	2012507560	22 oct 2012	2012525729	27 déc 2013	5442106	28 avr 2029	COMMUNICATION METHOD OF BROADCAST AND/OR MULTICAST IN WIRELESS NETWORK, AND THE EQUIPMENT THEREOF
GALU0026-KR-PCT	South Korea / Republic of Korea	THALES DIS FRANCE SA	28 avr 2009	20117025713	29 févr 2012	20120018131	13 déc 2013	101343307	28 avr 2029	COMMUNICATION METHOD OF BROADCAST AND/OR MULTICAST IN WIRELESS NETWORK, AND THE EQUIPMENT THEREOF

GALU0026-US-PCT	United States Of America	THALES DIS FRANCE SA	28 avr 2009	13266746	23 févr 2012	20120044851	24 mars 2015	8989204	18 juil 2029	COMMUNICATION METHOD OF BROADCAST AND/OR MULTICAST IN WIRELESS NETWORK, AND THE EQUIPMENT THEREOF
GALU0027-US-NP	United States Of America	THALES DIS FRANCE SA	29 sept 2000	09675399			25 nov 2008	7457948	13 janv 2025	AUTOMATED AUTHENTICATION HANDLING SYSTEM
GALU0028-CN-PCT	China	THALES DIS FRANCE SA	06 mai 2013	201380024585.4	14 janv 2015	104285473	09 avr 2019	ZL201380024585.4	06 mai 2033	METHODS AND APPARATUSES FOR MULTIPLE PRIORITY ACCESS IN A WIRELESS NETWORK SYSTEM
GALU0028-DE-EPT	Germany	THALES DIS FRANCE SA	06 mai 2013	13722260.0	18 mars 2015	2848041	20 mars 2019	602013052578.1	06 mai 2033	METHODS AND APPARATUSES FOR MULTIPLE PRIORITY ACCESS IN A WIRELESS NETWORK SYSTEM
GALU0028-FR-EPT	France	THALES DIS FRANCE SA	06 mai 2013	13722260.0	18 mars 2015	2848041	20 mars 2019	2848041	06 mai 2033	METHODS AND APPARATUSES FOR MULTIPLE PRIORITY ACCESS IN A WIRELESS NETWORK SYSTEM
GALU0028-GB-EPT	United Kingdom	THALES DIS FRANCE SA	06 mai 2013	13722260.0	18 mars 2015	2848041	20 mars 2019	2848041	06 mai 2033	METHODS AND APPARATUSES FOR MULTIPLE PRIORITY ACCESS IN A WIRELESS NETWORK SYSTEM
GALU0028-JP-PCT	Japan	THALES DIS FRANCE SA	06 mai 2013	2015511558	11 juin 2015	2015516778	01 avr 2016	5908166	06 mai 2033	METHODS AND APPARATUSES FOR MULTIPLE PRIORITY ACCESS IN A WIRELESS NETWORK SYSTEM
GALU0028-KR-PCT	South Korea / Republic of Korea	THALES DIS FRANCE SA	06 mai 2013	20147031441	29 déc 2014	20140147129	11 août 2016	101649166	06 mai 2033	METHODS AND APPARATUSES FOR MULTIPLE PRIORITY ACCESS IN A WIRELESS NETWORK SYSTEM
GALU0028-TW-NP	Taiwan	THALES DIS FRANCE SA	06 mai 2013	102116072	01 déc 2013	201349914	11 sept 2015	1500348	06 mai 2033	METHODS AND APPARATUSES FOR MULTIPLE PRIORITY ACCESS IN A WIRELESS NETWORK SYSTEM
GALU0028-US-NP	United States Of America	THALES DIS FRANCE SA	10 mai 2012	13468616	14 nov 2013	20130304956	21 avr 2015	9015395	26 mars 2033	METHODS AND APPARATUSES FOR MULTIPLE PRIORITY ACCESS IN A WIRELESS NETWORK SYSTEM
GALU0029-DE-EPT	Germany	THALES DIS FRANCE SA	19 juin 2007	07845189.5	18 mars 2009	2036306	08 avr 2015	602007041006.1	19 juin 2027	SECURE DOMAIN INFORMATION PROTECTION APPARATUS AND METHODS
GALU0029-FR-EPT	France	THALES DIS FRANCE SA	19 juin 2007	07845189.5	18 mars 2009	2036306	08 avr 2015	2036306	19 juin 2027	SECURE DOMAIN INFORMATION PROTECTION APPARATUS AND METHODS
GALU0029-GB-EPT	United Kingdom	THALES DIS FRANCE SA	19 juin 2007	07845189.5	18 mars 2009	2036306	08 avr 2015	2036306	19 juin 2027	SECURE DOMAIN INFORMATION PROTECTION APPARATUS AND METHODS
GALU0030-CN-PCT	China	THALES DIS FRANCE SA	06 juin 2011	201180028463.3	10 avr 2013	103039053	26 oct 2016	ZL201180028463.3	06 juin 2031	SECURE REGISTRATION OF GROUP OF CLIENTS USING SINGLE REGISTRATION PROCEDURE
GALU0030-DE-EPT	Germany	THALES DIS FRANCE SA	06 juin 2011	11727587.5	17 avr 2013	2580901	22 avr 2020	602011066382.8	06 juin 2031	SECURE REGISTRATION OF GROUP OF CLIENTS USING SINGLE REGISTRATION PROCEDURE
GALU0030-FR-EPT	France	THALES DIS FRANCE SA	06 juin 2011	11727587.5	17 avr 2013	2580901	22 avr 2020	2580901	06 juin 2031	SECURE REGISTRATION OF GROUP OF CLIENTS USING SINGLE REGISTRATION PROCEDURE
GALU0030-GB-EPT	United Kingdom	THALES DIS FRANCE SA	06 juin 2011	11727587.5	17 avr 2013	2580901	22 avr 2020	2580901	06 juin 2031	SECURE REGISTRATION OF GROUP OF CLIENTS USING SINGLE REGISTRATION PROCEDURE
GALU0030-JP-DIV	Japan	THALES DIS FRANCE SA	06 juin 2011	2014179883	12 févr 2015	201529288	20 juil 2018	6371644	06 juin 2031	SECURE REGISTRATION OF GROUP OF CLIENTS USING SINGLE REGISTRATION PROCEDURE
GALU0030-JP-PCT	Japan	THALES DIS FRANCE SA	06 juin 2011	2013514245	03 oct 2013	2013537729	12 sept 2014	5613324	06 juin 2031	SECURE REGISTRATION OF GROUP OF CLIENTS USING SINGLE REGISTRATION PROCEDURE
GALU0030-KR-PCT	South Korea / Republic of Korea	THALES DIS FRANCE SA	06 juin 2011	20127032167	05 avr 2013	20130034649	24 févr 2015	101497785	06 juin 2031	SECURE REGISTRATION OF GROUP OF CLIENTS USING SINGLE REGISTRATION PROCEDURE
GALU0030-US-NP	United States Of America	THALES DIS FRANCE SA	10 juin 2010	12813153	15 déc 2011	20110307694	20 sept 2016	9450928	28 avr 2032	INSCRIPTION SÉCURISÉE D'UN GROUPE DE CLIENTS UTILISANT UNE PROCÉDURE D'INSCRIPTION UNIQUE

GALU0031-DE-EPA	Germany	THALES DIS FRANCE SA	25 juin 2001	01305494.5	06 mars 2002	1184677	06 oct 2004	60106167.5	25 juin 2021	METHOD FOR PREDICTING NAVIGATION INFORMATION IN A GLOBAL POSITIONING SYSTEM
GALU0031-FR-EPA	France	THALES DIS FRANCE SA	25 juin 2001	01305494.5	06 mars 2002	1184677	06 oct 2004	1184677	25 juin 2021	METHOD FOR PREDICTING NAVIGATION INFORMATION IN A GLOBAL POSITIONING SYSTEM
GALU0031-GB-EPA	United Kingdom	THALES DIS FRANCE SA	25 juin 2001	01305494.5	06 mars 2002	1184677	06 oct 2004	1184677	25 juin 2021	METHOD FOR PREDICTING NAVIGATION INFORMATION IN A GLOBAL POSITIONING SYSTEM
GALU0031-JP-NP	Japan	THALES DIS FRANCE SA	09 août 2001	2001242113	26 avr 2002	2002122648	01 nov 2013	5398940	09 août 2021	METHOD FOR PREDICTING NAVIGATION INFORMATION IN A GLOBAL POSITIONING SYSTEM
GALU0032-DE-EPA	Germany	THALES DIS FRANCE SA	18 juin 2001	01305279.0	12 juin 2002	1213868	15 oct 2003	60100981.9	18 juin 2021	METHOD FOR DATA RATE SELECTION IN A WIRELESS COMMUNICATION SYSTEM
GALU0032-FR-EPA	France	THALES DIS FRANCE SA	18 juin 2001	01305279.0	12 juin 2002	1213868	15 oct 2003	1213868	18 juin 2021	METHOD FOR DATA RATE SELECTION IN A WIRELESS COMMUNICATION SYSTEM
GALU0032-GB-EPA	United Kingdom	THALES DIS FRANCE SA	18 juin 2001	01305279.0	12 juin 2002	1213868	15 oct 2003	1213868	18 juin 2021	METHOD FOR DATA RATE SELECTION IN A WIRELESS COMMUNICATION SYSTEM
GALU0032-US-NP	United States Of America	THALES DIS FRANCE SA	06 déc 2000	09730637	15 août 2002	20020110101	16 août 2005	6930981	27 avr 2023	METHOD FOR DATA RATE SELECTION IN A WIRELESS COMMUNICATION SYSTEM
GALU0033-US-NP	United States Of America	THALES DIS FRANCE SA	23 juin 2003	10601945	23 déc 2004	20040257273	04 janv 2005	6839022	23 juin 2023	NETWORK SUPPORT FOR SUBSCRIBER ACCESS TO MOBILE CALLER LOCATION INFORMATION
GALU0037-US-NP	United States Of America	THALES DIS FRANCE SA	30 sept 2002	10261112	01 avr 2004	20040061646	31 mai 2005	6900762	30 sept 2022	METHODS AND APPARATUS FOR LOCATION DETERMINATION BASED ON DISPERSED RADIO FREQUENCY TAGS
GALU0039-US-NP	United States Of America	THALES DIS FRANCE SA	20 juin 2003	10600067	23 déc 2004	20040259568	30 mai 2006	7054612	20 juin 2023	MESSAGE BROADCAST TO MOBILE STATION IN WIRELESS NETWORK
GALU0040-DE-UM	Germany	THALES DIS FRANCE SA	13 avr 2012	202012003716.1			24 juil 2012	202012003716.1	13 avr 2022	METHOD AND APPARATUS FOR A SCALABLE AND SECURE TRANSPORT PROTOCOL FOR SENSOR DATA COLLECTION
GALU0040-US-NP	United States Of America	THALES DIS FRANCE SA	20 déc 2011	13331102	20 juin 2013	20130159724	13 janv 2015	8935533	29 mai 2032	METHOD AND APPARATUS FOR A SCALABLE AND SECURE TRANSPORT PROTOCOL FOR SENSOR DATA COLLECTION
GALU0041-US-NP	United States Of America	THALES DIS FRANCE SA	10 juil 2003	10617073	13 janv 2005	20050009511	05 déc 2006	7146129	15 févr 2025	REMOTE CONTROL OF FUNCTIONS VIA WIRELESS TRANSMISSION OF TEXT-BASED MESSAGES
GALU0042-US-DIV	United States Of America	THALES DIS FRANCE SA	02 oct 2008	12244340	02 juil 2009	20090172803	28 déc 2010	7861292	19 juin 2022	METHOD AND APPARATUS FOR INCREMENTALLY DEPLOYING INGRESS FILTERING ON THE INTERNET
GALU0042-US-NP	United States Of America	THALES DIS FRANCE SA	19 juin 2002	10175577	25 déc 2003	20030236999	14 avr 2009	7519991	19 juin 2022	METHOD AND APPARATUS FOR INCREMENTALLY DEPLOYING INGRESS FILTERING ON THE INTERNET
GALU0043-US-NP	United States Of America	THALES DIS FRANCE SA	18 déc 2001	10022926	20 mars 2003	20030053615	30 janv 2007	7170993	15 nov 2022	METHODS AND APPARATUS FOR AUTOMATED MONITORING AND ACTION TAKING BASED ON DECISION SUPPORT MECHANISM
GEM0381-EP-ETD	European Procedure (Patents)	THALES DIS FRANCE SA	08 oct 1998	08152946.3	04 juin 2008	1927941				METHOD FOR MAKING SMART CARDS CAPABLE OF OPERATING WITH AND WITHOUT CONTACT
GEM0650-US-DIV	United States Of America	THALES DIS FRANCE SA	18 juin 2008	12141796	20 nov 2008	20080287162	26 juil 2011	7986969	25 mai 2022	RADIOTELEPHONE TERMINAL WITH SMART CARD EQUIPPED WITH BROWSER
GEM0786-US-PCT	United States Of America	THALES DIS FRANCE SA	16 mars 2001	10240542	18 oct 2001	WO0177791	20 mai 2008	7376844	21 janv 2023	COUNTERMEASURE METHOD FOR A MICROCONTROLLER BASED ON A PIPELINE ARCHITECTURE
GEM0796-US-PCT	United States Of America	THALES DIS FRANCE SA	02 févr 2001	10203028	22 janv 2004	20040015594	05 juil 2011	7975057	19 déc 2029	TIME MANAGEMENT AT COMMUNICATION LEVEL FOR A SMART CARD-TYPE ENTITY
GEM0798-US-CNT	United States Of America	THALES DIS FRANCE SA	04 avr 2006	11396569	10 août 2006	20060176903	08 juin 2010	7733902	23 nov 2022	TRANSPORTING PORTABLE ELECTRONIC OBJECT PROTOCOL UNITS BY PROTOCOL FOR MICRO-COMPUTER FOR PERIPHERALS
GEM0798-US-NP	United States Of America	THALES DIS FRANCE SA	05 févr 2001	09775668	04 oct 2001	20010025882	09 mai 2006	7042903	01 mai 2025	TRANSPORTING PORTABLE ELECTRONIC OBJECT PROTOCOL UNITS BY PROTOCOL FOR MICRO-COMPUTER FOR PERIPHERALS

GMT0216-GB-EPT	United Kingdom	THALES DIS FRANCE SA	09 oct 2009	09783910.4	03 août 2011	2351286	22 avr 2020	2351286	09 oct 2029	CRYPTOGRAPHIC ALGORITHM FAULT PROTECTIONS
GMT0216-JP-DIV	Japan	THALES DIS FRANCE SA	09 oct 2009	2014126948	16 oct 2014	2014197222			09 oct 2029	CRYPTOGRAPHIC ALGORITHM FAULT PROTECTIONS
GMT0216-JP-DIV[2]	Japan	THALES DIS FRANCE SA	18 oct 2016	2016204123	09 févr 2017	201734713	08 juin 2018	6347819	09 oct 2029	CRYPTOGRAPHIC ALGORITHM FAULT PROTECTIONS
GMT0216-JP-PCT	Japan	THALES DIS FRANCE SA	09 oct 2009	2011532582	15 mars 2012	2012506658			09 oct 2029	CRYPTOGRAPHIC ALGORITHM FAULT PROTECTIONS
GMT0216-KR-PCT	South Korea / Republic of Korea	THALES DIS FRANCE SA	09 oct 2009	2011-7009006	03 août 2011	11-88509	09 juin 2015	101528836	09 oct 2029	CRYPTOGRAPHIC ALGORITHM FAULT PROTECTIONS
GMT0216-US-PCT	United States Of America	THALES DIS FRANCE SA	09 oct 2009	13123655	10 nov 2011	20110274268	02 juil 2013	8477933	29 janv 2030	CRYPTOGRAPHIC ALGORITHM FAULT PROTECTIONS
GMT0228-DE-EPT	Germany	THALES DIS FRANCE SA	15 oct 2009	09737400.3	27 juil 2011	2346698	08 janv 2014	602009021299.0	15 oct 2029	IDENTIFICATION DOCUMENT WITH COLORED PERSONALIZATION INSIDE
GMT0228-FR-EPT	France	THALES DIS FRANCE SA	15 oct 2009	09737400.3	27 juil 2011	2346698	08 janv 2014	2346698	15 oct 2029	IDENTIFICATION DOCUMENT WITH COLORED PERSONALIZATION INSIDE
GMT0228-GB-EPT	United Kingdom	THALES DIS FRANCE SA	15 oct 2009	09737400.3	27 juil 2011	2346698	08 janv 2014	2346698	15 oct 2029	IDENTIFICATION DOCUMENT WITH COLORED PERSONALIZATION INSIDE
GMT0228-SE-EPT	Sweden	THALES DIS FRANCE SA	15 oct 2009	09737400.3	27 juil 2011	2346698	08 janv 2014	2346698	15 oct 2029	IDENTIFICATION DOCUMENT WITH COLORED PERSONALIZATION INSIDE
GMT0266-DE-EPT	Germany	THALES DIS FRANCE SA	11 août 2010	10742144.8	04 juil 2012	2471237	05 juin 2013	2471237	11 août 2030	Mobile electronic device configured to establish a secure wireless communication
GMT0266-FR-EPT	France	THALES DIS FRANCE SA	11 août 2010	10742144.8	04 juil 2012	2471237	05 juin 2013	2471237	11 août 2030	Mobile electronic device configured to establish a secure wireless communication
GMT0266-GB-EPT	United Kingdom	THALES DIS FRANCE SA	11 août 2010	10742144.8	04 juil 2012	2471237	05 juin 2013	2471237	11 août 2030	Mobile electronic device configured to establish a secure wireless communication
GMT0266-US-PCT	United States Of America	THALES DIS FRANCE SA	11 août 2010	13391714	14 juin 2012	20120151519	12 mai 2015	9032210	13 janv 2031	Mobile electronic device configured to establish a secure wireless communication
GMT0282-AU-PCT	Australia	THALES DIS FRANCE SA	02 mai 2002	2002254795	11 nov 2002	2002254795	12 avr 2007	2002254795	02 mai 2022	METHOD OF MANUFACTURING SMART CARDS
GMT0282-DE-EPT	Germany	THALES DIS FRANCE SA	02 mai 2002	02724038.1	28 janv 2004	1384197	03 juil 2019	60249946.1	02 mai 2022	METHOD OF MANUFACTURING SMART CARDS
GMT0282-FR-EPT	France	THALES DIS FRANCE SA	02 mai 2002	02724038.1	28 janv 2004	1384197	03 juil 2019	1384197	02 mai 2022	METHOD OF MANUFACTURING SMART CARDS
GMT0282-GB-EPT	United Kingdom	THALES DIS FRANCE SA	02 mai 2002	02724038.1	28 janv 2004	1384197	03 juil 2019	1384197	02 mai 2022	METHOD OF MANUFACTURING SMART CARDS
GMT0282-US-PCT	United States Of America	THALES DIS FRANCE SA	02 mai 2002	10476630	08 juil 2004	20040133800	21 mars 2006	7014119	18 sept 2022	METHOD OF MANUFACTURING SMART CARDS
GMT0283-BR-PCT	Brazil	THALES DIS FRANCE SA	01 avr 2010	1014557	05 déc 2012	1014557			01 avr 2030	Method for personalizing an electronic device, associated data processing method and device
GMT0283-KR-PCT	South Korea / Republic of Korea	THALES DIS FRANCE SA	01 avr 2010	20117026733	03 janv 2012	2012000110	30 mai 2014	101404888	01 avr 2030	Method for personalizing an electronic device, associated data processing method and device
GMT0283-US-PCT	United States Of America	THALES DIS FRANCE SA	01 avr 2010	13262950	26 avr 2012	20120102278	03 juil 2018	10013841	01 avr 2030	Method for personalizing an electronic device, associated data processing method and device
GMT0287-DE-EPT	Germany	THALES DIS FRANCE SA	24 nov 2009	09760519.0	05 oct 2011	2371031	21 juin 2017	2371031	24 nov 2029	Radiofrequency communication device with an offset antenna
GMT0287-FR-EPT	France	THALES DIS FRANCE SA	24 nov 2009	09760519.0	05 oct 2011	2371031	21 juin 2017	2371031	24 nov 2029	Radiofrequency communication device with an offset antenna

GMT0287-GB-EPT	United Kingdom	THALES DIS FRANCE SA	24 nov 2009	09760519.0	05 oct 2011	2371031	21 juin 2017	2371031	24 nov 2029	Radiofrequency communication device with an offset antenna
GMT0287-JP-PCT	Japan	THALES DIS FRANCE SA	24 nov 2009	2011537957	26 avr 2012	2012510227	20 mars 2014	5503664	24 nov 2029	Radiofrequency communication device with an offset antenna
GMT0287-US-PCT	United States Of America	THALES DIS FRANCE SA	24 nov 2009	13130067	22 sept 2011	20110230147	11 mars 2014	8670803	24 mars 2030	Radiofrequency communication device with an offset antenna
GMT0293-CN-PCT	China	THALES DIS FRANCE SA	02 juil 2010	201080039484.0	30 mai 2012	102484544	10 août 2016	ZL201080039484.0	02 juil 2030	Radio frequency field indicator device and manufacturing method
GMT0299-US-NP	United States Of America	THALES DIS FRANCE SA	31 mars 2003	10403853			22 juin 2004	6752321	31 mars 2023	SMART CARD AND METHOD THAT MODULATES MULTI-COLOR LED INDICATIVE OF OPERATIONAL ATTRIBUTES AND/OR TRANSACTIONS BETWEEN THE SMART CARD AND USB PORT OF A USB HOST
GMT0300-US-NP	United States Of America	THALES DIS FRANCE SA	31 mars 2003	10403854			10 août 2004	6772956	31 mars 2023	SMART CARD AND METHOD THAT MODULATES TRAFFIC SIGNALING INDICATIVE OF OPERATIONAL ATTRIBUTES OF THE SMART CARD AND/OR TRANSACTIONS BETWEEN THE SMART CARD AND USB PORT OF A USB HOST
GMT0305-EP-EPT	European Procedure (Patents)	THALES DIS FRANCE SA	24 nov 2009	09768351.0	26 oct 2011	2380148			24 nov 2029	METHOD AND TOKEN FOR MANAGING ONE PROCESSING RELATING TO AN APPLICATION SUPPORTED OR TO BE SUPPORTED BY A TOKEN
GMT0305-JP-PCT	Japan	THALES DIS FRANCE SA	24 nov 2009	2011541274	31 mai 2012	2012512474	30 janv 2015	5688028	24 nov 2029	METHOD AND TOKEN FOR MANAGING ONE PROCESSING RELATING TO AN APPLICATION SUPPORTED OR TO BE SUPPORTED BY A TOKEN
GMT0305-SG-DIV	Singapore	THALES DIS FRANCE SA	24 nov 2009	2013093463	17 déc 2013	196339	24 avr 2017	196339	24 nov 2029	METHOD AND TOKEN FOR MANAGING ONE PROCESSING RELATING TO AN APPLICATION SUPPORTED OR TO BE SUPPORTED BY A TOKEN
GMT0305-US-PCT	United States Of America	THALES DIS FRANCE SA	24 nov 2009	13139619	01 déc 2011	20110296521	28 févr 2017	9582955	08 juin 2030	METHOD AND TOKEN FOR MANAGING ONE PROCESSING RELATING TO AN APPLICATION SUPPORTED OR TO BE SUPPORTED BY A TOKEN
GMT0306-US-NP	United States Of America	THALES DIS FRANCE SA	09 juin 2003	10457294	09 déc 2004	20040250191	24 oct 2006	7127649	09 juin 2023	SMARTCARD TEST SYSTEM AND RELATED METHODS
GMT0315-US-PCT	United States Of America	THALES DIS FRANCE SA	22 oct 2009	13126904	13 oct 2011	20110252140	22 juil 2014	8788670	07 juil 2030	METHOD FOR ESTABLISHING A LINK BETWEEN THE APPLICATIONS OF AN AUTHENTICATION CARD OF A SUBSCRIBER AND AN IMS NETWORK
GMT0316-EP-EPT	European Procedure (Patents)	THALES DIS FRANCE SA	23 juin 2010	10726088.7	02 mai 2012	2446351			23 juin 2030	DEVICE WITH TIME LIMITED USE AUTO START APPLICATION
GMT0316-JP-PCT	Japan	THALES DIS FRANCE SA	23 juin 2010	2012-516729	06 déc 2012	2012-530993	13 févr 2015	5695037	23 juin 2030	DEVICE WITH TIME LIMITED USE AUTO START APPLICATION
GMT0316-KR-PCT	South Korea / Republic of Korea	THALES DIS FRANCE SA	23 juin 2010	2012-7001731	08 oct 2012	12-109460	22 nov 2016	1680141	23 juin 2030	DEVICE WITH TIME LIMITED USE AUTO START APPLICATION
GMT0316-US-PCT	United States Of America	THALES DIS FRANCE SA	23 juin 2010	13380571	26 avr 2012	20120102237	08 mai 2018	9965298	03 oct 2032	DEVICE WITH TIME LIMITED USE AUTO START APPLICATION
GMT0317-DE-EPT	Germany	THALES DIS FRANCE SA	29 mars 2010	10711673.3	22 févr 2012	2419865	26 nov 2014	2419865	29 mars 2030	COMMUNICATION DEVICE COMPRISING TWO CHIPS WITH COMMON COMMUNICATION INTERFACE
GMT0317-ES-EPT	Spain	THALES DIS FRANCE SA	29 mars 2010	10711673.3	22 févr 2012	2419865	26 nov 2014	2419865	29 mars 2030	COMMUNICATION DEVICE COMPRISING TWO CHIPS WITH COMMON COMMUNICATION INTERFACE
GMT0317-FR-EPT	France	THALES DIS FRANCE SA	29 mars 2010	10711673.3	22 févr 2012	2419865	26 nov 2014	2419865	29 mars 2030	COMMUNICATION DEVICE COMPRISING TWO CHIPS WITH COMMON COMMUNICATION INTERFACE
GMT0319-BR-PCT	Brazil	THALES DIS FRANCE SA	30 mars 2010	PI1012622-8	29 mars 2016	PI1012622-8	04 févr 2020	PI1012622-8	30 mars 2030	SECURE IDENTIFICATION DOCUMENT AND METHOD FOR PRODUCING IT

GMT0319-DE-EPT	Germany	THALES DIS FRANCE SA	30 mars 2010	10712067.7	08 févr 2012	2414177	13 juin 2018	602010051244.4	30 mars 2030	SECURE IDENTIFICATION DOCUMENT AND METHOD FOR PRODUCING IT
GMT0319-FR-EPT	France	THALES DIS FRANCE SA	30 mars 2010	10712067.7	08 févr 2012	2414177	13 juin 2018	2414177	30 mars 2030	SECURE IDENTIFICATION DOCUMENT AND METHOD FOR PRODUCING IT
GMT0319-GB-EPT	United Kingdom	THALES DIS FRANCE SA	30 mars 2010	10712067.7	08 févr 2012	2414177	13 juin 2018	2414177	30 mars 2030	SECURE IDENTIFICATION DOCUMENT AND METHOD FOR PRODUCING IT
GMT0319-NL-EPT	Netherlands	THALES DIS FRANCE SA	30 mars 2010	10712067.7	08 févr 2012	2414177	13 juin 2018	2414177	30 mars 2030	SECURE IDENTIFICATION DOCUMENT AND METHOD FOR PRODUCING IT
GMT0319-SG-PCT	Singapore	THALES DIS FRANCE SA	30 mars 2010	201106696-6	28 oct 2011	174440	23 juin 2014	2011066966	30 mars 2030	SECURE IDENTIFICATION DOCUMENT AND METHOD FOR PRODUCING IT
GMT0322-CN-PCT	China	THALES DIS FRANCE SA	28 déc 2010	201080064982.0	14 nov 2012	102782693	25 nov 2015	ZL201080064982.0	28 déc 2030	JCVM Bytecode Execution Protection against fault attacks
GMT0322-DE-EPT	Germany	THALES DIS FRANCE SA	28 déc 2010	10800765.9	07 nov 2012	2519908	08 nov 2017	602010046586.1	28 déc 2030	JCVM Bytecode Execution Protection against fault attacks
GMT0322-FR-EPT	France	THALES DIS FRANCE SA	28 déc 2010	10800765.9	07 nov 2012	2519908	08 nov 2017	2519908	28 déc 2030	JCVM Bytecode Execution Protection against fault attacks
GMT0322-GB-EPT	United Kingdom	THALES DIS FRANCE SA	28 déc 2010	10800765.9	07 nov 2012	2519908	08 nov 2017	2519908	28 déc 2030	JCVM Bytecode Execution Protection against fault attacks
GMT0322-US-PCT	United States Of America	THALES DIS FRANCE SA	28 déc 2010	13519933	10 janv 2013	20130014256	18 nov 2014	8893275	11 janv 2031	JCVM Bytecode Execution Protection against fault attacks
GMT0326-DE-EPT	Germany	THALES DIS FRANCE SA	16 oct 2009	09832961.8	26 oct 2011	2380329	25 juil 2018	602009053512.9	16 oct 2029	METHOD OF MANAGING SENSITIVE DATA IN AN ELECTRONIC TOKEN
GMT0326-FR-EPT	France	THALES DIS FRANCE SA	16 oct 2009	09832961.8	26 oct 2011	2380329	25 juil 2018	2380329	16 oct 2029	METHOD OF MANAGING SENSITIVE DATA IN AN ELECTRONIC TOKEN
GMT0326-GB-EPT	United Kingdom	THALES DIS FRANCE SA	16 oct 2009	09832961.8	26 oct 2011	2380329	25 juil 2018	2380329	16 oct 2029	METHOD OF MANAGING SENSITIVE DATA IN AN ELECTRONIC TOKEN
GMT0326-US-PCT	United States Of America	THALES DIS FRANCE SA	16 oct 2009	13140210	02 févr 2012	20120030744	29 sept 2015	9148783	15 janv 2031	METHOD OF MANAGING SENSITIVE DATA IN AN ELECTRONIC TOKEN
GMT0340-DE-EPT	Germany	THALES DIS FRANCE SA	29 sept 2010	10759662.9	08 août 2012	2484078	27 août 2014	2484078	29 sept 2030	Method for securizing the execution of a NFC application installed in a secure element integrated in a mobile terminal
GMT0340-ES-EPT	Spain	THALES DIS FRANCE SA	29 sept 2010	10759662.9	08 août 2012	2484078	27 août 2014	2484078	29 sept 2030	Method for securizing the execution of a NFC application installed in a secure element integrated in a mobile terminal
GMT0340-FR-EPT	France	THALES DIS FRANCE SA	29 sept 2010	10759662.9	08 août 2012	2484078	27 août 2014	2484078	29 sept 2030	Method for securizing the execution of a NFC application installed in a secure element integrated in a mobile terminal
GMT0340-GB-EPT	United Kingdom	THALES DIS FRANCE SA	29 sept 2010	10759662.9	08 août 2012	2484078	27 août 2014	2484078	29 sept 2030	Method for securizing the execution of a NFC application installed in a secure element integrated in a mobile terminal
GMT0340-IT-EPT	Italy	THALES DIS FRANCE SA	29 sept 2010	10759662.9	08 août 2012	2484078	27 août 2014	2484078	29 sept 2030	Method for securizing the execution of a NFC application installed in a secure element integrated in a mobile terminal
GMT0340-NL-EPT	Netherlands	THALES DIS FRANCE SA	29 sept 2010	10759662.9	08 août 2012	2484078	27 août 2014	2484078	29 sept 2030	Method for securizing the execution of a NFC application installed in a secure element integrated in a mobile terminal
GMT0340-US-PCT	United States Of America	THALES DIS FRANCE SA	29 sept 2010	13499550	13 sept 2012	20120231736	16 sept 2014	8838025	06 juin 2031	Method for securizing the execution of a NFC application installed in a secure element integrated in a mobile terminal
GMT0344-CN-PCT	China	THALES DIS FRANCE SA	30 juil 2010	1080043496.0	04 juil 2012	102549605	16 sept 2015	ZL1080043496.0	30 juil 2030	ELECTRONIC CIRCUIT FOR INTERCONNECTING A SMARTCARD CHIP
GMT0344-DE-EPT	Germany	THALES DIS FRANCE SA	30 juil 2010	10739908.1	13 juin 2012	2462544	03 déc 2014	2462544	30 juil 2030	ELECTRONIC CIRCUIT FOR INTERCONNECTING A SMARTCARD CHIP
GMT0344-FR-EPT	France	THALES DIS FRANCE SA	30 juil 2010	10739908.1	13 juin 2012	2462544	03 déc 2014	2462544	30 juil 2030	ELECTRONIC CIRCUIT FOR INTERCONNECTING A SMARTCARD CHIP
GMT0344-GB-EPT	United Kingdom	THALES DIS FRANCE SA	30 juil 2010	10739908.1	13 juin 2012	2462544	03 déc 2014	2462544	30 juil 2030	ELECTRONIC CIRCUIT FOR INTERCONNECTING A SMARTCARD CHIP
GMT0344-US-PCT	United States Of America	THALES DIS FRANCE SA	30 juil 2010	13387792	24 mai 2012	20120131234	20 oct 2020	10810476	23 mai 2033	ELECTRONIC CIRCUIT FOR INTERCONNECTING A SMARTCARD CHIP

GMT0357-DE-EPT	Germany	THALES DIS FRANCE SA	30 mars 2010	10711888.7	15 févr 2012	2417751	18 mars 2020	2417751	30 mars 2030	METHOD OF PRESELECTING AT LEAST ONE APPLICATION IN A MOBILE COMMUNICATION DEVICE COMPRISING AN NFC SYSTEM
GMT0357-ES-EPT	Spain	THALES DIS FRANCE SA	30 mars 2010	10711888.7	15 févr 2012	2417751	18 mars 2020	2417751	30 mars 2030	METHOD OF PRESELECTING AT LEAST ONE APPLICATION IN A MOBILE COMMUNICATION DEVICE COMPRISING AN NFC SYSTEM
GMT0357-FR-EPT	France	THALES DIS FRANCE SA	30 mars 2010	10711888.7	15 févr 2012	2417751	18 mars 2020	2417751	30 mars 2030	METHOD OF PRESELECTING AT LEAST ONE APPLICATION IN A MOBILE COMMUNICATION DEVICE COMPRISING AN NFC SYSTEM
GMT0357-GB-EPT	United Kingdom	THALES DIS FRANCE SA	30 mars 2010	10711888.7	15 févr 2012	2417751	18 mars 2020	2417751	30 mars 2030	METHOD OF PRESELECTING AT LEAST ONE APPLICATION IN A MOBILE COMMUNICATION DEVICE COMPRISING AN NFC SYSTEM
GMT0357-IT-EPT	Italy	THALES DIS FRANCE SA	30 mars 2010	10711888.7	15 févr 2012	2417751	18 mars 2020	502020000054583	30 mars 2030	METHOD OF PRESELECTING AT LEAST ONE APPLICATION IN A MOBILE COMMUNICATION DEVICE COMPRISING AN NFC SYSTEM
GMT0357-JP-PCT	Japan	THALES DIS FRANCE SA	30 mars 2010	2012-503969	04 oct 2012	2012-523727	19 déc 2014	5668051	30 mars 2030	METHOD OF PRESELECTING AT LEAST ONE APPLICATION IN A MOBILE COMMUNICATION DEVICE COMPRISING AN NFC SYSTEM
GMT0357-US-PCT	United States Of America	THALES DIS FRANCE SA	30 mars 2010	13263705	09 févr 2012	20120034868	03 juin 2014	8744348	30 juil 2030	METHOD OF PRESELECTING AT LEAST ONE APPLICATION IN A MOBILE COMMUNICATION DEVICE COMPRISING AN NFC SYSTEM
GMT0359-CN-PCT	China	THALES DIS FRANCE SA	30 août 2010	201080048700.8	11 juil 2012	102577454	25 févr 2015	ZL201080048700.8	30 août 2030	A method for communicating data between a secure element and a network access point and a corresponding secure element
GMT0359-DE-EPT	Germany	THALES DIS FRANCE SA	30 août 2010	10785000.0	11 juil 2012	2474178	12 août 2015	2474178	30 août 2030	A method for communicating data between a secure element and a network access point and a corresponding secure element
GMT0359-ES-EPT	Spain	THALES DIS FRANCE SA	30 août 2010	10785000.0	11 juil 2012	2474178	12 août 2015	2474178	30 août 2030	A method for communicating data between a secure element and a network access point and a corresponding secure element
GMT0359-FR-EPT	France	THALES DIS FRANCE SA	30 août 2010	10785000.0	11 juil 2012	2474178	12 août 2015	2474178	30 août 2030	A method for communicating data between a secure element and a network access point and a corresponding secure element
GMT0359-GB-EPT	United Kingdom	THALES DIS FRANCE SA	30 août 2010	10785000.0	11 juil 2012	2474178	12 août 2015	2474178	30 août 2030	A method for communicating data between a secure element and a network access point and a corresponding secure element
GMT0360-DE-EPT	Germany	THALES DIS FRANCE SA	26 janv 2010	10701666.9	30 nov 2011	2389742	19 juil 2017	602010043703.5	26 janv 2030	secure communication establishment process, without sharing prior information
GMT0360-FR-EPT	France	THALES DIS FRANCE SA	26 janv 2010	10701666.9	30 nov 2011	2389742	19 juil 2017	2389742	26 janv 2030	secure communication establishment process, without sharing prior information
GMT0360-GB-EPT	United Kingdom	THALES DIS FRANCE SA	26 janv 2010	10701666.9	30 nov 2011	2389742	19 juil 2017	2389742	26 janv 2030	secure communication establishment process, without sharing prior information
GMT0360-JP-PCT	Japan	THALES DIS FRANCE SA	26 janv 2010	2011544894	28 juin 2012	2012514925	26 juil 2013	5323206	26 janv 2030	secure communication establishment process, without sharing prior information
GMT0360-KR-PCT	South Korea / Republic of Korea	THALES DIS FRANCE SA	26 janv 2010	20117017494	21 sept 2011	2011007878	17 sept 2013	101312174	26 janv 2030	secure communication establishment process, without sharing prior information
GMT0360-MX-PCT	Mexico	THALES DIS FRANCE SA	26 janv 2010	PA2011007878	21 sept 2011	PA2011007878	14 avr 2014	319383	26 janv 2030	secure communication establishment process, without sharing prior information
GMT0360-US-PCT	United States Of America	THALES DIS FRANCE SA	26 janv 2010	13145724	17 nov 2011	20110283107	18 févr 2014	8656163	06 juin 2030	secure communication establishment process, without sharing prior information
GMT0381-CN-PCT	China	THALES DIS FRANCE SA	06 avr 2010	201080015304.5	21 mars 2012	20102388596	11 mars 2015	ZL201080015304.5	06 avr 2030	Method of detecting a NFC device emulating several contactless cards wich may use a plurality of protocols
GMT0381-DE-EPT	Germany	THALES DIS FRANCE SA	06 avr 2010	10713329.0	15 févr 2012	2417753	06 juin 2018	602010051088.3	06 avr 2030	Method of detecting a NFC device emulating several contactless cards wich may use a plurality of protocols

GMT0381- FR-EPT	France	THALES DIS FRANCE SA	06 avr 2010	10713329.0	15 févr 2012	2417753	06 juin 2018	2417753	06 avr 2030	Method of detecting a NFC device emulating several contactless cards wich may use a plurality of protocols
GMT0381- GB-EPT	United Kingdom	THALES DIS FRANCE SA	06 avr 2010	10713329.0	15 févr 2012	2417753	06 juin 2018	2417753	06 avr 2030	Method of detecting a NFC device emulating several contactless cards wich may use a plurality of protocols
GMT0381- JP-PCT	Japan	THALES DIS FRANCE SA	06 avr 2010	2012503996	04 oct 2012	2012523729	15 mars 2013	5220236	06 avr 2030	Method of detecting a NFC device emulating several contactless cards wich may use a plurality of protocols
GMT0381- US-PCT	United States Of America	THALES DIS FRANCE SA	06 avr 2010	13263560	02 févr 2012	20120028579	11 mars 2014	8670711	07 sept 2030	Method of detecting a NFC device emulating several contactless cards wich may use a plurality of protocols
GMT0382- US-NP	United States Of America	THALES DIS FRANCE SA	06 avr 2010	12754823	21 avr 2011	20110092253	10 juil 2012	8219148	02 juil 2030	METHOD FOR ACTIVATING THE SUBSCRIPTION OF AN UICC DEVICE
GMT0400- CN-PCT	China	THALES DIS FRANCE SA	09 févr 2010	1080009018.8	18 janv 2012	102326203	22 juil 2015	ZL1080009018.8	09 févr 2030	METHOD FOR SELECTING AVAILABLE MEMORY SIZE IN A CIRCUIT COMPRISING AT LEAST ONE PROCESSOR AND ONE MEMORY BANK,CORRESPONDING PROGRAM AND CHIP CARD
GMT0400- DE-EPT	Germany	THALES DIS FRANCE SA	09 févr 2010	10703845.7	28 déc 2011	2399257	08 avr 2015	2399257	09 févr 2030	METHOD FOR SELECTING AVAILABLE MEMORY SIZE IN A CIRCUIT COMPRISING AT LEAST ONE PROCESSOR AND ONE MEMORY BANK,CORRESPONDING PROGRAM AND CHIP CARD
GMT0400- EP-EPT	European Procedure (Patents)	THALES DIS FRANCE SA	09 févr 2010	10703845.7	28 déc 2011	2399257	08 avr 2015	2399257	09 févr 2030	METHOD OF SELECTION OF AN AVAILABLE MEMORY SIZE OF A CIRCUIT INCLUDING AT LEAST PROCESSOR AND A MEMORY AND CORRESPONDING PROGRAM AND SMART CARD
GMT0400- FR-EPT	France	THALES DIS FRANCE SA	09 févr 2010	10703845.7	28 déc 2011	2399257	08 avr 2015	2399257	09 févr 2030	METHOD FOR SELECTING AVAILABLE MEMORY SIZE IN A CIRCUIT COMPRISING AT LEAST ONE PROCESSOR AND ONE MEMORY BANK,CORRESPONDING PROGRAM AND CHIP CARD
GMT0400- GB-EPT	United Kingdom	THALES DIS FRANCE SA	09 févr 2010	10703845.7	28 déc 2011	2399257	08 avr 2015	2399257	09 févr 2030	METHOD FOR SELECTING AVAILABLE MEMORY SIZE IN A CIRCUIT COMPRISING AT LEAST ONE PROCESSOR AND ONE MEMORY BANK,CORRESPONDING PROGRAM AND CHIP CARD
GMT0400- IT-EPT	Italy	THALES DIS FRANCE SA	09 févr 2010	10703845.7	28 déc 2011	2399257	08 avr 2015	502015000030692	09 févr 2030	METHOD FOR SELECTING AVAILABLE MEMORY SIZE IN A CIRCUIT COMPRISING AT LEAST ONE PROCESSOR AND ONE MEMORY BANK,CORRESPONDING PROGRAM AND CHIP CARD
GMT0400- JP-PCT	Japan	THALES DIS FRANCE SA	09 févr 2010	2011550516	16 août 2012	2012518824	15 août 2014	5596057	09 févr 2030	METHOD FOR SELECTING AVAILABLE MEMORY SIZE IN A CIRCUIT COMPRISING AT LEAST ONE PROCESSOR AND ONE MEMORY BANK,CORRESPONDING PROGRAM AND CHIP CARD
GMT0400- KR-PCT	South Korea / Republic of Korea	THALES DIS FRANCE SA	09 févr 2010	20117019549	30 nov 2016	20110128826	20 déc 2016	101689698	09 févr 2030	METHOD FOR SELECTING AVAILABLE MEMORY SIZE IN A CIRCUIT COMPRISING AT LEAST ONE PROCESSOR AND ONE MEMORY BANK,CORRESPONDING PROGRAM AND CHIP CARD
GMT0400- SG-PCT	Singapore	THALES DIS FRANCE SA	09 févr 2010	201105798-1	29 sept 2011	173651	15 juil 2014	173651	09 févr 2030	METHOD FOR SELECTING AVAILABLE MEMORY SIZE IN A CIRCUIT COMPRISING AT LEAST ONE PROCESSOR AND ONE MEMORY BANK,CORRESPONDING PROGRAM AND CHIP CARD
GMT0400- US-PCT	United States Of America	THALES DIS FRANCE SA	09 févr 2010	13202981	22 déc 2011	20110314249	27 mai 2014	8738885	30 oct 2030	METHOD FOR SELECTING AVAILABLE MEMORY SIZE IN A CIRCUIT COMPRISING AT LEAST ONE PROCESSOR AND ONE MEMORY BANK,CORRESPONDING PROGRAM AND CHIP CARD
GMT0405- DE-EPT	Germany	THALES DIS FRANCE SA	05 mars 2010	10708183.8	18 janv 2012	2406977	05 juin 2019	602010059246.4	05 mars 2030	METHOD FOR AVOIDING MALICIOUS USES OF A SIM CARD INSERTED IN A M2M DEVICE AND M2M DEVICE
GMT0405- FR-EPT	France	THALES DIS FRANCE SA	05 mars 2010	10708183.8	18 janv 2012	2406977	05 juin 2019	2406977	05 mars 2030	METHOD FOR AVOIDING MALICIOUS USES OF A SIM CARD INSERTED IN A M2M DEVICE AND M2M DEVICE

GMT0405-GB-EPT	United Kingdom	THALES DIS FRANCE SA	05 mars 2010	10708183.8	18 janv 2012	2406977	05 juin 2019	2406977	05 mars 2030	METHOD FOR AVOIDING MALICIOUS USES OF A SIM CARD INSERTED IN A M2M DEVICE AND M2M DEVICE
GMT0405-US-PCT	United States Of America	THALES DIS FRANCE SA	05 mars 2010	13255914	12 janv 2012	20120009979	03 nov 2015	9179317	11 juin 2031	METHOD FOR AVOIDING MALICIOUS USES OF A SIM CARD INSERTED IN A M2M DEVICE AND M2M DEVICE
GMT0411-DE-EPT	Germany	THALES DIS FRANCE SA	10 mai 2011	11718406.9	27 mars 2013	2572308	30 août 2017	602011041055.5	10 mai 2031	SECURITY TOKEN FOR SECURELY EXECUTING AN APPLICATION ON A HOST COMPUTER
GMT0411-FR-EPT	France	THALES DIS FRANCE SA	10 mai 2011	11718406.9	27 mars 2013	2572308	30 août 2017	2572308	10 mai 2031	SECURITY TOKEN FOR SECURELY EXECUTING AN APPLICATION ON A HOST COMPUTER
GMT0411-GB-EPT	United Kingdom	THALES DIS FRANCE SA	10 mai 2011	11718406.9	27 mars 2013	2572308	30 août 2017	2572308	10 mai 2031	SECURITY TOKEN FOR SECURELY EXECUTING AN APPLICATION ON A HOST COMPUTER
GMT0411-US-PCT	United States Of America	THALES DIS FRANCE SA	10 mai 2011	13698588	07 mars 2013	20130061312	24 févr 2015	8966605	10 mai 2031	SECURITY TOKEN FOR SECURELY EXECUTING AN APPLICATION ON A HOST COMPUTER
GMT0424-CN-PCT	China	THALES DIS FRANCE SA	22 sept 2008	200880118120.4	03 nov 2010	101878492	25 juil 2012	ZL200880118120.4	22 sept 2028	TRUSTED SERVICE MANAGER MANAGING REPORTS OF LOST OR STOLEN MOBILE COMMUNICATION DEVICES
GMT0424-DE-EPT	Germany	THALES DIS FRANCE SA	22 sept 2008	08807742.5	16 juin 2010	2195794	10 avr 2019	602008059702.4	22 sept 2028	TRUSTED SERVICE MANAGER MANAGING REPORTS OF LOST OR STOLEN MOBILE COMMUNICATION DEVICES
GMT0424-FR-EPT	France	THALES DIS FRANCE SA	22 sept 2008	08807742.5	16 juin 2010	2195794	10 avr 2019	2195794	22 sept 2028	TRUSTED SERVICE MANAGER MANAGING REPORTS OF LOST OR STOLEN MOBILE COMMUNICATION DEVICES
GMT0424-GB-EPT	United Kingdom	THALES DIS FRANCE SA	22 sept 2008	08807742.5	16 juin 2010	2195794	10 avr 2019	2195794	22 sept 2028	TRUSTED SERVICE MANAGER MANAGING REPORTS OF LOST OR STOLEN MOBILE COMMUNICATION DEVICES
GMT0424-US-PCT	United States Of America	THALES DIS FRANCE SA	22 sept 2008	12680717	10 févr 2011	20110034160	13 mai 2014	8725211	05 févr 2031	TRUSTED SERVICE MANAGER MANAGING REPORTS OF LOST OR STOLEN MOBILE COMMUNICATION DEVICES
GMT0431-DE-EPT	Germany	THALES DIS FRANCE SA	17 août 2010	10742850.0	04 juil 2012	2471030	12 avr 2017	2471030	17 août 2030	Method for the realization of a device comprising a radiofrequency circuit, obtained device and module for carrying out the method
GMT0431-ES-EPT	Spain	THALES DIS FRANCE SA	17 août 2010	10742850.0	04 juil 2012	2471030	12 avr 2017	2471030	17 août 2030	Method for the realization of a device comprising a radiofrequency circuit, obtained device and module for carrying out the method
GMT0431-GB-EPT	United Kingdom	THALES DIS FRANCE SA	17 août 2010	10742850.0	04 juil 2012	2471030	12 avr 2017	2471030	17 août 2030	Method for the realization of a device comprising a radiofrequency circuit, obtained device and module for carrying out the method
GMT0431-IT-EPT	Italy	THALES DIS FRANCE SA	17 août 2010	10742850.0	04 juil 2012	2471030	12 avr 2017	2471030	17 août 2030	Method for the realization of a device comprising a radiofrequency circuit, obtained device and module for carrying out the method
GMT0443-DE-EPT	Germany	THALES DIS FRANCE SA	24 mai 2011	11721065.8	10 avr 2013	2577571	12 avr 2017	602011069840.0	24 mai 2031	METHOD FOR REALIZING A MULTIFUNCTIONAL MODULE AND DEVICE COMPRISING THE SAME
GMT0443-DE-ETD	Germany	THALES DIS FRANCE SA	24 mai 2011	17165550.9	27 sept 2017	3223199	30 déc 2020	3223199	24 mai 2031	METHOD FOR REALIZING A MULTIFUNCTIONAL MODULE AND DEVICE COMPRISING THE SAME
GMT0443-EP-ETD	European Procedure (Patents)	THALES DIS FRANCE SA	24 mai 2011	17165550.9	27 sept 2017	3223199	30 déc 2020	3223199	24 mai 2031	METHOD FOR REALIZING A MULTIFUNCTIONAL MODULE AND DEVICE COMPRISING THE SAME
GMT0443-FR-EPT	France	THALES DIS FRANCE SA	24 mai 2011	11721065.8	10 avr 2013	2577571	12 avr 2017	2577571	24 mai 2031	METHOD FOR REALIZING A MULTIFUNCTIONAL MODULE AND DEVICE COMPRISING THE SAME
GMT0443-FR-ETD	France	THALES DIS FRANCE SA	24 mai 2011	17165550.9	27 sept 2017	3223199	30 déc 2020	3223199	24 mai 2031	METHOD FOR REALIZING A MULTIFUNCTIONAL MODULE AND DEVICE COMPRISING THE SAME
GMT0443-GB-EPT	United Kingdom	THALES DIS FRANCE SA	24 mai 2011	11721065.8	10 avr 2013	2577571	12 avr 2017	2577571	24 mai 2031	METHOD FOR REALIZING A MULTIFUNCTIONAL MODULE AND DEVICE COMPRISING THE SAME

GMT1047-BE-EPT	Belgium	THALES DIS FRANCE SA	12 janv 2012	I2700183.2	20 nov 2013	2664122	24 déc 2014	2664122	12 janv 2032	METHOD FOR ESTABLISHING AN IP BIDIRECTIONAL COMMUNICATION CHANNEL IN A TELECOMMUNICATION NETWORK
GMT1047-DE-EPT	Germany	THALES DIS FRANCE SA	12 janv 2012	I2700183.2	20 nov 2013	2664122	24 déc 2014	2664122	12 janv 2032	METHOD FOR ESTABLISHING AN IP BIDIRECTIONAL COMMUNICATION CHANNEL IN A TELECOMMUNICATION NETWORK
GMT1047-ES-EPT	Spain	THALES DIS FRANCE SA	12 janv 2012	I2700183.2	20 nov 2013	2664122	24 déc 2014	2664122	12 janv 2032	METHOD FOR ESTABLISHING AN IP BIDIRECTIONAL COMMUNICATION CHANNEL IN A TELECOMMUNICATION NETWORK
GMT1047-FR-EPT	France	THALES DIS FRANCE SA	12 janv 2012	I2700183.2	20 nov 2013	2664122	24 déc 2014	2664122	12 janv 2032	METHOD FOR ESTABLISHING AN IP BIDIRECTIONAL COMMUNICATION CHANNEL IN A TELECOMMUNICATION NETWORK
GMT1047-GB-EPT	United Kingdom	THALES DIS FRANCE SA	12 janv 2012	I2700183.2	20 nov 2013	2664122	24 déc 2014	2664122	12 janv 2032	METHOD FOR ESTABLISHING AN IP BIDIRECTIONAL COMMUNICATION CHANNEL IN A TELECOMMUNICATION NETWORK
GMT1047-IT-EPT	Italy	THALES DIS FRANCE SA	12 janv 2012	I2700183.2	20 nov 2013	2664122	24 déc 2014	2664122	12 janv 2032	METHOD FOR ESTABLISHING AN IP BIDIRECTIONAL COMMUNICATION CHANNEL IN A TELECOMMUNICATION NETWORK
GMT1047-NL-EPT	Netherlands	THALES DIS FRANCE SA	12 janv 2012	I2700183.2	20 nov 2013	2664122	24 déc 2014	2664122	12 janv 2032	METHOD FOR ESTABLISHING AN IP BIDIRECTIONAL COMMUNICATION CHANNEL IN A TELECOMMUNICATION NETWORK
GMT1047-US-PCT	United States Of America	THALES DIS FRANCE SA	12 janv 2012	I3979111	01 mai 2014	20140119355	29 sept 2015	9148896	23 sept 2032	METHOD FOR ESTABLISHING AN IP BIDIRECTIONAL COMMUNICATION CHANNEL IN A TELECOMMUNICATION NETWORK
GMT1068-BR-PCT[6]	Brazil	THALES DIS FRANCE SA	02 déc 2011	BR1120130140968	20 sept 2016	BR1120130140968			02 déc 2031	Improvements to UICCs embedded in terminals or removable there from
GMT1068-BR-PCT[7]	Brazil	THALES DIS FRANCE SA	05 déc 2011	BR1120130140941	20 sept 2016	BR1120130140941			05 déc 2031	Improvements to UICCs embedded in terminals or removable there from
GMT1068-CA-PCT[10]	Canada	THALES DIS FRANCE SA	02 déc 2011	2819766	14 juin 2012	2819766	20 août 2019	2819766	02 déc 2031	Improvements to UICCs embedded in terminals or removable there from
GMT1068-CA-PCT[2]	Canada	THALES DIS FRANCE SA	02 déc 2011	2819396	14 juin 2012	2819396	18 avr 2017	2819396	02 déc 2031	Improvements to UICCs embedded in terminals or removable there from
GMT1068-CA-PCT[4]	Canada	THALES DIS FRANCE SA	05 déc 2011	2819781	14 juin 2012	2819781	11 oct 2016	2819781	05 déc 2031	Improvements to UICCs embedded in terminals or removable there from
GMT1068-CA-PCT[5]	Canada	THALES DIS FRANCE SA	02 déc 2011	2819949	14 juin 2012	2819949	27 juin 2017	2819949	02 déc 2031	Improvements to UICCs embedded in terminals or removable there from
GMT1068-CA-PCT[6]	Canada	THALES DIS FRANCE SA	02 déc 2011	2819764	14 juin 2012	2819764	07 mars 2017	2819764	02 déc 2031	Improvements to UICCs embedded in terminals or removable there from
GMT1068-CA-PCT[7]	Canada	THALES DIS FRANCE SA	05 déc 2011	2819782	14 juin 2012	2819782	21 mars 2017	2819782	05 déc 2031	Improvements to UICCs embedded in terminals or removable there from
GMT1068-CH-EPT[4]	Switzerland	THALES DIS FRANCE SA	05 déc 2011	I1793753.2	16 oct 2013	2649826	23 mars 2016	2649826	05 déc 2031	Improvements to UICCs embedded in terminals or removable there from
GMT1068-CN-PCD[10]	China	THALES DIS FRANCE SA	02 déc 2011	201810954272.3					02 déc 2031	Improvements to UICCs embedded in terminals or removable there from
GMT1068-CN-PCT[2]	China	THALES DIS FRANCE SA	02 déc 2011	201180058683.0	25 sept 2013	103329584	15 févr 2017	ZL201180058683.0	02 déc 2031	Improvements to UICCs embedded in terminals or removable there from
GMT1068-CN-PCT[3]	China	THALES DIS FRANCE SA	05 déc 2011	201180058688.3	02 oct 2013	103339975	08 juin 2016	ZL201180058688.3	05 déc 2031	Improvements to UICCs embedded in terminals or removable there from
GMT1068-CN-PCT[4]	China	THALES DIS FRANCE SA	05 déc 2011	201180058684.5	25 sept 2013	103329501	17 août 2016	ZL201180058684.5	05 déc 2031	Improvements to UICCs embedded in terminals or removable there from
GMT1068-CN-PCT[5]	China	THALES DIS FRANCE SA	02 déc 2011	201180058925.6	25 sept 2013	103329502	14 déc 2016	ZL201180058925.6	02 déc 2031	Improvements to UICCs embedded in terminals or removable there from

GMT1068-CN-PCT[6]	China	THALES DIS FRANCE SA	02 déc 2011	201180058686.4	25 sept 2013	103329586	07 déc 2016	ZL201180058686.4	02 déc 2031	Improvements to UICCs embedded in terminals or removable there from
GMT1068-CN-PCT[7]	China	THALES DIS FRANCE SA	05 déc 2011	201180058685.X	25 sept 2013	103329585	07 nov 2017	ZL201180058685.X	05 déc 2031	Improvements to UICCs embedded in terminals or removable there from
GMT1068-CN-PCT[8]	China	THALES DIS FRANCE SA	05 déc 2011	201180058687.9	02 oct 2013	103339972	10 août 2016	ZL201180058687.9	05 déc 2031	Improvements to UICCs embedded in terminals or removable there from
GMT1068-CN-PCT[9]	China	THALES DIS FRANCE SA	05 déc 2011	201180058924.1	08 janv 2014	103503036	09 avr 2019	ZL201180058924.1	05 déc 2031	Improvements to UICCs embedded in terminals or removable there from
GMT1068-DE-EPT[2]	Germany	THALES DIS FRANCE SA	02 déc 2011	11802008.0	16 oct 2013	2649830	17 juin 2015	2649830	02 déc 2031	Improvements to UICCs embedded in terminals or removable there from
GMT1068-DE-EPT[3]	Germany	THALES DIS FRANCE SA	05 déc 2011	11794103.9	16 oct 2013	2649827	29 avr 2015	2649827	05 déc 2031	Improvements to UICCs embedded in terminals or removable there from
GMT1068-DE-EPT[4]	Germany	THALES DIS FRANCE SA	05 déc 2011	11793753.2	16 oct 2013	2649826	23 mars 2016	2649826	05 déc 2031	Improvements to UICCs embedded in terminals or removable there from
GMT1068-DE-EPT[5]	Germany	THALES DIS FRANCE SA	02 déc 2011	11794685.5	16 oct 2013	2649828	28 févr 2018	602011046086.2	02 déc 2031	Improvements to UICCs embedded in terminals or removable there from
GMT1068-DE-EPT[6]	Germany	THALES DIS FRANCE SA	02 déc 2011	11794687.1	16 oct 2013	2649829	16 sept 2015	602011019895.5	02 déc 2031	Improvements to UICCs embedded in terminals or removable there from
GMT1068-DE-EPT[7]	Germany	THALES DIS FRANCE SA	05 déc 2011	11804972.5	16 oct 2013	2649831	17 juin 2015	2649831	05 déc 2031	Improvements to UICCs embedded in terminals or removable there from
GMT1068-DE-EPT[8]	Germany	THALES DIS FRANCE SA	05 déc 2011	11810810.9	16 oct 2013	2649823	22 juin 2016	602011027619.0	05 déc 2031	Improvements to UICCs embedded in terminals or removable there from
GMT1068-DE-EPT[9]	Germany	THALES DIS FRANCE SA	05 déc 2011	11810809.1	16 oct 2013	2649594	22 nov 2017	602011043636.8	05 déc 2031	Improvements to UICCs embedded in terminals or removable there from
GMT1068-ES-EPT[2]	Spain	THALES DIS FRANCE SA	02 déc 2011	11802008.0	16 oct 2013	2649830	17 juin 2015	2649830	02 déc 2031	Improvements to UICCs embedded in terminals or removable there from
GMT1068-ES-EPT[3]	Spain	THALES DIS FRANCE SA	05 déc 2011	11794103.9	16 oct 2013	2649827	29 avr 2015	2649827	05 déc 2031	Improvements to UICCs embedded in terminals or removable there from
GMT1068-ES-EPT[4]	Spain	THALES DIS FRANCE SA	05 déc 2011	11793753.2	16 oct 2013	2649826	23 mars 2016	2649826	05 déc 2031	Improvements to UICCs embedded in terminals or removable there from
GMT1068-ES-EPT[6]	Spain	THALES DIS FRANCE SA	02 déc 2011	11794687.1	16 oct 2013	2649829	16 sept 2015	2649829	02 déc 2031	Improvements to UICCs embedded in terminals or removable there from
GMT1068-ES-EPT[7]	Spain	THALES DIS FRANCE SA	05 déc 2011	11804972.5	16 oct 2013	2649831	17 juin 2015	2649831	05 déc 2031	Improvements to UICCs embedded in terminals or removable there from
GMT1068-ES-EPT[9]	Spain	THALES DIS FRANCE SA	05 déc 2011	11810809.1	16 oct 2013	2649594	22 nov 2017	2649594	05 déc 2031	Improvements to UICCs embedded in terminals or removable there from
GMT1068-FR-EPT[2]	France	THALES DIS FRANCE SA	02 déc 2011	11802008.0	16 oct 2013	2649830	17 juin 2015	2649830	02 déc 2031	Improvements to UICCs embedded in terminals or removable there from
GMT1068-FR-EPT[3]	France	THALES DIS FRANCE SA	05 déc 2011	11794103.9	16 oct 2013	2649827	29 avr 2015	2649827	05 déc 2031	Improvements to UICCs embedded in terminals or removable there from
GMT1068-FR-EPT[4]	France	THALES DIS FRANCE SA	05 déc 2011	11793753.2	16 oct 2013	2649826	23 mars 2016	2649826	05 déc 2031	Improvements to UICCs embedded in terminals or removable there from
GMT1068-FR-EPT[5]	France	THALES DIS FRANCE SA	02 déc 2011	11794685.5	16 oct 2013	2649828	28 févr 2018	2649828	02 déc 2031	Improvements to UICCs embedded in terminals or removable there from
GMT1068-FR-EPT[6]	France	THALES DIS FRANCE SA	02 déc 2011	11794687.1	16 oct 2013	2649829	16 sept 2015	2649829	02 déc 2031	Improvements to UICCs embedded in terminals or removable there from
GMT1068-FR-EPT[7]	France	THALES DIS FRANCE SA	05 déc 2011	11804972.5	16 oct 2013	2649831	17 juin 2015	2649831	05 déc 2031	Improvements to UICCs embedded in terminals or removable there from
GMT1068-FR-EPT[8]	France	THALES DIS FRANCE SA	05 déc 2011	11810810.9	16 oct 2013	2649823	22 juin 2016	2649823	05 déc 2031	Improvements to UICCs embedded in terminals or removable there from
GMT1068-FR-EPT[9]	France	THALES DIS FRANCE SA	05 déc 2011	11810809.1	16 oct 2013	2649594	22 nov 2017	2649594	05 déc 2031	Improvements to UICCs embedded in terminals or removable there from

GMT1068-GB-EPT[2]	United Kingdom	THALES DIS FRANCE SA	02 déc 2011	11802008.0	16 oct 2013	2649830	17 juin 2015	2649830	02 déc 2031	Improvements to UICCs embedded in terminals or removable there from
GMT1068-GB-EPT[3]	United Kingdom	THALES DIS FRANCE SA	05 déc 2011	11794103.9	16 oct 2013	2649827	29 avr 2015	2649827	05 déc 2031	Improvements to UICCs embedded in terminals or removable there from
GMT1068-GB-EPT[4]	United Kingdom	THALES DIS FRANCE SA	05 déc 2011	11793753.2	16 oct 2013	2649826	23 mars 2016	2649826	05 déc 2031	Improvements to UICCs embedded in terminals or removable there from
GMT1068-GB-EPT[5]	United Kingdom	THALES DIS FRANCE SA	02 déc 2011	11794685.5	16 oct 2013	2649828	28 févr 2018	2649828	02 déc 2031	Improvements to UICCs embedded in terminals or removable there from
GMT1068-GB-EPT[6]	United Kingdom	THALES DIS FRANCE SA	02 déc 2011	11794687.1	16 oct 2013	2649829	16 sept 2015	2649829	02 déc 2031	Improvements to UICCs embedded in terminals or removable there from
GMT1068-GB-EPT[7]	United Kingdom	THALES DIS FRANCE SA	05 déc 2011	11804972.5	16 oct 2013	2649831	17 juin 2015	2649831	05 déc 2031	Improvements to UICCs embedded in terminals or removable there from
GMT1068-GB-EPT[8]	United Kingdom	THALES DIS FRANCE SA	05 déc 2011	11810810.9	16 oct 2013	2649823	22 juin 2016	2649823	05 déc 2031	Improvements to UICCs embedded in terminals or removable there from
GMT1068-GB-EPT[9]	United Kingdom	THALES DIS FRANCE SA	05 déc 2011	11810809.1	16 oct 2013	2649594	22 nov 2017	2649594	05 déc 2031	Improvements to UICCs embedded in terminals or removable there from
GMT1068-IN-PCT[10]	India	THALES DIS FRANCE SA	02 déc 2011	1773KOLNP2013					02 déc 2031	Improvements to UICCs embedded in terminals or removable there from
GMT1068-IN-PCT[2]	India	THALES DIS FRANCE SA	02 déc 2011	1757KOLNP2013			17 déc 2020	353948	02 déc 2031	Improvements to UICCs embedded in terminals or removable there from
GMT1068-IN-PCT[4]	India	THALES DIS FRANCE SA	05 déc 2011	1774KOLNP2013					05 déc 2031	Improvements to UICCs embedded in terminals or removable there from
GMT1068-IN-PCT[5]	India	THALES DIS FRANCE SA	02 déc 2011	1798KOLNP2013					02 déc 2031	Improvements to UICCs embedded in terminals or removable there from
GMT1068-IN-PCT[6]	India	THALES DIS FRANCE SA	02 déc 2011	1783KOLNP2013					02 déc 2031	Improvements to UICCs embedded in terminals or removable there from
GMT1068-IN-PCT[7]	India	THALES DIS FRANCE SA	05 déc 2011	1797KOLNP2013			29 août 2020	345588	05 déc 2031	Improvements to UICCs embedded in terminals or removable there from
GMT1068-IT-EPT[2]	Italy	THALES DIS FRANCE SA	02 déc 2011	11802008.0	16 oct 2013	2649830	17 juin 2015	2649830	02 déc 2031	Improvements to UICCs embedded in terminals or removable there from
GMT1068-IT-EPT[3]	Italy	THALES DIS FRANCE SA	05 déc 2011	11794103.9	16 oct 2013	2649827	29 avr 2015	2649827	05 déc 2031	Improvements to UICCs embedded in terminals or removable there from
GMT1068-IT-EPT[4]	Italy	THALES DIS FRANCE SA	05 déc 2011	11793753.2	16 oct 2013	2649826	23 mars 2016	2649826	05 déc 2031	Improvements to UICCs embedded in terminals or removable there from
GMT1068-IT-EPT[6]	Italy	THALES DIS FRANCE SA	02 déc 2011	11794687.1	16 oct 2013	2649829	16 sept 2015	2649829	02 déc 2031	Improvements to UICCs embedded in terminals or removable there from
GMT1068-IT-EPT[7]	Italy	THALES DIS FRANCE SA	05 déc 2011	11804972.5	16 oct 2013	2649831	17 juin 2015	2649831	05 déc 2031	Improvements to UICCs embedded in terminals or removable there from
GMT1068-IT-EPT[8]	Italy	THALES DIS FRANCE SA	05 déc 2011	11810810.9	16 oct 2013	2649823	22 juin 2016	2649823	05 déc 2031	Improvements to UICCs embedded in terminals or removable there from
GMT1068-IT-EPT[9]	Italy	THALES DIS FRANCE SA	05 déc 2011	11810809.1	16 oct 2013	2649594	22 nov 2017	502018000006070	05 déc 2031	Improvements to UICCs embedded in terminals or removable there from
GMT1068-JP-PCT[10]	Japan	THALES DIS FRANCE SA	02 déc 2011	2013542478	26 sept 2014	2014500679	14 août 2015	5792826	02 déc 2031	Improvements to UICCs embedded in terminals or removable there from
GMT1068-JP-PCT[2]	Japan	THALES DIS FRANCE SA	02 déc 2011	2013542474	27 mars 2014	2014507823	01 mai 2015	5740008	02 déc 2031	Improvements to UICCs embedded in terminals or removable there from
GMT1068-JP-PCT[3]	Japan	THALES DIS FRANCE SA	05 déc 2011	2013542496	09 janv 2014	2014500555	12 sept 2014	5613338	05 déc 2031	Improvements to UICCs embedded in terminals or removable there from
GMT1068-JP-PCT[6]	Japan	THALES DIS FRANCE SA	02 déc 2011	2013542477	09 janv 2014	2014500678	12 févr 2016	5883023	02 déc 2031	Improvements to UICCs embedded in terminals or removable there from
GMT1068-JP-PCT[7]	Japan	THALES DIS FRANCE SA	05 déc 2011	2013542492	06 mars 2014	2014506033	24 juil 2015	5781167	05 déc 2031	Improvements to UICCs embedded in terminals or removable there from

GMT1068-JP-PCT[8]	Japan	THALES DIS FRANCE SA	05 déc 2011	2013542491	19 déc 2013	2013545418	26 sept 2014	5619297	05 déc 2031	Improvements to UICCs embedded in terminals or removable there from
GMT1068-JP-PCT[9]	Japan	THALES DIS FRANCE SA	05 déc 2011	2013542483	09 janv 2014	2014500680	20 nov 2015	5840224	05 déc 2031	Improvements to UICCs embedded in terminals or removable there from
GMT1068-KR-PCT[10]	South Korea / Republic of Korea	THALES DIS FRANCE SA	02 déc 2011	20137016004	03 sept 2013	20130097798	08 janv 2016	1585752	02 déc 2031	Improvements to UICCs embedded in terminals or removable there from
GMT1068-KR-PCT[2]	South Korea / Republic of Korea	THALES DIS FRANCE SA	02 déc 2011	20137017533	16 oct 2013	20130114191	06 avr 2015	101511460	02 déc 2031	Improvements to UICCs embedded in terminals or removable there from
GMT1068-KR-PCT[3]	South Korea / Republic of Korea	THALES DIS FRANCE SA	05 déc 2011	20137017753	22 août 2013	20130093676	16 mars 2015	101504855	05 déc 2031	Improvements to UICCs embedded in terminals or removable there from
GMT1068-KR-PCT[4]	South Korea / Republic of Korea	THALES DIS FRANCE SA	05 déc 2011	20137017754	28 août 2013	20130095828	12 févr 2015	101494986	05 déc 2031	Improvements to UICCs embedded in terminals or removable there from
GMT1068-KR-PCT[5]	South Korea / Republic of Korea	THALES DIS FRANCE SA	02 déc 2011	20137017637	30 sept 2013	20130106866	11 mars 2015	101503625	02 déc 2031	Improvements to UICCs embedded in terminals or removable there from
GMT1068-KR-PCT[6]	South Korea / Republic of Korea	THALES DIS FRANCE SA	02 déc 2011	20137017638	16 oct 2013	20130114192	31 mai 2016	1627690	02 déc 2031	Improvements to UICCs embedded in terminals or removable there from
GMT1068-KR-PCT[8]	South Korea / Republic of Korea	THALES DIS FRANCE SA	05 déc 2011	20137017691	01 oct 2013	20130107339	06 janv 2015	101481926	05 déc 2031	Improvements to UICCs embedded in terminals or removable there from
GMT1068-KR-PCT[9]	South Korea / Republic of Korea	THALES DIS FRANCE SA	05 déc 2011	20137016486	03 sept 2013	20130097799	18 mars 2015	101505763	05 déc 2031	Improvements to UICCs embedded in terminals or removable there from
GMT1068-MX-PCT[10]	Mexico	THALES DIS FRANCE SA	02 déc 2011	MX2013006317	01 oct 2013	MX2013006317	28 juil 2014	322315	02 déc 2031	Improvements to UICCs embedded in terminals or removable there from
GMT1068-MX-PCT[2]	Mexico	THALES DIS FRANCE SA	02 déc 2011	MX2013006273	12 déc 2013	MX2013006273	26 août 2014	323056	02 déc 2031	Improvements to UICCs embedded in terminals or removable there from
GMT1068-MX-PCT[4]	Mexico	THALES DIS FRANCE SA	05 déc 2011	MX2013006274	06 déc 2013	MX2013006274	26 août 2014	323057	05 déc 2031	Improvements to UICCs embedded in terminals or removable there from
GMT1068-MX-PCT[5]	Mexico	THALES DIS FRANCE SA	02 déc 2011	MX2013006316	01 oct 2013	MX2013006316	31 mars 2015	329011	02 déc 2031	Improvements to UICCs embedded in terminals or removable there from
GMT1068-MX-PCT[6]	Mexico	THALES DIS FRANCE SA	02 déc 2011	MX2013006275	06 déc 2013	MX2013006275	26 août 2014	323058	02 déc 2031	Improvements to UICCs embedded in terminals or removable there from
GMT1068-MX-PCT[7]	Mexico	THALES DIS FRANCE SA	05 déc 2011	MX2013006276	12 déc 2013	MX2013006276	26 août 2014	323059	05 déc 2031	Improvements to UICCs embedded in terminals or removable there from
GMT1068-PL-EPT[2]	Poland	THALES DIS FRANCE SA	02 déc 2011	11802008.0	16 oct 2013	2649830	17 juin 2015	2649830	02 déc 2031	Improvements to UICCs embedded in terminals or removable there from
GMT1068-PL-EPT[7]	Poland	THALES DIS FRANCE SA	05 déc 2011	11804972.5	16 oct 2013	2649831	17 juin 2015	2649831	05 déc 2031	Improvements to UICCs embedded in terminals or removable there from
GMT1068-RU-PCT[6]	Russian Federation	THALES DIS FRANCE SA	02 déc 2011	2013131003	20 janv 2015	2013131003	27 avr 2016	2582550	02 déc 2031	Improvements to UICCs embedded in terminals or removable there from
GMT1068-RU-PCT[7]	Russian Federation	THALES DIS FRANCE SA	05 déc 2011	2013131034	20 janv 2015	2013131034	10 sept 2015	2562433	05 déc 2031	Improvements to UICCs embedded in terminals or removable there from
GMT1068-TR-EPT[2]	Turkey	THALES DIS FRANCE SA	02 déc 2011	11802008.0	16 oct 2013	2649830	17 juin 2015	2649830	02 déc 2031	Improvements to UICCs embedded in terminals or removable there from
GMT1068-TR-EPT[6]	Turkey	THALES DIS FRANCE SA	02 déc 2011	11794687.1	16 oct 2013	2649829	16 sept 2015	2649829	02 déc 2031	Improvements to UICCs embedded in terminals or removable there from

GMT1068-TR-EPT[7]	Turkey	THALES DIS FRANCE SA	05 déc 2011	11804972.5	16 oct 2013	2649831	17 juin 2015	2649831	05 déc 2031	Improvements to UICCs embedded in terminals or removable there from
GMT1068-US-DIV	United States Of America	THALES DIS FRANCE SA	06 déc 2011	14603889	14 mai 2015	20150134958	04 oct 2016	9462475	06 déc 2031	Improvements to UICCs embedded in terminals or removable there from
GMT1068-US-DIV[2]	United States Of America	THALES DIS FRANCE SA	06 déc 2011	15260899	29 déc 2016	20160379006	14 nov 2017	9817993	06 déc 2031	Improvements to UICCs embedded in terminals or removable there from
GMT1068-US-NP	United States Of America	THALES DIS FRANCE SA	06 déc 2011	13312309	26 juil 2012	20120190354	29 mars 2016	9301145	24 déc 2031	Improvements to UICCs embedded in terminals or removable there from
GMT1068-US-PCT[10]	United States Of America	THALES DIS FRANCE SA	02 déc 2011	13991846	12 déc 2013	20130329683	12 sept 2017	9760726	02 déc 2031	Improvements to UICCs embedded in terminals or removable there from
GMT1068-US-PCT[12]	United States Of America	THALES DIS FRANCE SA	06 déc 2011	13991912	05 déc 2013	20130324091	27 déc 2016	9532223	27 nov 2032	Improvements to UICCs embedded in terminals or removable there from
GMT1068-US-PCT[3]	United States Of America	THALES DIS FRANCE SA	05 déc 2011	13991689	01 mai 2014	20140122872	22 mars 2016	9294919	02 avr 2032	Improvements to UICCs embedded in terminals or removable there from
GMT1068-US-PCT[4]	United States Of America	THALES DIS FRANCE SA	05 déc 2011	13991823	28 nov 2013	20130318355	26 mars 2019	10242210	05 déc 2031	Improvements to UICCs embedded in terminals or removable there from
GMT1068-US-PCT[6]	United States Of America	THALES DIS FRANCE SA	02 déc 2011	13991744	23 janv 2014	20140024343	26 avr 2016	9326146	02 déc 2031	Improvements to UICCs embedded in terminals or removable there from
GMT1068-US-PCT[7]	United States Of America	THALES DIS FRANCE SA	05 déc 2011	13991766	06 mars 2014	20140066011	02 août 2016	9408066	25 mars 2032	Improvements to UICCs embedded in terminals or removable there from
GMT1068-US-PCT[8]	United States Of America	THALES DIS FRANCE SA	05 déc 2011	13991752	30 janv 2014	20140031083	19 mai 2015	9037193	13 avr 2032	Improvements to UICCs embedded in terminals or removable there from
GMT1068-US-PCT[9]	United States Of America	THALES DIS FRANCE SA	05 déc 2011	13992103	05 févr 2015	20150038193	27 juin 2017	9690950	05 déc 2031	Improvements to UICCs embedded in terminals or removable there from
GMT1069-DE-EPT	Germany	THALES DIS FRANCE SA	26 mars 2012	12713009.4	29 janv 2014	2689372	27 nov 2019	2689372	26 mars 2032	USER-TO-USER DELEGATION SERVICE IN A FEDERATED IDENTITY MANAGEMENT ENVIRONMENT
GMT1069-DK-EPT	Denmark	THALES DIS FRANCE SA	26 mars 2012	12713009.4	29 janv 2014	2689372	27 nov 2019	2689372	26 mars 2032	USER-TO-USER DELEGATION SERVICE IN A FEDERATED IDENTITY MANAGEMENT ENVIRONMENT
GMT1069-ES-EPT	Spain	THALES DIS FRANCE SA	26 mars 2012	12713009.4	29 janv 2014	2689372	27 nov 2019	2689372	26 mars 2032	USER-TO-USER DELEGATION SERVICE IN A FEDERATED IDENTITY MANAGEMENT ENVIRONMENT
GMT1069-FR-EPT	France	THALES DIS FRANCE SA	26 mars 2012	12713009.4	29 janv 2014	2689372	27 nov 2019	2689372	26 mars 2032	USER-TO-USER DELEGATION SERVICE IN A FEDERATED IDENTITY MANAGEMENT ENVIRONMENT
GMT1069-GB-EPT	United Kingdom	THALES DIS FRANCE SA	26 mars 2012	12713009.4	29 janv 2014	2689372	27 nov 2019	2689372	26 mars 2032	USER-TO-USER DELEGATION SERVICE IN A FEDERATED IDENTITY MANAGEMENT ENVIRONMENT
GMT1069-IT-EPT	Italy	THALES DIS FRANCE SA	26 mars 2012	12713009.4	29 janv 2014	2689372	27 nov 2019	502020000017407	26 mars 2032	USER-TO-USER DELEGATION SERVICE IN A FEDERATED IDENTITY MANAGEMENT ENVIRONMENT
GMT1069-US-PCT	United States Of America	THALES DIS FRANCE SA	26 mars 2012	14007328	16 janv 2014	20140020051	26 juil 2016	9401918	26 mai 2032	USER-TO-USER DELEGATION SERVICE IN A FEDERATED IDENTITY MANAGEMENT ENVIRONMENT
GMT1121-DE-EPT	Germany	THALES DIS FRANCE SA	15 déc 2011	11796709.1	06 nov 2013	2659413	16 mars 2016	602011024125.7	15 déc 2031	SYSTEM PROVIDING AN IMPROVED SKIMMING RESISTANCE FOR AN ELECTRONIC IDENTITY DOCUMENT
GMT1121-FR-EPT	France	THALES DIS FRANCE SA	15 déc 2011	11796709.1	06 nov 2013	2659413	16 mars 2016	2659413	15 déc 2031	SYSTEM PROVIDING AN IMPROVED SKIMMING RESISTANCE FOR AN ELECTRONIC IDENTITY DOCUMENT
GMT1121-GB-EPT	United Kingdom	THALES DIS FRANCE SA	15 déc 2011	11796709.1	06 nov 2013	2659413	16 mars 2016	2659413	15 déc 2031	SYSTEM PROVIDING AN IMPROVED SKIMMING RESISTANCE FOR AN ELECTRONIC IDENTITY DOCUMENT

GMT1121-US-PCT	United States Of America	THALES DIS FRANCE SA	15 déc 2011	13977726	21 nov 2013	20130311788	19 juil 2016	9396506	22 févr 2032	SYSTEM PROVIDING AN IMPROVED SKIMMING RESISTANCE FOR AN ELECTRONIC IDENTITY DOCUMENT
GMT1129-DE-EPT	Germany	THALES DIS FRANCE SA	21 mars 2013	13711052.4	28 janv 2015	2828801	19 oct 2016	602013012940.1	21 mars 2033	SMART CARD AND METHOD OF PRODUCTION
GMT1129-ES-EPT	Spain	THALES DIS FRANCE SA	21 mars 2013	13711052.4	28 janv 2015	2828801	19 oct 2016	2828801	21 mars 2033	SMART CARD AND METHOD OF PRODUCTION
GMT1129-FI-EPT	Finland	THALES DIS FRANCE SA	21 mars 2013	13711052.4	28 janv 2015	2828801	19 oct 2016	2828801	21 mars 2033	SMART CARD AND METHOD OF PRODUCTION
GMT1129-FR-EPT	France	THALES DIS FRANCE SA	21 mars 2013	13711052.4	28 janv 2015	2828801	19 oct 2016	2828801	21 mars 2033	SMART CARD AND METHOD OF PRODUCTION
GMT1129-IT-EPT	Italy	THALES DIS FRANCE SA	21 mars 2013	13711052.4	28 janv 2015	2828801	19 oct 2016	502017000005229	21 mars 2033	SMART CARD AND METHOD OF PRODUCTION
GMT1129-PL-EPT	Poland	THALES DIS FRANCE SA	21 mars 2013	13711052.4	28 janv 2015	2828801	19 oct 2016	2828801	21 mars 2033	SMART CARD AND METHOD OF PRODUCTION
GMT1129-SG-PCT	Singapore	THALES DIS FRANCE SA	21 mars 2013	11201405293V			06 janv 2017	11201405293V	21 mars 2033	SMART CARD AND METHOD OF PRODUCTION
GMT1129-US-PCT	United States Of America	THALES DIS FRANCE SA	21 mars 2013	14387222	14 mai 2015	20130129661	31 mai 2016	9355348	21 mars 2033	SMART CARD AND METHOD OF PRODUCTION
GMT1152-BR-PCT	Brazil	THALES DIS FRANCE SA	23 mars 2012	BR1120130252790	07 janv 2014	BR1120130252790			23 mars 2032	METHOD FOR UPDATING SECURE ELEMENTS COMPRISED IN TERMINALS OF A TELECOMMUNICATION NETWORK AND CORRESPONDING UPDATING SERVER
GMT1152-DE-EPT	Germany	THALES DIS FRANCE SA	23 mars 2012	12710272.1	05 févr 2014	2692113	30 sept 2015	2692113	23 mars 2032	METHOD FOR UPDATING SECURE ELEMENTS COMPRISED IN TERMINALS OF A TELECOMMUNICATION NETWORK AND CORRESPONDING UPDATING SERVER
GMT1152-FR-EPT	France	THALES DIS FRANCE SA	23 mars 2012	12710272.1	05 févr 2014	2692113	30 sept 2015	2692113	23 mars 2032	METHOD FOR UPDATING SECURE ELEMENTS COMPRISED IN TERMINALS OF A TELECOMMUNICATION NETWORK AND CORRESPONDING UPDATING SERVER
GMT1152-GB-EPT	United Kingdom	THALES DIS FRANCE SA	23 mars 2012	12710272.1	05 févr 2014	2692113	30 sept 2015	2692113	23 mars 2032	METHOD FOR UPDATING SECURE ELEMENTS COMPRISED IN TERMINALS OF A TELECOMMUNICATION NETWORK AND CORRESPONDING UPDATING SERVER
GMT1152-JP-PCT	Japan	THALES DIS FRANCE SA	23 mars 2012	2014501551	26 juin 2014	2014515211	12 sept 2014	5613350	23 mars 2032	METHOD FOR UPDATING SECURE ELEMENTS COMPRISED IN TERMINALS OF A TELECOMMUNICATION NETWORK AND CORRESPONDING UPDATING SERVER
GMT1152-US-PCT	United States Of America	THALES DIS FRANCE SA	23 mars 2012	14007745	20 mars 2014	20140080444	03 nov 2015	9179293	10 juin 2032	METHOD FOR UPDATING SECURE ELEMENTS COMPRISED IN TERMINALS OF A TELECOMMUNICATION NETWORK AND CORRESPONDING UPDATING SERVER
GMT1203-CN-PCT	China	THALES DIS FRANCE SA	05 juin 2013	201380032823.6	18 févr 2015	104364665	24 mai 2017	21201380032823.6	05 juin 2033	METHOD FOR PRODUCING AN ELECTRONIC DEVICE WITH DISABLED SENSITIVE MODE, AND METHOD FOR TRANSFORMING SUCH AN ELECTRONIC DEVICE TO RE-ACTIVATE ITS SENSITIVE MODE
GMT1203-DE-EPT	Germany	THALES DIS FRANCE SA	05 juin 2013	13736500.3	29 avr 2015	2864801	06 avr 2016	602013006350.8	05 juin 2033	METHOD FOR PRODUCING AN ELECTRONIC DEVICE WITH DISABLED SENSITIVE MODE, AND METHOD FOR TRANSFORMING SUCH AN ELECTRONIC DEVICE TO RE-ACTIVATE ITS SENSITIVE MODE
GMT1203-FR-EPT	France	THALES DIS FRANCE SA	05 juin 2013	13736500.3	29 avr 2015	2864801	06 avr 2016	2864801	05 juin 2033	METHOD FOR PRODUCING AN ELECTRONIC DEVICE WITH DISABLED SENSITIVE MODE, AND METHOD FOR TRANSFORMING SUCH AN ELECTRONIC DEVICE TO RE-ACTIVATE ITS SENSITIVE MODE

GMT1203-GB-EPT	United Kingdom	THALES DIS FRANCE SA	05 juin 2013	13736500.3	29 avr 2015	2864801	06 avr 2016	2864801	05 juin 2033	METHOD FOR PRODUCING AN ELECTRONIC DEVICE WITH DISABLED SENSITIVE MODE, AND METHOD FOR TRANSFORMING SUCH AN ELECTRONIC DEVICE TO RE-ACTIVATE ITS SENSITIVE MODE
GMT1203-JP-PCT	Japan	THALES DIS FRANCE SA	05 juin 2013	2015509466	18 juin 2015	2015517287	02 déc 2016	6050479	05 juin 2033	METHOD FOR PRODUCING AN ELECTRONIC DEVICE WITH DISABLED SENSITIVE MODE, AND METHOD FOR TRANSFORMING SUCH AN ELECTRONIC DEVICE TO RE-ACTIVATE ITS SENSITIVE MODE
GMT1203-KR-PCT	South Korea / Republic of Korea	THALES DIS FRANCE SA	05 juin 2013	20147035851	26 févr 2015	20150020589	29 juin 2016	101636640	05 juin 2033	METHOD FOR PRODUCING AN ELECTRONIC DEVICE WITH DISABLED SENSITIVE MODE, AND METHOD FOR TRANSFORMING SUCH AN ELECTRONIC DEVICE TO RE-ACTIVATE ITS SENSITIVE MODE
GMT1203-SG-PCT	Singapore	THALES DIS FRANCE SA	05 juin 2013	11201407057Q			30 juin 2016	11201407057Q	05 juin 2033	METHOD FOR PRODUCING AN ELECTRONIC DEVICE WITH DISABLED SENSITIVE MODE, AND METHOD FOR TRANSFORMING SUCH AN ELECTRONIC DEVICE TO RE-ACTIVATE ITS SENSITIVE MODE
GMT1203-US-PCT	United States Of America	THALES DIS FRANCE SA	05 juin 2013	14395839	26 mars 2015	20150086008	26 mars 2019	10242233	17 juin 2034	METHOD FOR PRODUCING AN ELECTRONIC DEVICE WITH DISABLED SENSITIVE MODE, AND METHOD FOR TRANSFORMING SUCH AN ELECTRONIC DEVICE TO RE-ACTIVATE ITS SENSITIVE MODE
GMT1207-CN-PCT	China	THALES DIS FRANCE SA	05 sept 2013	201380042659.7	22 avr 2015	104540601	05 juin 2018	ZL201380042659.7	05 sept 2033	CARD WITH MARBLE VISUAL EFFECT AND ASSOCIATED MANUFACTURING PROCESS
GMT1207-DE-EPT	Germany	THALES DIS FRANCE SA	05 sept 2013	13758867.9	15 juil 2015	2892659	24 avr 2019	602013054335.6	05 sept 2033	CARD WITH MARBLE VISUAL EFFECT AND ASSOCIATED MANUFACTURING PROCESS
GMT1207-FR-EPT	France	THALES DIS FRANCE SA	05 sept 2013	13758867.9	15 juil 2015	2892659	24 avr 2019	2892659	05 sept 2033	CARD WITH MARBLE VISUAL EFFECT AND ASSOCIATED MANUFACTURING PROCESS
GMT1207-GB-EPT	United Kingdom	THALES DIS FRANCE SA	05 sept 2013	13758867.9	15 juil 2015	2892659	24 avr 2019	2892659	05 sept 2033	CARD WITH MARBLE VISUAL EFFECT AND ASSOCIATED MANUFACTURING PROCESS
GMT1226-US-PCT	United States Of America	THALES DIS FRANCE SA	26 déc 2012	14369373	06 août 2015	20150223061	26 juil 2016	9402180	26 déc 2032	METHOD FOR TRIGGERING AN OTA SESSION
GMT1231-CN-PCT	China	THALES DIS FRANCE SA	15 mai 2012	201280023872.9	19 mars 2014	103649970	01 juin 2018	ZL201280023872.9	15 mai 2032	RADIO FREQUENCY TRANSPONDER DEVICE WITH OPTIMIZED PASSIVE RESONANT CIRCUIT
GMT1231-DE-EPT	Germany	THALES DIS FRANCE SA	15 mai 2012	12720528.4	26 mars 2014	2710523	17 août 2016	2710523	15 mai 2032	RADIO FREQUENCY TRANSPONDER DEVICE WITH OPTIMIZED PASSIVE RESONANT CIRCUIT
GMT1231-ES-EPT	Spain	THALES DIS FRANCE SA	15 mai 2012	12720528.4	26 mars 2014	2710523	17 août 2016	2710523	15 mai 2032	RADIO FREQUENCY TRANSPONDER DEVICE WITH OPTIMIZED PASSIVE RESONANT CIRCUIT
GMT1231-FI-EPT	Finland	THALES DIS FRANCE SA	15 mai 2012	12720528.4	26 mars 2014	2710523	17 août 2016	2710523	15 mai 2032	RADIO FREQUENCY TRANSPONDER DEVICE WITH OPTIMIZED PASSIVE RESONANT CIRCUIT
GMT1231-FR-EPT	France	THALES DIS FRANCE SA	15 mai 2012	12720528.4	26 mars 2014	2710523	17 août 2016	2710523	15 mai 2032	RADIO FREQUENCY TRANSPONDER DEVICE WITH OPTIMIZED PASSIVE RESONANT CIRCUIT
GMT1231-GB-EPT	United Kingdom	THALES DIS FRANCE SA	15 mai 2012	12720528.4	26 mars 2014	2710523	17 août 2016	2710523	15 mai 2032	RADIO FREQUENCY TRANSPONDER DEVICE WITH OPTIMIZED PASSIVE RESONANT CIRCUIT
GMT1231-IT-EPT	Italy	THALES DIS FRANCE SA	15 mai 2012	12720528.4	26 mars 2014	2710523	17 août 2016	2710523	15 mai 2032	RADIO FREQUENCY TRANSPONDER DEVICE WITH OPTIMIZED PASSIVE RESONANT CIRCUIT
GMT1231-PL-EPT	Poland	THALES DIS FRANCE SA	15 mai 2012	12720528.4	26 mars 2014	2710523	17 août 2016	2710523	15 mai 2032	RADIO FREQUENCY TRANSPONDER DEVICE WITH OPTIMIZED PASSIVE RESONANT CIRCUIT
GMT1231-PT-EPT	Portugal	THALES DIS FRANCE SA	15 mai 2012	12720528.4	26 mars 2014	2710523	17 août 2016	2710523	15 mai 2032	RADIO FREQUENCY TRANSPONDER DEVICE WITH OPTIMIZED PASSIVE RESONANT CIRCUIT
GMT1231-TR-EPT	Turkey	THALES DIS FRANCE SA	15 mai 2012	12720528.4	26 mars 2014	2710523	17 août 2016	2710523	15 mai 2032	RADIO FREQUENCY TRANSPONDER DEVICE WITH OPTIMIZED PASSIVE RESONANT CIRCUIT
GMT1231-US-PCT	United States Of America	THALES DIS FRANCE SA	15 mai 2012	14118120	15 mai 2014	20140131453	11 août 2015	9104954	16 mai 2032	RADIO FREQUENCY TRANSPONDER DEVICE WITH OPTIMIZED PASSIVE RESONANT CIRCUIT

GMT1279-BR-PCT	Brazil	THALES DIS FRANCE SA	12 nov 2013	BR112015007982-2					12 nov 2033	CONTROL METHOD AND DEVICE FOR CONTROLLING AUTHENTICITY OF CODES RESULTING FROM APPLICATION OF A BIJECTIVE ALGORITHM TO MESSAGES
GMT1279-DE-EPT	Germany	THALES DIS FRANCE SA	12 nov 2013	13789341.8	16 sept 2015	2918036	02 janv 2019	602013049267.0	12 nov 2033	CONTROL METHOD AND DEVICE FOR CONTROLLING AUTHENTICITY OF CODES RESULTING FROM APPLICATION OF A BIJECTIVE ALGORITHM TO MESSAGES
GMT1279-FR-EPT	France	THALES DIS FRANCE SA	12 nov 2013	13789341.8	16 sept 2015	2918036	02 janv 2019	2918036	12 nov 2033	CONTROL METHOD AND DEVICE FOR CONTROLLING AUTHENTICITY OF CODES RESULTING FROM APPLICATION OF A BIJECTIVE ALGORITHM TO MESSAGES
GMT1279-GB-EPT	United Kingdom	THALES DIS FRANCE SA	12 nov 2013	13789341.8	16 sept 2015	2918036	02 janv 2019	2918036	12 nov 2033	CONTROL METHOD AND DEVICE FOR CONTROLLING AUTHENTICITY OF CODES RESULTING FROM APPLICATION OF A BIJECTIVE ALGORITHM TO MESSAGES
GMT1279-ID-PCT	Indonesia	THALES DIS FRANCE SA	12 nov 2013	P00201502812	24 mars 2017	201702989	14 août 2018	IDP000052665	12 nov 2033	CONTROL METHOD AND DEVICE FOR CONTROLLING AUTHENTICITY OF CODES RESULTING FROM APPLICATION OF A BIJECTIVE ALGORITHM TO MESSAGES
GMT1279-IN-PCT	India	THALES DIS FRANCE SA	12 nov 2013	1584/KOLNP/2015					12 nov 2033	CONTROL METHOD AND DEVICE FOR CONTROLLING AUTHENTICITY OF CODES RESULTING FROM APPLICATION OF A BIJECTIVE ALGORITHM TO MESSAGES
GMT1279-JP-PCT	Japan	THALES DIS FRANCE SA	12 nov 2013	2015541184	26 nov 2015	2015534415	22 juin 2018	6356687	12 nov 2033	CONTROL METHOD AND DEVICE FOR CONTROLLING AUTHENTICITY OF CODES RESULTING FROM APPLICATION OF A BIJECTIVE ALGORITHM TO MESSAGES
GMT1279-MX-PCT	Mexico	THALES DIS FRANCE SA	12 nov 2013	MXa2015005690	31 août 2015	MXa2015005690	30 nov 2016	343942	12 nov 2033	CONTROL METHOD AND DEVICE FOR CONTROLLING AUTHENTICITY OF CODES RESULTING FROM APPLICATION OF A BIJECTIVE ALGORITHM TO MESSAGES
GMT1279-US-PCT	United States Of America	THALES DIS FRANCE SA	12 nov 2013	14442361	22 sept 2016	20160277361	31 oct 2017	9807063	24 nov 2033	CONTROL METHOD AND DEVICE FOR CONTROLLING AUTHENTICITY OF CODES RESULTING FROM APPLICATION OF A BIJECTIVE ALGORITHM TO MESSAGES
GMT1306-BR-PCT	Brazil	THALES DIS FRANCE SA	29 oct 2012	BR1120140102740					29 oct 2032	PRECUT SMARTCARD
GMT1306-CN-PCT	China	THALES DIS FRANCE SA	29 oct 2012	201280065505.5	03 sept 2014	104025128	12 oct 2016	2012800655	29 oct 2032	PRECUT SMARTCARD
GMT1306-DE-EPT	Germany	THALES DIS FRANCE SA	29 oct 2012	12778122.7	10 sept 2014	2774086	04 avr 2018	602012044795.8	29 oct 2032	PRECUT SMARTCARD
GMT1306-FR-EPT	France	THALES DIS FRANCE SA	29 oct 2012	12778122.7	10 sept 2014	2774086	04 avr 2018	2774086	29 oct 2032	PRECUT SMARTCARD
GMT1306-GB-EPT	United Kingdom	THALES DIS FRANCE SA	29 oct 2012	12778122.7	10 sept 2014	2774086	04 avr 2018	2774086	29 oct 2032	PRECUT SMARTCARD
GMT1306-JP-PCT	Japan	THALES DIS FRANCE SA	29 oct 2012	2014537651	18 déc 2014	2014532912	17 févr 2017	6092231	29 oct 2032	PRECUT SMARTCARD
GMT1306-US-PCT	United States Of America	THALES DIS FRANCE SA	29 oct 2012	14355380	16 oct 2014	20140308990	28 juin 2016	9379755	25 nov 2032	PRECUT SMARTCARD
GMT1321-EP-EPT	European Procedure (Patents)	THALES DIS FRANCE SA	22 juin 2012	12735234.2	07 mai 2014	2727052			22 juin 2032	PORTABLE DEVICE WITH HOLLOWED OUT ELECTRICAL CONTACTS

GMT1321-JP-PCT	Japan	THALES DIS FRANCE SA	22 juin 2012	2014517617	02 oct 2014	2014526080	27 mars 2015	5719971	22 juin 2032	PORTABLE DEVICE WITH HOLLOWED OUT ELECTRICAL CONTACTS
GMT1321-KR-PCT	South Korea / Republic of Korea	THALES DIS FRANCE SA	22 juin 2012	20147002575	09 avr 2014	2014043461	09 nov 2015	101569301	22 juin 2032	PORTABLE DEVICE WITH HOLLOWED OUT ELECTRICAL CONTACTS
GMT1321-US-PCT	United States Of America	THALES DIS FRANCE SA	22 juin 2012	14130260	05 juin 2014	20140152511	19 avr 2016	9318790	07 nov 2032	PORTABLE DEVICE WITH HOLLOWED OUT ELECTRICAL CONTACTS
GMT1325-AT-EPT	Austria	THALES DIS FRANCE SA	15 juin 2012	12729521.0	23 avr 2014	2721550	09 déc 2015	2721550	15 juin 2032	CONTACTLESS COMMUNICATION METHOD WITH NEGATIVE MODULATION
GMT1325-CN-PCT	China	THALES DIS FRANCE SA	15 juin 2012	201280039822.X	23 avr 2014	103748956	07 sept 2016	ZL201280039822.X	15 juin 2032	CONTACTLESS COMMUNICATION METHOD WITH NEGATIVE MODULATION
GMT1325-DE-EPT	Germany	THALES DIS FRANCE SA	15 juin 2012	12729521.0	23 avr 2014	2721550	09 déc 2015	2721550	15 juin 2032	CONTACTLESS COMMUNICATION METHOD WITH NEGATIVE MODULATION
GMT1325-ES-EPT	Spain	THALES DIS FRANCE SA	15 juin 2012	12729521.0	23 avr 2014	2721550	09 déc 2015	2721550	15 juin 2032	CONTACTLESS COMMUNICATION METHOD WITH NEGATIVE MODULATION
GMT1325-FR-EPT	France	THALES DIS FRANCE SA	15 juin 2012	12729521.0	23 avr 2014	2721550	09 déc 2015	2721550	15 juin 2032	CONTACTLESS COMMUNICATION METHOD WITH NEGATIVE MODULATION
GMT1325-GB-EPT	United Kingdom	THALES DIS FRANCE SA	15 juin 2012	12729521.0	23 avr 2014	2721550	09 déc 2015	2721550	15 juin 2032	CONTACTLESS COMMUNICATION METHOD WITH NEGATIVE MODULATION
GMT1325-IT-EPT	Italy	THALES DIS FRANCE SA	15 juin 2012	12729521.0	23 avr 2014	2721550	09 déc 2015	2721550	15 juin 2032	CONTACTLESS COMMUNICATION METHOD WITH NEGATIVE MODULATION
GMT1325-JP-PCT	Japan	THALES DIS FRANCE SA	15 juin 2012	2014515219	18 sept 2014	2014524171	22 mai 2015	5749398	15 juin 2032	CONTACTLESS COMMUNICATION METHOD WITH NEGATIVE MODULATION
GMT1325-KR-PCT	South Korea / Republic of Korea	THALES DIS FRANCE SA	15 juin 2012	20147000932	20 févr 2014	2014021713	03 nov 2016	101674776	15 juin 2032	CONTACTLESS COMMUNICATION METHOD WITH NEGATIVE MODULATION
GMT1325-NL-EPT	Netherlands	THALES DIS FRANCE SA	15 juin 2012	12729521.0	23 avr 2014	2721550	09 déc 2015	2721550	15 juin 2032	CONTACTLESS COMMUNICATION METHOD WITH NEGATIVE MODULATION
GMT1325-TR-EPT	Turkey	THALES DIS FRANCE SA	15 juin 2012	12729521.0	23 avr 2014	2721550	09 déc 2015	2721550	15 juin 2032	CONTACTLESS COMMUNICATION METHOD WITH NEGATIVE MODULATION
GMT1325-US-PCT	United States Of America	THALES DIS FRANCE SA	15 juin 2012	14126114	12 juin 2014	20140159870	04 déc 2018	10146967	15 juin 2032	CONTACTLESS COMMUNICATION METHOD WITH NEGATIVE MODULATION
GMT1326-CN-PCT	China	THALES DIS FRANCE SA	29 juin 2012	201280042206.X	30 avr 2014	103765925	22 août 2017	ZL201280042206.X	29 juin 2032	METHOD FOR ACCESSING AT LEAST ONE SERVICE AND CORRESPONDING SYSTEM
GMT1326-EP-EPT	European Procedure (Patents)	THALES DIS FRANCE SA	29 juin 2012	12733071.0	07 mai 2014	2727384			29 juin 2032	METHOD FOR ACCESSING AT LEAST ONE SERVICE AND CORRESPONDING SYSTEM
GMT1326-KR-PCT	South Korea / Republic of Korea	THALES DIS FRANCE SA	29 juin 2012	20147002336	17 mars 2014	20140033213	18 déc 2015	101580419	29 juin 2032	METHOD FOR ACCESSING AT LEAST ONE SERVICE AND CORRESPONDING SYSTEM
GMT1326-US-NP	United States Of America	THALES DIS FRANCE SA	01 juil 2011	13175352	03 janv 2013	20130005402	02 juil 2013	8478339	01 juil 2031	METHOD FOR ACCESSING AT LEAST ONE SERVICE AND CORRESPONDING SYSTEM
GMT1339-DE-EPT	Germany	THALES DIS FRANCE SA	19 juil 2013	13739694.1	03 juin 2015	2877957	15 mai 2019	602013055416.1	19 juil 2033	METHOD AND DEVICE FOR PROTECTING AGAINST FAULT ATTACK(S) AN ELECTRONIC DEVICE USING A CACHE MEMORY
GMT1339-EP-EPT	European Procedure (Patents)	THALES DIS FRANCE SA	19 juil 2013	13739694.1	03 juin 2015	2877957	15 mai 2019	2877957	19 juil 2033	METHOD AND DEVICE FOR PROTECTING AGAINST FAULT ATTACK(S) AN ELECTRONIC DEVICE USING A CACHE MEMORY
GMT1339-FR-EPT	France	THALES DIS FRANCE SA	19 juil 2013	13739694.1	03 juin 2015	2877957	15 mai 2019	2877957	19 juil 2033	METHOD AND DEVICE FOR PROTECTING AGAINST FAULT ATTACK(S) AN ELECTRONIC DEVICE USING A CACHE MEMORY

GMT1339-GB-EPT	United Kingdom	THALES DIS FRANCE SA	19 juil 2013	13739694.1	03 juin 2015	2877957	15 mai 2019	2877957	19 juil 2033	METHOD AND DEVICE FOR PROTECTING AGAINST FAULT ATTACK(S) AN ELECTRONIC DEVICE USING A CACHE MEMORY
GMT1341-BR-PCT	Brazil	THALES DIS FRANCE SA	07 déc 2012	BR1120140131899					07 déc 2032	METHOD FOR MANUFACTURING SMARTCARDS
GMT1341-CN-PCT	China	THALES DIS FRANCE SA	07 déc 2012	201280061727.X	20 août 2014	103999098	08 févr 2017	103999098	07 déc 2032	METHOD FOR MANUFACTURING SMARTCARDS
GMT1341-DE-EPT	Germany	THALES DIS FRANCE SA	07 déc 2012	12805665.2	22 oct 2014	2791873	13 avr 2016	602012017142.1	07 déc 2032	METHOD FOR MANUFACTURING SMARTCARDS
GMT1341-ES-EPT	Spain	THALES DIS FRANCE SA	07 déc 2012	12805665.2	22 oct 2014	2791873	13 avr 2016	2791873	07 déc 2032	METHOD FOR MANUFACTURING SMARTCARDS
GMT1341-FR-EPT	France	THALES DIS FRANCE SA	07 déc 2012	12805665.2	22 oct 2014	2791873	13 avr 2016	2791873	07 déc 2032	METHOD FOR MANUFACTURING SMARTCARDS
GMT1341-GB-EPT	United Kingdom	THALES DIS FRANCE SA	07 déc 2012	12805665.2	22 oct 2014	2791873	13 avr 2016	2791873	07 déc 2032	METHOD FOR MANUFACTURING SMARTCARDS
GMT1341-IT-EPT	Italy	THALES DIS FRANCE SA	07 déc 2012	12805665.2	22 oct 2014	2791873	13 avr 2016	502016000070327	07 déc 2032	METHOD FOR MANUFACTURING SMARTCARDS
GMT1341-US-PCT	United States Of America	THALES DIS FRANCE SA	07 déc 2012	14365281	18 déc 2014	20140367473	20 oct 2015	9165236	07 déc 2032	METHOD FOR MANUFACTURING SMARTCARDS
GMT1363-DE-EPT	Germany	THALES DIS FRANCE SA	28 sept 2012	12762643.0	06 août 2014	2761938	24 févr 2016	2761938	28 sept 2032	METHOD FOR SELECTING A MOBILE RADIO OPERATOR FOR ALLOWING ROAMING TO A SUBSCRIBER
GMT1363-FR-EPT	France	THALES DIS FRANCE SA	28 sept 2012	12762643.0	06 août 2014	2761938	24 févr 2016	2761938	28 sept 2032	METHOD FOR SELECTING A MOBILE RADIO OPERATOR FOR ALLOWING ROAMING TO A SUBSCRIBER
GMT1363-GB-EPT	United Kingdom	THALES DIS FRANCE SA	28 sept 2012	12762643.0	06 août 2014	2761938	24 févr 2016	2761938	28 sept 2032	METHOD FOR SELECTING A MOBILE RADIO OPERATOR FOR ALLOWING ROAMING TO A SUBSCRIBER
GMT1369-DE-EPT	Germany	THALES DIS FRANCE SA	04 déc 2012	12805642.1	22 oct 2014	2791845	06 avr 2016	602012016808.0	04 déc 2032	METHOD FOR ENTERING A PERSONAL IDENTIFICATION CODE IN A DEVICE
GMT1369-FR-EPT	France	THALES DIS FRANCE SA	04 déc 2012	12805642.1	22 oct 2014	2791845	06 avr 2016	2791845	04 déc 2032	METHOD FOR ENTERING A PERSONAL IDENTIFICATION CODE IN A DEVICE
GMT1369-GB-EPT	United Kingdom	THALES DIS FRANCE SA	04 déc 2012	12805642.1	22 oct 2014	2791845	06 avr 2016	2791845	04 déc 2032	METHOD FOR ENTERING A PERSONAL IDENTIFICATION CODE IN A DEVICE
GMT1377-BE-EPT	Belgium	THALES DIS FRANCE SA	02 oct 2012	12769411.5	13 août 2014	2764576	29 nov 2017	2764576	02 oct 2032	RESISTANT MAGNETIC FIELD ANTENNA FOR RADIO FREQUENCY TRANSPONDER
GMT1377-FR-EPT	France	THALES DIS FRANCE SA	02 oct 2012	12769411.5	13 août 2014	2764576	29 nov 2017	2764576	02 oct 2032	RESISTANT MAGNETIC FIELD ANTENNA FOR RADIO FREQUENCY TRANSPONDER
GMT1377-PT-EPT	Portugal	THALES DIS FRANCE SA	02 oct 2012	12769411.5	13 août 2014	2764576	29 nov 2017	2764576	02 oct 2032	RESISTANT MAGNETIC FIELD ANTENNA FOR RADIO FREQUENCY TRANSPONDER
GMT1377-TR-EPT	Turkey	THALES DIS FRANCE SA	02 oct 2012	12769411.5	13 août 2014	2764576	29 nov 2017	2764576	02 oct 2032	RESISTANT MAGNETIC FIELD ANTENNA FOR RADIO FREQUENCY TRANSPONDER
GMT1382-CN-PCT	China	THALES DIS FRANCE SA	21 févr 2013	201380010123.7	15 oct 2014	104106275	09 nov 2018	ZL.201380010123.7	21 févr 2033	METHOD FOR PERSONALIZING A SECURE ELEMENT COOPERATING WITH AN EQUIPMENT
GMT1382-DE-EPT	Germany	THALES DIS FRANCE SA	21 févr 2013	13707582.6	31 déc 2014	2817989	21 nov 2018	602013047054.5	21 févr 2033	METHOD FOR PERSONALIZING A SECURE ELEMENT COOPERATING WITH AN EQUIPMENT
GMT1382-ES-EPT	Spain	THALES DIS FRANCE SA	21 févr 2013	13707582.6	31 déc 2014	2817989	21 nov 2018	2817989	21 févr 2033	METHOD FOR PERSONALIZING A SECURE ELEMENT COOPERATING WITH AN EQUIPMENT

GMT1382-FR-EPT	France	THALES DIS FRANCE SA	21 févr 2013	13707582.6	31 déc 2014	2817989	21 nov 2018	2817989	21 févr 2033	METHOD FOR PERSONALIZING A SECURE ELEMENT COOPERATING WITH AN EQUIPMENT
GMT1382-GB-EPT	United Kingdom	THALES DIS FRANCE SA	21 févr 2013	13707582.6	31 déc 2014	2817989	21 nov 2018	2817989	21 févr 2033	METHOD FOR PERSONALIZING A SECURE ELEMENT COOPERATING WITH AN EQUIPMENT
GMT1382-IT-EPT	Italy	THALES DIS FRANCE SA	21 févr 2013	13707582.6	31 déc 2014	2817989	21 nov 2018	502019000014731	21 févr 2033	METHOD FOR PERSONALIZING A SECURE ELEMENT COOPERATING WITH AN EQUIPMENT
GMT1382-US-PCT	United States Of America	THALES DIS FRANCE SA	21 févr 2013	14379832	05 févr 2015	20150038117	17 avr 2018	9949128	30 sept 2033	METHOD FOR PERSONALIZING A SECURE ELEMENT COOPERATING WITH AN EQUIPMENT
GMT1383-DE-EPT	Germany	THALES DIS FRANCE SA	20 juil 2012	12735908.1	25 juin 2014	2745560	04 avr 2018	602012044731.1	20 juil 2032	METHOD FOR SWITCHING A SUBSCRIPTION FROM A FIRST MNO TO A SECOND MNO
GMT1383-ES-EPT	Spain	THALES DIS FRANCE SA	20 juil 2012	12735908.1	25 juin 2014	2745560	04 avr 2018	2745560	20 juil 2032	METHOD FOR SWITCHING A SUBSCRIPTION FROM A FIRST MNO TO A SECOND MNO
GMT1383-FR-EPT	France	THALES DIS FRANCE SA	20 juil 2012	12735908.1	25 juin 2014	2745560	04 avr 2018	2745560	20 juil 2032	METHOD FOR SWITCHING A SUBSCRIPTION FROM A FIRST MNO TO A SECOND MNO
GMT1383-GB-EPT	United Kingdom	THALES DIS FRANCE SA	20 juil 2012	12735908.1	25 juin 2014	2745560	04 avr 2018	2745560	20 juil 2032	METHOD FOR SWITCHING A SUBSCRIPTION FROM A FIRST MNO TO A SECOND MNO
GMT1383-IT-EPT	Italy	THALES DIS FRANCE SA	20 juil 2012	12735908.1	25 juin 2014	2745560	04 avr 2018	502018000019707	20 juil 2032	METHOD FOR SWITCHING A SUBSCRIPTION FROM A FIRST MNO TO A SECOND MNO
GMT1383-NL-EPT	Netherlands	THALES DIS FRANCE SA	20 juil 2012	12735908.1	25 juin 2014	2745560	04 avr 2018	2745560	20 juil 2032	METHOD FOR SWITCHING A SUBSCRIPTION FROM A FIRST MNO TO A SECOND MNO
GMT1383-US-PCT	United States Of America	THALES DIS FRANCE SA	20 juil 2012	14239784	24 juil 2014	20140206338	21 mars 2017	9603002	03 janv 2033	METHOD FOR SWITCHING A SUBSCRIPTION FROM A FIRST MNO TO A SECOND MNO
GMT1384-DE-EPT	Germany	THALES DIS FRANCE SA	21 juin 2013	13730572.8	29 avr 2015	2865173	12 août 2020	602013071552.1	21 juin 2033	METHOD FOR PRINTING A MATRIX OF COLORED PIXELS ON A PHYSICAL MEDIUM BY PRINTING OF DIAGONAL LINES, AND ASSOCIATED CONTROL DEVICE
GMT1384-EP-EPT	European Procedure (Patents)	THALES DIS FRANCE SA	21 juin 2013	13730572.8	29 avr 2015	2865173	12 août 2020	2865173	21 juin 2033	METHOD FOR PRINTING A MATRIX OF COLORED PIXELS ON A PHYSICAL MEDIUM BY PRINTING OF DIAGONAL LINES, AND ASSOCIATED CONTROL DEVICE
GMT1384-FR-EPT	France	THALES DIS FRANCE SA	21 juin 2013	13730572.8	29 avr 2015	2865173	12 août 2020	2865173	21 juin 2033	METHOD FOR PRINTING A MATRIX OF COLORED PIXELS ON A PHYSICAL MEDIUM BY PRINTING OF DIAGONAL LINES, AND ASSOCIATED CONTROL DEVICE
GMT1384-NL-EPT	Netherlands	THALES DIS FRANCE SA	21 juin 2013	13730572.8	29 avr 2015	2865173	12 août 2020	2865173	21 juin 2033	METHOD FOR PRINTING A MATRIX OF COLORED PIXELS ON A PHYSICAL MEDIUM BY PRINTING OF DIAGONAL LINES, AND ASSOCIATED CONTROL DEVICE
GMT1384-US-PCT	United States Of America	THALES DIS FRANCE SA	21 juin 2013	14410444	24 déc 2015	20150373226	12 juil 2016	9392139	21 juin 2033	METHOD FOR PRINTING A MATRIX OF COLORED PIXELS ON A PHYSICAL MEDIUM BY PRINTING OF DIAGONAL LINES, AND ASSOCIATED CONTROL DEVICE
GMT1412-DE-EPT	Germany	THALES DIS FRANCE SA	18 sept 2012	12759727.6	13 août 2014	2764461	02 nov 2016	602012024886.6	18 sept 2032	SECURE ELEMENT COMPRISING SEPARATED CONTAINERS AND CORRESPONDING METHOD
GMT1412-DK-EPT	Denmark	THALES DIS FRANCE SA	18 sept 2012	12759727.6	13 août 2014	2764461	02 nov 2016	2764461	18 sept 2032	SECURE ELEMENT COMPRISING SEPARATED CONTAINERS AND CORRESPONDING METHOD
GMT1412-ES-EPT	Spain	THALES DIS FRANCE SA	18 sept 2012	12759727.6	13 août 2014	2764461	02 nov 2016	2764461	18 sept 2032	SECURE ELEMENT COMPRISING SEPARATED CONTAINERS AND CORRESPONDING METHOD
GMT1412-FI-EPT	Finland	THALES DIS FRANCE SA	18 sept 2012	12759727.6	13 août 2014	2764461	02 nov 2016	2764461	18 sept 2032	SECURE ELEMENT COMPRISING SEPARATED CONTAINERS AND CORRESPONDING METHOD
GMT1412-FR-EPT	France	THALES DIS FRANCE SA	18 sept 2012	12759727.6	13 août 2014	2764461	02 nov 2016	2764461	18 sept 2032	SECURE ELEMENT COMPRISING SEPARATED CONTAINERS AND CORRESPONDING METHOD

GMT1412-GB-EPT	United Kingdom	THALES DIS FRANCE SA	18 sept 2012	12759727.6	13 août 2014	2764461	02 nov 2016	2764461	18 sept 2032	SECURE ELEMENT COMPRISING SEPARATED CONTAINERS AND CORRESPONDING METHOD
GMT1412-IT-EPT	Italy	THALES DIS FRANCE SA	18 sept 2012	12759727.6	13 août 2014	2764461	02 nov 2016	2764461	18 sept 2032	SECURE ELEMENT COMPRISING SEPARATED CONTAINERS AND CORRESPONDING METHOD
GMT1412-NL-EPT	Netherlands	THALES DIS FRANCE SA	18 sept 2012	12759727.6	13 août 2014	2764461	02 nov 2016	2764461	18 sept 2032	SECURE ELEMENT COMPRISING SEPARATED CONTAINERS AND CORRESPONDING METHOD
GMT1412-SE-EPT	Sweden	THALES DIS FRANCE SA	18 sept 2012	12759727.6	13 août 2014	2764461	02 nov 2016	2764461	18 sept 2032	SECURE ELEMENT COMPRISING SEPARATED CONTAINERS AND CORRESPONDING METHOD
GMT1412-TR-EPT	Turkey	THALES DIS FRANCE SA	18 sept 2012	12759727.6	13 août 2014	2764461	02 nov 2016	2764461	18 sept 2032	SECURE ELEMENT COMPRISING SEPARATED CONTAINERS AND CORRESPONDING METHOD
GMT1412-US-PCT	United States Of America	THALES DIS FRANCE SA	18 sept 2012	14349047	04 sept 2014	20140250501	07 juin 2016	9361470	18 sept 2032	SECURE ELEMENT COMPRISING SEPARATED CONTAINERS AND CORRESPONDING METHOD
GMT1426-CN-PCT	China	THALES DIS FRANCE SA	12 avr 2012	201280018512.X	26 févr 2014	103608827	23 juin 2017	ZL201280018512.X	12 avr 2032	METHOD, CIRCUIT AND CONTACTLESS COMMUNICATION DEVICE WITH ACTIVATED EMITTING
GMT1426-EP-EPT	European Procedure (Patents)	THALES DIS FRANCE SA	12 avr 2012	12713994.7	19 févr 2014	2697745			12 avr 2032	METHOD, CIRCUIT AND CONTACTLESS COMMUNICATION DEVICE WITH ACTIVATED EMITTING
GMT1426-KR-PCT	South Korea / Republic of Korea	THALES DIS FRANCE SA	12 avr 2012	20137030246	30 déc 2013	2013143135	26 avr 2016	101617311	12 avr 2032	METHOD, CIRCUIT AND CONTACTLESS COMMUNICATION DEVICE WITH ACTIVATED EMITTING
GMT1426-US-PCT	United States Of America	THALES DIS FRANCE SA	12 avr 2012	14111105	30 janv 2014	20140030986	24 oct 2017	9800300	06 nov 2032	METHOD, CIRCUIT AND CONTACTLESS COMMUNICATION DEVICE WITH ACTIVATED EMITTING
GMT1437-EP-EPT	European Procedure (Patents)	THALES DIS FRANCE SA	27 mars 2013	13712796.5	04 févr 2015	2831818			27 mars 2033	METHOD, DEVICE AND SYSTEM FOR MANAGING A PROVISION OF ENERGY
GMT1437-US-PCT	United States Of America	THALES DIS FRANCE SA	27 mars 2013	14387506	09 avr 2015	20150097698	03 oct 2017	9780603	16 mai 2033	METHOD, DEVICE AND SYSTEM FOR MANAGING A PROVISION OF ENERGY
GMT1447-DE-EPT	Germany	THALES DIS FRANCE SA	28 nov 2013	13799010.7	14 oct 2015	2929649	28 nov 2018	602013047520.2	28 nov 2033	METHOD FOR SERVER ASSISTED KEYSTORE PROTECTION
GMT1447-ES-EPT	Spain	THALES DIS FRANCE SA	28 nov 2013	13799010.7	14 oct 2015	2929649	28 nov 2018	2929649	28 nov 2033	METHOD FOR SERVER ASSISTED KEYSTORE PROTECTION
GMT1447-FI-EPT	Finland	THALES DIS FRANCE SA	28 nov 2013	13799010.7	14 oct 2015	2929649	28 nov 2018	2929649	28 nov 2033	METHOD FOR SERVER ASSISTED KEYSTORE PROTECTION
GMT1447-FR-EPT	France	THALES DIS FRANCE SA	28 nov 2013	13799010.7	14 oct 2015	2929649	28 nov 2018	2929649	28 nov 2033	METHOD FOR SERVER ASSISTED KEYSTORE PROTECTION
GMT1447-GB-EPT	United Kingdom	THALES DIS FRANCE SA	28 nov 2013	13799010.7	14 oct 2015	2929649	28 nov 2018	2929649	28 nov 2033	METHOD FOR SERVER ASSISTED KEYSTORE PROTECTION
GMT1447-IT-EPT	Italy	THALES DIS FRANCE SA	28 nov 2013	13799010.7	14 oct 2015	2929649	28 nov 2018	502019000016997	28 nov 2033	METHOD FOR SERVER ASSISTED KEYSTORE PROTECTION
GMT1447-US-PCT	United States Of America	THALES DIS FRANCE SA	28 nov 2013	14650676	05 nov 2015	20150318992	19 sept 2017	9768960	05 déc 2033	METHOD FOR SERVER ASSISTED KEYSTORE PROTECTION
GMT1467-BE-EPT	Belgium	THALES DIS FRANCE SA	24 déc 2012	12808831.7	29 oct 2014	2795542	02 mai 2018	2795542	24 déc 2032	SMARTCARD AND ASSOCIATED MANUFACTURING METHOD
GMT1467-BR-PCT	Brazil	THALES DIS FRANCE SA	24 déc 2012	BR1120140122717					24 déc 2032	SMARTCARD AND ASSOCIATED MANUFACTURING METHOD

GMT1467-DE-EPT	Germany	THALES DIS FRANCE SA	24 déc 2012	12808831.7	29 oct 2014	2795542	02 mai 2018	602012046006.7	24 déc 2032	SMARTCARD AND ASSOCIATED MANUFACTURING METHOD
GMT1467-DK-EPT	Denmark	THALES DIS FRANCE SA	24 déc 2012	12808831.7	29 oct 2014	2795542	02 mai 2018	2795542	24 déc 2032	SMARTCARD AND ASSOCIATED MANUFACTURING METHOD
GMT1467-EP-EPT	European Procedure (Patents)	THALES DIS FRANCE SA	24 déc 2012	12808831.7	29 oct 2014	2795542	02 mai 2018	2795542	24 déc 2032	SMARTCARD AND ASSOCIATED MANUFACTURING METHOD
GMT1467-ES-EPT	Spain	THALES DIS FRANCE SA	24 déc 2012	12808831.7	29 oct 2014	2795542	02 mai 2018	2795542	24 déc 2032	SMARTCARD AND ASSOCIATED MANUFACTURING METHOD
GMT1467-FI-EPT	Finland	THALES DIS FRANCE SA	24 déc 2012	12808831.7	29 oct 2014	2795542	02 mai 2018	2795542	24 déc 2032	SMARTCARD AND ASSOCIATED MANUFACTURING METHOD
GMT1467-FR-EPT	France	THALES DIS FRANCE SA	24 déc 2012	12808831.7	29 oct 2014	2795542	02 mai 2018	2795542	24 déc 2032	SMARTCARD AND ASSOCIATED MANUFACTURING METHOD
GMT1467-GB-EPT	United Kingdom	THALES DIS FRANCE SA	24 déc 2012	12808831.7	29 oct 2014	2795542	02 mai 2018	2795542	24 déc 2032	SMARTCARD AND ASSOCIATED MANUFACTURING METHOD
GMT1467-ID-PCT	Indonesia	THALES DIS FRANCE SA	24 déc 2012	P00201403655	11 sept 2015	P00201403655	11 juil 2019	P00201403655	24 déc 2032	Chip card and associated manufacturing method
GMT1467-IN-PCT	India	THALES DIS FRANCE SA	24 déc 2012	4455CHENP2014					24 déc 2032	SMARTCARD AND ASSOCIATED MANUFACTURING METHOD
GMT1467-IT-EPT	Italy	THALES DIS FRANCE SA	24 déc 2012	12808831.7	29 oct 2014	2795542	02 mai 2018	502018000015327	24 déc 2032	SMARTCARD AND ASSOCIATED MANUFACTURING METHOD
GMT1467-NL-EPT	Netherlands	THALES DIS FRANCE SA	24 déc 2012	12808831.7	29 oct 2014	2795542	02 mai 2018	2795542	24 déc 2032	SMARTCARD AND ASSOCIATED MANUFACTURING METHOD
GMT1467-PL-EPT	Poland	THALES DIS FRANCE SA	24 déc 2012	12808831.7	29 oct 2014	2795542	02 mai 2018	2795542	24 déc 2032	SMARTCARD AND ASSOCIATED MANUFACTURING METHOD
GMT1467-PT-EPT	Portugal	THALES DIS FRANCE SA	24 déc 2012	12808831.7	29 oct 2014	2795542	02 mai 2018	2795542	24 déc 2032	SMARTCARD AND ASSOCIATED MANUFACTURING METHOD
GMT1467-TR-EPT	Turkey	THALES DIS FRANCE SA	24 déc 2012	12808831.7	29 oct 2014	2795542	02 mai 2018	2795542	24 déc 2032	SMARTCARD AND ASSOCIATED MANUFACTURING METHOD
GMT1468-DE-EPT	Germany	THALES DIS FRANCE SA	25 oct 2013	13783347.1	02 sept 2015	2912818	03 mai 2017	2912818	25 oct 2033	MUTUAL AUTHENTICATION METHOD BETWEEN A TERMINAL AND A DISTANT SERVER THROUGH A THIRD PARTY PORTAL
GMT1468-ES-EPT	Spain	THALES DIS FRANCE SA	25 oct 2013	13783347.1	02 sept 2015	2912818	03 mai 2017	2912818	25 oct 2033	MUTUAL AUTHENTICATION METHOD BETWEEN A TERMINAL AND A DISTANT SERVER THROUGH A THIRD PARTY PORTAL
GMT1468-FR-EPT	France	THALES DIS FRANCE SA	25 oct 2013	13783347.1	02 sept 2015	2912818	03 mai 2017	2912818	25 oct 2033	MUTUAL AUTHENTICATION METHOD BETWEEN A TERMINAL AND A DISTANT SERVER THROUGH A THIRD PARTY PORTAL
GMT1468-GB-EPT	United Kingdom	THALES DIS FRANCE SA	25 oct 2013	13783347.1	02 sept 2015	2912818	03 mai 2017	2912818	25 oct 2033	MUTUAL AUTHENTICATION METHOD BETWEEN A TERMINAL AND A DISTANT SERVER THROUGH A THIRD PARTY PORTAL
GMT1468-IT-EPT	Italy	THALES DIS FRANCE SA	25 oct 2013	13783347.1	02 sept 2015	2912818	03 mai 2017	2912818	25 oct 2033	MUTUAL AUTHENTICATION METHOD BETWEEN A TERMINAL AND A DISTANT SERVER THROUGH A THIRD PARTY PORTAL
GMT1468-JP-PCT	Japan	THALES DIS FRANCE SA	25 oct 2013	2015538477	26 nov 2015	2015534408	17 juin 2016	5952973	25 oct 2033	MUTUAL AUTHENTICATION METHOD BETWEEN A TERMINAL AND A DISTANT SERVER THROUGH A THIRD PARTY PORTAL
GMT1468-KR-PCT	South Korea / Republic of Korea	THALES DIS FRANCE SA	25 oct 2013	20157013922	08 juil 2015	20150079845	07 mars 2017	1716067	25 oct 2033	MUTUAL AUTHENTICATION METHOD BETWEEN A TERMINAL AND A DISTANT SERVER THROUGH A THIRD PARTY PORTAL
GMT1468-TR-EPT	Turkey	THALES DIS FRANCE SA	25 oct 2013	13783347.1	02 sept 2015	2912818	03 mai 2017	2912818	25 oct 2033	MUTUAL AUTHENTICATION METHOD BETWEEN A TERMINAL AND A DISTANT SERVER THROUGH A THIRD PARTY PORTAL

GMT1468-US-PCT	United States Of America	THALES DIS FRANCE SA	25 oct 2013	14439167	08 oct 2015	20150289135	19 avr 2016	9319882	25 oct 2033	MUTUAL AUTHENTICATION METHOD BETWEEN A TERMINAL AND A DISTANT SERVER THROUGH A THIRD PARTY PORTAL
GMT1469-DE-EPT	Germany	THALES DIS FRANCE SA	21 janv 2013	13700750.6	17 déc 2014	2812852	30 mars 2016	602013005921.7	21 janv 2033	METHOD OF AUTHENTICATING A DEVICE
GMT1469-FR-EPT	France	THALES DIS FRANCE SA	21 janv 2013	13700750.6	17 déc 2014	2812852	30 mars 2016	2812852	21 janv 2033	METHOD OF AUTHENTICATING A DEVICE
GMT1469-GB-EPT	United Kingdom	THALES DIS FRANCE SA	21 janv 2013	13700750.6	17 déc 2014	2812852	30 mars 2016	2812852	21 janv 2033	METHOD OF AUTHENTICATING A DEVICE
GMT1469-US-PCT	United States Of America	THALES DIS FRANCE SA	21 janv 2013	14372799	22 oct 2015	20150304114	10 janv 2017	9544154	21 janv 2033	METHOD OF AUTHENTICATING A DEVICE
GMT1492-DE-EPT	Germany	THALES DIS FRANCE SA	11 juil 2013	13739384.9	20 mai 2015	2873211	08 janv 2020	602013064832.8	11 juil 2033	METHOD FOR REGISTERING AT LEAST A PUBLIC ADDRESS IN AN IMS NETWORK AND CORRESPONDING APPLICATION
GMT1492-ES-EPT	Spain	THALES DIS FRANCE SA	11 juil 2013	13739384.9	20 mai 2015	2873211	08 janv 2020	2873211	11 juil 2033	METHOD FOR REGISTERING AT LEAST A PUBLIC ADDRESS IN AN IMS NETWORK AND CORRESPONDING APPLICATION
GMT1492-FR-EPT	France	THALES DIS FRANCE SA	11 juil 2013	13739384.9	20 mai 2015	2873211	08 janv 2020	2873211	11 juil 2033	METHOD FOR REGISTERING AT LEAST A PUBLIC ADDRESS IN AN IMS NETWORK AND CORRESPONDING APPLICATION
GMT1492-GB-EPT	United Kingdom	THALES DIS FRANCE SA	11 juil 2013	13739384.9	20 mai 2015	2873211	08 janv 2020	2873211	11 juil 2033	METHOD FOR REGISTERING AT LEAST A PUBLIC ADDRESS IN AN IMS NETWORK AND CORRESPONDING APPLICATION
GMT1492-IT-EPT	Italy	THALES DIS FRANCE SA	11 juil 2013	13739384.9	20 mai 2015	2873211	08 janv 2020	502020000031090	11 juil 2033	METHOD FOR REGISTERING AT LEAST A PUBLIC ADDRESS IN AN IMS NETWORK AND CORRESPONDING APPLICATION
GMT1492-JP-PCT	Japan	THALES DIS FRANCE SA	11 juil 2013	2015521002	17 sept 2015	2015527802	13 mai 2016	5933838	11 juil 2033	METHOD FOR REGISTERING AT LEAST A PUBLIC ADDRESS IN AN IMS NETWORK AND CORRESPONDING APPLICATION
GMT1492-US-PCT	United States Of America	THALES DIS FRANCE SA	11 juil 2013	14413835	20 août 2015	20150237148	26 déc 2017	9854046	28 oct 2033	METHOD FOR REGISTERING AT LEAST A PUBLIC ADDRESS IN AN IMS NETWORK AND CORRESPONDING APPLICATION
GMT1497-BR-PCT	Brazil	THALES DIS FRANCE SA	21 déc 2012	1415718					21 déc 2032	METHOD OF PROGRAMMING A USB DEVICE
GMT1497-DE-EPT	Germany	THALES DIS FRANCE SA	21 déc 2012	12812992.1	12 nov 2014	2801035	09 mars 2016	602012015500.0	21 déc 2032	METHOD OF PROGRAMMING A USB DEVICE
GMT1497-FR-EPT	France	THALES DIS FRANCE SA	21 déc 2012	12812992.1	12 nov 2014	2801035	09 mars 2016	2801035	21 déc 2032	METHOD OF PROGRAMMING A USB DEVICE
GMT1497-GB-EPT	United Kingdom	THALES DIS FRANCE SA	21 déc 2012	12812992.1	12 nov 2014	2801035	09 mars 2016	2801035	21 déc 2032	METHOD OF PROGRAMMING A USB DEVICE
GMT1497-US-PCT	United States Of America	THALES DIS FRANCE SA	21 déc 2012	14370494	06 nov 2014	20140330987	21 avr 2015	9015360	21 déc 2032	METHOD OF PROGRAMMING A USB DEVICE
GMT1503-EP-EPT	European Procedure (Patents)	THALES DIS FRANCE SA	17 avr 2013	13718550.0	25 févr 2015	2839401			17 avr 2033	SECURE PASSWORD-BASED AUTHENTICATION FOR CLOUD COMPUTING SERVICES
GMT1503-US-NP	United States Of America	THALES DIS FRANCE SA	17 avr 2012	13448928	17 oct 2013	20130275748	17 févr 2015	8959335	17 avr 2032	SECURE PASSWORD-BASED AUTHENTICATION FOR CLOUD COMPUTING SERVICES
GMT1507-US-PCT	United States Of America	THALES DIS FRANCE SA	01 mars 2013	14382354	05 févr 2015	20150034716	18 oct 2016	9472036	01 mars 2033	METHOD FOR VERIFYING DOCUMENTS AND DEVICE IMPLEMENTING SUCH A METHOD.
GMT1511-BR-PCT	Brazil	THALES DIS FRANCE SA	21 févr 2013	BR1120140205400	09 juil 2013	BR1120140205400			21 févr 2033	TELECOMMUNICATION SYSTEM
GMT1511-DE-EPT	Germany	THALES DIS FRANCE SA	21 févr 2013	13705474.8	31 déc 2014	2817951	04 janv 2017	2817951	21 févr 2033	TELECOMMUNICATION SYSTEM

GMT1511-ES-EPT	Spain	THALES DIS FRANCE SA	21 févr 2013	13705474.8	31 déc 2014	2817951	04 janv 2017	2817951	21 févr 2033	TELECOMMUNICATION SYSTEM
GMT1511-FR-EPT	France	THALES DIS FRANCE SA	21 févr 2013	13705474.8	31 déc 2014	2817951	04 janv 2017	2817951	21 févr 2033	TELECOMMUNICATION SYSTEM
GMT1511-GB-EPT	United Kingdom	THALES DIS FRANCE SA	21 févr 2013	13705474.8	31 déc 2014	2817951	04 janv 2017	2817951	21 févr 2033	TELECOMMUNICATION SYSTEM
GMT1511-IT-EPT	Italy	THALES DIS FRANCE SA	21 févr 2013	13705474.8	31 déc 2014	2817951	04 janv 2017	502017000034820	21 févr 2033	TELECOMMUNICATION SYSTEM
GMT1515-DE-EPT	Germany	THALES DIS FRANCE SA	20 déc 2013	13814132.0	28 oct 2015	2936768	29 juil 2020	2936768	20 déc 2033	A SYSTEM AND METHOD OF DYNAMIC ISSUANCE OF PRIVACY PRESERVING CREDENTIALS
GMT1515-EP-EPT	European Procedure (Patents)	THALES DIS FRANCE SA	20 déc 2013	13814132.0	28 oct 2015	2936768	29 juil 2020	2936768	20 déc 2033	A SYSTEM AND METHOD OF DYNAMIC ISSUANCE OF PRIVACY PRESERVING CREDENTIALS
GMT1515-ES-EPT	Spain	THALES DIS FRANCE SA	20 déc 2013	13814132.0	28 oct 2015	2936768	29 juil 2020	2936768	20 déc 2033	A SYSTEM AND METHOD OF DYNAMIC ISSUANCE OF PRIVACY PRESERVING CREDENTIALS
GMT1515-FR-EPT	France	THALES DIS FRANCE SA	20 déc 2013	13814132.0	28 oct 2015	2936768	29 juil 2020	2936768	20 déc 2033	A SYSTEM AND METHOD OF DYNAMIC ISSUANCE OF PRIVACY PRESERVING CREDENTIALS
GMT1515-GB-EPT	United Kingdom	THALES DIS FRANCE SA	20 déc 2013	13814132.0	28 oct 2015	2936768	29 juil 2020	2936768	20 déc 2033	A SYSTEM AND METHOD OF DYNAMIC ISSUANCE OF PRIVACY PRESERVING CREDENTIALS
GMT1515-NL-EPT	Netherlands	THALES DIS FRANCE SA	20 déc 2013	13814132.0	28 oct 2015	2936768	29 juil 2020	2936768	20 déc 2033	A SYSTEM AND METHOD OF DYNAMIC ISSUANCE OF PRIVACY PRESERVING CREDENTIALS
GMT1515-US-PCT	United States Of America	THALES DIS FRANCE SA	20 déc 2013	14654547	26 nov 2015	20150341340	21 nov 2017	9825917	31 déc 2033	A SYSTEM AND METHOD OF DYNAMIC ISSUANCE OF PRIVACY PRESERVING CREDENTIALS
GMT1517-DE-EPT	Germany	THALES DIS FRANCE SA	18 juin 2013	13732404.2	20 mai 2015	2873266	03 août 2016	602013010084.5	18 juin 2033	METHOD FOR ACCESSING A WLAN ACCESS POINT
GMT1517-FR-EPT	France	THALES DIS FRANCE SA	18 juin 2013	13732404.2	20 mai 2015	2873266	03 août 2016	2873266	18 juin 2033	METHOD FOR ACCESSING A WLAN ACCESS POINT
GMT1517-GB-EPT	United Kingdom	THALES DIS FRANCE SA	18 juin 2013	13732404.2	20 mai 2015	2873266	03 août 2016	2873266	18 juin 2033	METHOD FOR ACCESSING A WLAN ACCESS POINT
GMT1517-US-PCT	United States Of America	THALES DIS FRANCE SA	18 juin 2013	14413593	23 juil 2015	20150208237	10 oct 2017	9788202	18 juin 2033	METHOD FOR ACCESSING A WLAN ACCESS POINT
GMT1532-BR-PCT	Brazil	THALES DIS FRANCE SA	01 juil 2013	1120150001386	27 mars 2017	112015000138			01 juil 2033	METHOD FOR ATTACHING A ROAMING TELECOMMUNICATION TERMINAL TO A VISITED OPERATOR NETWORK
GMT1532-DE-EPT	Germany	THALES DIS FRANCE SA	01 juil 2013	13732951.2	15 juil 2015	2893730	28 août 2019	602013059723.5	01 juil 2033	METHOD FOR ATTACHING A ROAMING TELECOMMUNICATION TERMINAL TO A VISITED OPERATOR NETWORK
GMT1532-EA-EAT	Eurasian Procedure	THALES DIS FRANCE SA	01 juil 2013	201590159			25 mai 2020	035283	01 juil 2033	METHOD FOR ATTACHING A ROAMING TELECOMMUNICATION TERMINAL TO A VISITED OPERATOR NETWORK
GMT1532-ES-EPT	Spain	THALES DIS FRANCE SA	01 juil 2013	13732951.2	15 juil 2015	2893730	28 août 2019	2893730	01 juil 2033	METHOD FOR ATTACHING A ROAMING TELECOMMUNICATION TERMINAL TO A VISITED OPERATOR NETWORK
GMT1532-FR-EPT	France	THALES DIS FRANCE SA	01 juil 2013	13732951.2	15 juil 2015	2893730	28 août 2019	2893730	01 juil 2033	METHOD FOR ATTACHING A ROAMING TELECOMMUNICATION TERMINAL TO A VISITED OPERATOR NETWORK
GMT1532-GB-EPT	United Kingdom	THALES DIS FRANCE SA	01 juil 2013	13732951.2	15 juil 2015	2893730	28 août 2019	2893730	01 juil 2033	METHOD FOR ATTACHING A ROAMING TELECOMMUNICATION TERMINAL TO A VISITED OPERATOR NETWORK
GMT1532-IT-EPT	Italy	THALES DIS FRANCE SA	01 juil 2013	13732951.2	15 juil 2015	2893730	28 août 2019	502019000098952	01 juil 2033	METHOD FOR ATTACHING A ROAMING TELECOMMUNICATION TERMINAL TO A VISITED OPERATOR NETWORK

GMT1532-MX-PCT	Mexico	THALES DIS FRANCE SA	01 juil 2013	MX2015000003	08 avr 2015	2015000003	14 juil 2017	349147	01 juil 2033	METHOD FOR ATTACHING A ROAMING TELECOMMUNICATION TERMINAL TO A VISITED OPERATOR NETWORK
GMT1532-RU-EAT	Russian Federation	THALES DIS FRANCE SA	01 juil 2013	201590159			25 mai 2020	035283	01 juil 2033	METHOD FOR ATTACHING A ROAMING TELECOMMUNICATION TERMINAL TO A VISITED OPERATOR NETWORK
GMT1532-US-PCT	United States Of America	THALES DIS FRANCE SA	01 juil 2013	14412713	09 juil 2015	20150195701	30 mai 2017	9668119	01 juil 2033	METHOD FOR ATTACHING A ROAMING TELECOMMUNICATION TERMINAL TO A VISITED OPERATOR NETWORK
GMT1578-EP-EPT	European Procedure (Patents)	THALES DIS FRANCE SA	19 déc 2013	13814128.8	28 oct 2015	2936395			19 déc 2033	MULTIFUNCTION SMART CARD COMPRISING A PHOTOVOLTAIC SENSOR
GMT1594-AT-EPT	Austria	THALES DIS FRANCE SA	15 mai 2012	12720520.1	26 mars 2014	2710522	26 déc 2018	2710522	15 mai 2032	WIRED CAPACITOR NAMELY FOR RADIO FREQUENCY CIRCUIT AND DEVICE COMPRISING THE SAME
GMT1594-BE-EPT	Belgium	THALES DIS FRANCE SA	15 mai 2012	12720520.1	26 mars 2014	2710522	26 déc 2018	2710522	15 mai 2032	WIRED CAPACITOR NAMELY FOR RADIO FREQUENCY CIRCUIT AND DEVICE COMPRISING THE SAME
GMT1594-CN-PCT	China	THALES DIS FRANCE SA	15 mai 2012	201280023870.X	26 mars 2014	103688276	17 mai 2017	Z1.201280023870.X	15 mai 2032	WIRED CAPACITOR NAMELY FOR RADIO FREQUENCY CIRCUIT AND DEVICE COMPRISING THE SAME
GMT1594-DE-EPT	Germany	THALES DIS FRANCE SA	15 mai 2012	12720520.1	26 mars 2014	2710522	26 déc 2018	602012055098.8	15 mai 2032	WIRED CAPACITOR NAMELY FOR RADIO FREQUENCY CIRCUIT AND DEVICE COMPRISING THE SAME
GMT1594-ES-EPT	Spain	THALES DIS FRANCE SA	15 mai 2012	12720520.1	26 mars 2014	2710522	26 déc 2018	2710522	15 mai 2032	WIRED CAPACITOR NAMELY FOR RADIO FREQUENCY CIRCUIT AND DEVICE COMPRISING THE SAME
GMT1594-FI-EPT	Finland	THALES DIS FRANCE SA	15 mai 2012	12720520.1	26 mars 2014	2710522	26 déc 2018	2710522	15 mai 2032	WIRED CAPACITOR NAMELY FOR RADIO FREQUENCY CIRCUIT AND DEVICE COMPRISING THE SAME
GMT1594-FR-EPT	France	THALES DIS FRANCE SA	15 mai 2012	12720520.1	26 mars 2014	2710522	26 déc 2018	2710522	15 mai 2032	WIRED CAPACITOR NAMELY FOR RADIO FREQUENCY CIRCUIT AND DEVICE COMPRISING THE SAME
GMT1594-GB-EPT	United Kingdom	THALES DIS FRANCE SA	15 mai 2012	12720520.1	26 mars 2014	2710522	26 déc 2018	2710522	15 mai 2032	WIRED CAPACITOR NAMELY FOR RADIO FREQUENCY CIRCUIT AND DEVICE COMPRISING THE SAME
GMT1594-IT-EPT	Italy	THALES DIS FRANCE SA	15 mai 2012	12720520.1	26 mars 2014	2710522	26 déc 2018	502019000022927	15 mai 2032	WIRED CAPACITOR NAMELY FOR RADIO FREQUENCY CIRCUIT AND DEVICE COMPRISING THE SAME
GMT1594-JP-PCT	Japan	THALES DIS FRANCE SA	15 mai 2012	2014510772	26 juin 2014	2014515150	08 janv 2016	5865489	15 mai 2032	WIRED CAPACITOR NAMELY FOR RADIO FREQUENCY CIRCUIT AND DEVICE COMPRISING THE SAME

GMT1594-NL-EPT	Netherlands	THALES DIS FRANCE SA	15 mai 2012	12720520.1	26 mars 2014	2710522	26 déc 2018	2710522	15 mai 2032	WIRED CAPACITOR NAMELY FOR RADIO FREQUENCY CIRCUIT AND DEVICE COMPRISING THE SAME
GMT1594-PL-EPT	Poland	THALES DIS FRANCE SA	15 mai 2012	12720520.1	26 mars 2014	2710522	26 déc 2018	2710522	15 mai 2032	WIRED CAPACITOR NAMELY FOR RADIO FREQUENCY CIRCUIT AND DEVICE COMPRISING THE SAME
GMT1594-US-PCT	United States Of America	THALES DIS FRANCE SA	15 mai 2012	14117921	05 juin 2014	20140152519	02 févr 2016	9252493	13 nov 2032	WIRED CAPACITOR NAMELY FOR RADIO FREQUENCY CIRCUIT AND DEVICE COMPRISING THE SAME
GMT1635-AU-PCT	Australia	THALES DIS FRANCE SA	21 janv 2014	2014214234	23 juil 2015	2014214234	08 mars 2018	2014214234	21 janv 2034	SYSTEM AND METHOD FOR PROVIDING PRIVACY IN SMART METER DEPLOYMENT
GMT1635-CA-PCT	Canada	THALES DIS FRANCE SA	21 janv 2014	2897357	14 août 2014	2897357	21 juil 2020	2897357	21 janv 2034	SYSTEM AND METHOD FOR PROVIDING PRIVACY IN SMART METER DEPLOYMENT
GMT1635-DE-EPT	Germany	THALES DIS FRANCE SA	21 janv 2014	14701061.5	16 déc 2015	2954654	12 août 2020	602014068837.3	21 janv 2034	SYSTEM AND METHOD FOR PROVIDING PRIVACY IN SMART METER DEPLOYMENT
GMT1635-EP-EPT	European Procedure (Patents)	THALES DIS FRANCE SA	21 janv 2014	14701061.5	16 déc 2015	2954654	12 août 2020	2954654	21 janv 2034	SYSTEM AND METHOD FOR PROVIDING PRIVACY IN SMART METER DEPLOYMENT
GMT1635-ES-EPT	Spain	THALES DIS FRANCE SA	21 janv 2014	14701061.5	16 déc 2015	2954654	12 août 2020	2954654	21 janv 2034	SYSTEM AND METHOD FOR PROVIDING PRIVACY IN SMART METER DEPLOYMENT
GMT1635-FR-EPT	France	THALES DIS FRANCE SA	21 janv 2014	14701061.5	16 déc 2015	2954654	12 août 2020	2954654	21 janv 2034	SYSTEM AND METHOD FOR PROVIDING PRIVACY IN SMART METER DEPLOYMENT
GMT1635-GB-EPT	United Kingdom	THALES DIS FRANCE SA	21 janv 2014	14701061.5	16 déc 2015	2954654	12 août 2020	2954654	21 janv 2034	SYSTEM AND METHOD FOR PROVIDING PRIVACY IN SMART METER DEPLOYMENT
GMT1635-IT-EPT	Italy	THALES DIS FRANCE SA	21 janv 2014	14701061.5	16 déc 2015	2954654	12 août 2020	502020009105097	21 janv 2034	SYSTEM AND METHOD FOR PROVIDING PRIVACY IN SMART METER DEPLOYMENT
GMT1635-US-NP	United States Of America	THALES DIS FRANCE SA	06 févr 2013	13760248	07 août 2014	20140223526	18 nov 2014	8893227	06 févr 2033	SYSTEM AND METHOD FOR PROVIDING PRIVACY IN SMART METER DEPLOYMENT
GMT1643-DE-EPT	Germany	THALES DIS FRANCE SA	10 déc 2013	13802067.2	14 oct 2015	2928699	11 avr 2018	602013035825.7	10 déc 2033	SECURE LASER MARKING PERSONALISATION
GMT1643-FR-EPT	France	THALES DIS FRANCE SA	10 déc 2013	13802067.2	14 oct 2015	2928699	11 avr 2018	2928699	10 déc 2033	SECURE LASER MARKING PERSONALISATION
GMT1643-US-PCT	United States Of America	THALES DIS FRANCE SA	10 déc 2013	14651028	19 janv 2017	20170015131	19 déc 2017	9844970	25 mars 2034	SECURE LASER MARKING PERSONALISATION
GMT1654-BR-PCT	Brazil	THALES DIS FRANCE SA	25 nov 2013	BR1120150105670					25 nov 2033	ELECTRONIC MODULE HAVING THREE-DIMENSIONAL COMMUNICATION INTERFACE
GMT1654-CN-PCT	China	THALES DIS FRANCE SA	25 nov 2013	201380061516.0	22 juil 2015	104798087	26 déc 2017	ZL201380061516.0	25 nov 2033	ELECTRONIC MODULE HAVING THREE-DIMENSIONAL COMMUNICATION INTERFACE
GMT1654-EP-EPT	European Procedure (Patents)	THALES DIS FRANCE SA	25 nov 2013	13795493.9	07 oct 2015	2926298			25 nov 2033	ELECTRONIC MODULE HAVING THREE-DIMENSIONAL COMMUNICATION INTERFACE
GMT1654-US-PCT	United States Of America	THALES DIS FRANCE SA	25 nov 2013	14441088	24 sept 2015	20150269473	03 juil 2018	10013651	25 nov 2033	ELECTRONIC MODULE HAVING THREE-DIMENSIONAL COMMUNICATION INTERFACE
GMT1671-BR-PCT	Brazil	THALES DIS FRANCE SA	27 sept 2013	1120150068014					27 sept 2033	METHOD FOR ESTABLISHING A VIRTUAL RELATIONSHIP BETWEEN TWO PERSONS, MEDIA AND CORRESPONDING SYSTEM
GMT1671-CN-PCT	China	THALES DIS FRANCE SA	27 sept 2013	201380050271.1	27 mai 2015	104662866	10 juil 2018	ZL201380050271.1	27 sept 2033	METHOD FOR ESTABLISHING A VIRTUAL RELATIONSHIP BETWEEN TWO PERSONS, MEDIA AND CORRESPONDING SYSTEM

GMT1671-DE-EPT	Germany	THALES DIS FRANCE SA	27 sept 2013	13766572.5	05 août 2015	2901648	02 nov 2016	2901648	27 sept 2033	METHOD FOR ESTABLISHING A VIRTUAL RELATIONSHIP BETWEEN TWO PERSONS, MEDIA AND CORRESPONDING SYSTEM
GMT1671-FR-EPT	France	THALES DIS FRANCE SA	27 sept 2013	13766572.5	05 août 2015	2901648	02 nov 2016	2901648	27 sept 2033	METHOD FOR ESTABLISHING A VIRTUAL RELATIONSHIP BETWEEN TWO PERSONS, MEDIA AND CORRESPONDING SYSTEM
GMT1671-GB-EPT	United Kingdom	THALES DIS FRANCE SA	27 sept 2013	13766572.5	05 août 2015	2901648	02 nov 2016	2901648	27 sept 2033	METHOD FOR ESTABLISHING A VIRTUAL RELATIONSHIP BETWEEN TWO PERSONS, MEDIA AND CORRESPONDING SYSTEM
GMT1671-JP-PCT	Japan	THALES DIS FRANCE SA	27 sept 2013	2015533614	15 oct 2015	2015530842	21 oct 2016	6027252	27 sept 2033	METHOD FOR ESTABLISHING A VIRTUAL RELATIONSHIP BETWEEN TWO PERSONS, MEDIA AND CORRESPONDING SYSTEM
GMT1671-US-PCT	United States Of America	THALES DIS FRANCE SA	27 sept 2013	14429795	03 sept 2015	20150249902	25 août 2020	10756927	27 avr 2034	METHOD FOR ESTABLISHING A VIRTUAL RELATIONSHIP BETWEEN TWO PERSONS, MEDIA AND CORRESPONDING SYSTEM
GMT1690-BR-PCT	Brazil	THALES DIS FRANCE SA	03 juin 2014	BR1120150304974					03 juin 2034	METHOD FOR MANUFACTURING AN ELECTRONIC ANTI-CRACKING DEVICE
GMT1690-CN-PCT	China	THALES DIS FRANCE SA	03 juin 2014	201480044206.2	30 mars 2016	105453115			03 juin 2034	METHOD FOR MANUFACTURING AN ELECTRONIC ANTI-CRACKING DEVICE
GMT1690-EP-EPT	European Procedure (Patents)	THALES DIS FRANCE SA	03 juin 2014	14729629.7	13 avr 2016	3005244			03 juin 2034	METHOD FOR MANUFACTURING AN ELECTRONIC ANTI-CRACKING DEVICE
GMT1690-KR-PCT	South Korea / Republic of Korea	THALES DIS FRANCE SA	03 juin 2014	20177011854	17 mai 2017	20170054535	17 janv 2020	102069747	03 juin 2034	METHOD FOR MANUFACTURING AN ELECTRONIC ANTI-CRACKING DEVICE
GMT1690-SG-PCT	Singapore	THALES DIS FRANCE SA	03 juin 2014	11201509935S			09 avr 2018	11201509935S	03 juin 2034	METHOD FOR MANUFACTURING AN ELECTRONIC ANTI-CRACKING DEVICE
GMT1690-US-PCT	United States Of America	THALES DIS FRANCE SA	03 juin 2014	14896094	05 mai 2016	20160125284	27 août 2019	10395158	03 juin 2034	METHOD FOR MANUFACTURING AN ELECTRONIC ANTI-CRACKING DEVICE
GMT1695-DE-EPT	Germany	THALES DIS FRANCE SA	17 mars 2014	14710323.8	03 févr 2016	2979418	28 nov 2018	602014036880.8	17 mars 2034	METHOD TO ESTABLISH A SECURE VOICE COMMUNICATION USING GENERIC BOOTSTRAPPING ARCHITECTURE
GMT1695-FR-EPT	France	THALES DIS FRANCE SA	17 mars 2014	14710323.8	03 févr 2016	2979418	28 nov 2018	2979418	17 mars 2034	METHOD TO ESTABLISH A SECURE VOICE COMMUNICATION USING GENERIC BOOTSTRAPPING ARCHITECTURE
GMT1695-GB-EPT	United Kingdom	THALES DIS FRANCE SA	17 mars 2014	14710323.8	03 févr 2016	2979418	28 nov 2018	2979418	17 mars 2034	METHOD TO ESTABLISH A SECURE VOICE COMMUNICATION USING GENERIC BOOTSTRAPPING ARCHITECTURE
GMT1695-IT-EPT	Italy	THALES DIS FRANCE SA	17 mars 2014	14710323.8	03 févr 2016	2979418	28 nov 2018	502019000016971	17 mars 2034	METHOD TO ESTABLISH A SECURE VOICE COMMUNICATION USING GENERIC BOOTSTRAPPING ARCHITECTURE
GMT1707-BR-PCT	Brazil	THALES DIS FRANCE SA	19 juin 2014	BR1120150319483					19 juin 2034	METHOD AND DEVICE FOR MANAGING A SUBSCRIBER DEVICE
GMT1707-DE-EPT	Germany	THALES DIS FRANCE SA	19 juin 2014	14731629.3	27 avr 2016	3011771	24 avr 2019	602014045323.6	19 juin 2034	METHOD AND DEVICE FOR MANAGING A SUBSCRIBER DEVICE
GMT1707-ES-EPT	Spain	THALES DIS FRANCE SA	19 juin 2014	14731629.3	27 avr 2016	3011771	24 avr 2019	3011771	19 juin 2034	METHOD AND DEVICE FOR MANAGING A SUBSCRIBER DEVICE
GMT1707-FR-EPT	France	THALES DIS FRANCE SA	19 juin 2014	14731629.3	27 avr 2016	3011771	24 avr 2019	3011771	19 juin 2034	METHOD AND DEVICE FOR MANAGING A SUBSCRIBER DEVICE

GMT1707-GB-EPT	United Kingdom	THALES DIS FRANCE SA	19 juin 2014	14731629.3	27 avr 2016	3011771	24 avr 2019	3011771	19 juin 2034	METHOD AND DEVICE FOR MANAGING A SUBSCRIBER DEVICE
GMT1707-IT-EPT	Italy	THALES DIS FRANCE SA	19 juin 2014	14731629.3	27 avr 2016	3011771	24 avr 2019	502019000054897	19 juin 2034	METHOD AND DEVICE FOR MANAGING A SUBSCRIBER DEVICE
GMT1707-US-PCT	United States Of America	THALES DIS FRANCE SA	19 juin 2014	14898598	12 mai 2016	20160135037	29 nov 2016	9510189	19 juin 2034	METHOD AND DEVICE FOR MANAGING A SUBSCRIBER DEVICE
GMT1712-DE-EPT	Germany	THALES DIS FRANCE SA	09 sept 2013	13759515.3	05 août 2015	2901364	30 nov 2016	602013014791.4	09 sept 2033	METHOD OF CONFIGURING TWO WIRELESS DEVICES
GMT1712-FR-EPT	France	THALES DIS FRANCE SA	09 sept 2013	13759515.3	05 août 2015	2901364	30 nov 2016	2901364	09 sept 2033	METHOD OF CONFIGURING TWO WIRELESS DEVICES
GMT1712-GB-EPT	United Kingdom	THALES DIS FRANCE SA	09 sept 2013	13759515.3	05 août 2015	2901364	30 nov 2016	2901364	09 sept 2033	METHOD OF CONFIGURING TWO WIRELESS DEVICES
GMT1712-KR-PCT	South Korea / Republic of Korea	THALES DIS FRANCE SA	09 sept 2013	20157007204	29 avr 2015	20150046242	17 juin 2016	101633240	09 sept 2033	METHOD OF CONFIGURING TWO WIRELESS DEVICES
GMT1712-US-PCT	United States Of America	THALES DIS FRANCE SA	09 sept 2013	14423716	12 nov 2015	20150326999	31 mai 2016	9357340	09 sept 2033	METHOD OF CONFIGURING TWO WIRELESS DEVICES
GMT1718-DE-EPT	Germany	THALES DIS FRANCE SA	20 déc 2013	13814136.1	28 oct 2015	2936380	29 juil 2020	602013071183.6	20 déc 2033	DATA MEDIUM FOR CONFIGURING A CONFIGURABLE ELECTRONIC DEVICE BY NEAR FIELD COMMUNICATION, AND ASSOCIATED METHOD
GMT1718-EP-EPT	European Procedure (Patents)	THALES DIS FRANCE SA	20 déc 2013	13814136.1	28 oct 2015	2936380	29 juil 2020	2936380	20 déc 2033	DATA MEDIUM FOR CONFIGURING A CONFIGURABLE ELECTRONIC DEVICE BY NEAR FIELD COMMUNICATION, AND ASSOCIATED METHOD
GMT1718-FR-EPT	France	THALES DIS FRANCE SA	20 déc 2013	13814136.1	28 oct 2015	2936380	29 juil 2020	2936380	20 déc 2033	DATA MEDIUM FOR CONFIGURING A CONFIGURABLE ELECTRONIC DEVICE BY NEAR FIELD COMMUNICATION, AND ASSOCIATED METHOD
GMT1718-GB-EPT	United Kingdom	THALES DIS FRANCE SA	20 déc 2013	13814136.1	28 oct 2015	2936380	29 juil 2020	2936380	20 déc 2033	DATA MEDIUM FOR CONFIGURING A CONFIGURABLE ELECTRONIC DEVICE BY NEAR FIELD COMMUNICATION, AND ASSOCIATED METHOD
GMT1718-US-PCT	United States Of America	THALES DIS FRANCE SA	20 déc 2013	14654755	19 nov 2015	20150333796	10 juil 2018	10020846	20 déc 2033	DATA MEDIUM FOR CONFIGURING A CONFIGURABLE ELECTRONIC DEVICE BY NEAR FIELD COMMUNICATION, AND ASSOCIATED METHOD
GMT1731-US-PCT	United States Of America	THALES DIS FRANCE SA	10 déc 2013	14653804	12 nov 2015	20150324682	10 avr 2018	9940567	10 déc 2033	METHOD FOR CONFIGURING A SMART CARD WITH ONLY ONE SELECTED PROCESS FOR THE CONFIGURATION OF A SMART CARD FOR A SINGLE SELECTED APPLICATION
GMT1778-DE-EPT	Germany	THALES DIS FRANCE SA	29 nov 2013	13798331.8	21 oct 2015	2932428	04 janv 2017	602013016278.6	29 nov 2033	METHOD FOR ALLOWING ESTABLISHMENT OF A SECURE SESSION BETWEEN A DEVICE AND A SERVER
GMT1778-FR-EPT	France	THALES DIS FRANCE SA	29 nov 2013	13798331.8	21 oct 2015	2932428	04 janv 2017	2932428	29 nov 2033	METHOD FOR ALLOWING ESTABLISHMENT OF A SECURE SESSION BETWEEN A DEVICE AND A SERVER
GMT1778-GB-EPT	United Kingdom	THALES DIS FRANCE SA	29 nov 2013	13798331.8	21 oct 2015	2932428	04 janv 2017	2932428	29 nov 2033	METHOD FOR ALLOWING ESTABLISHMENT OF A SECURE SESSION BETWEEN A DEVICE AND A SERVER
GMT1778-US-PCT	United States Of America	THALES DIS FRANCE SA	29 nov 2013	14651250	29 oct 2015	20150312252	25 avr 2017	9635022	29 nov 2033	METHOD FOR ALLOWING ESTABLISHMENT OF A SECURE SESSION BETWEEN A DEVICE AND A SERVER

GMT1782-BR-PCT	Brazil	THALES DIS FRANCE SA	07 mai 2014	BR1120150278477					07 mai 2034	METHOD FOR ACCESSING A SERVICE, CORRESPONDING DEVICE AND SYSTEM
GMT1782-CN-PCT	China	THALES DIS FRANCE SA	07 mai 2014	201480038291.1	02 mars 2016	105379314	19 oct 2018	ZL201480038291.1	07 mai 2034	METHOD FOR ACCESSING A SERVICE, CORRESPONDING DEVICE AND SYSTEM
GMT1782-DE-EPT	Germany	THALES DIS FRANCE SA	07 mai 2014	14723053.6	16 mars 2016	2995097	26 déc 2018	602014038586.9	07 mai 2034	METHOD FOR ACCESSING A SERVICE, CORRESPONDING DEVICE AND SYSTEM
GMT1782-DE-ETD	Germany	THALES DIS FRANCE SA	07 mai 2014	18198671.2	20 mars 2019	3457671	16 sept 2020	602014070382.8	07 mai 2034	METHOD FOR ACCESSING A SERVICE, CORRESPONDING DEVICE AND SYSTEM
GMT1782-EP-ETD	European Procedure (Patents)	THALES DIS FRANCE SA	07 mai 2014	18198671.2	20 mars 2019	3457671	16 sept 2020	3457671	07 mai 2034	METHOD FOR ACCESSING A SERVICE, CORRESPONDING DEVICE AND SYSTEM
GMT1782-ES-ETD	Spain	THALES DIS FRANCE SA	07 mai 2014	18198671.2	20 mars 2019	3457671	16 sept 2020	3457671	07 mai 2034	METHOD FOR ACCESSING A SERVICE, CORRESPONDING DEVICE AND SYSTEM
GMT1782-FI-ETD	Finland	THALES DIS FRANCE SA	07 mai 2014	18198671.2	20 mars 2019	3457671	16 sept 2020	3457671	07 mai 2034	METHOD FOR ACCESSING A SERVICE, CORRESPONDING DEVICE AND SYSTEM
GMT1782-FR-EPT	France	THALES DIS FRANCE SA	07 mai 2014	14723053.6	16 mars 2016	2995097	26 déc 2018	2995097	07 mai 2034	METHOD FOR ACCESSING A SERVICE, CORRESPONDING DEVICE AND SYSTEM
GMT1782-FR-ETD	France	THALES DIS FRANCE SA	07 mai 2014	18198671.2	20 mars 2019	3457671	16 sept 2020	3457671	07 mai 2034	METHOD FOR ACCESSING A SERVICE, CORRESPONDING DEVICE AND SYSTEM
GMT1782-GB-EPT	United Kingdom	THALES DIS FRANCE SA	07 mai 2014	14723053.6	16 mars 2016	2995097	26 déc 2018	2995097	07 mai 2034	METHOD FOR ACCESSING A SERVICE, CORRESPONDING DEVICE AND SYSTEM
GMT1782-GB-ETD	United Kingdom	THALES DIS FRANCE SA	07 mai 2014	18198671.2	20 mars 2019	3457671	16 sept 2020	3457671	07 mai 2034	METHOD FOR ACCESSING A SERVICE, CORRESPONDING DEVICE AND SYSTEM
GMT1782-IT-ETD	Italy	THALES DIS FRANCE SA	07 mai 2014	18198671.2	20 mars 2019	3457671	16 sept 2020	502020000119423	07 mai 2034	METHOD FOR ACCESSING A SERVICE, CORRESPONDING DEVICE AND SYSTEM
GMT1782-JP-PCT	Japan	THALES DIS FRANCE SA	07 mai 2014	2016512366	08 sept 2016	2016527738	04 août 2017	6185152	07 mai 2034	METHOD FOR ACCESSING A SERVICE, CORRESPONDING DEVICE AND SYSTEM
GMT1782-KR-PCT	South Korea / Republic of Korea	THALES DIS FRANCE SA	07 mai 2014	20157031982	23 déc 2015	20150143602	24 janv 2017	1701668	07 mai 2034	METHOD FOR ACCESSING A SERVICE, CORRESPONDING DEVICE AND SYSTEM
GMT1782-SE-ETD	Sweden	THALES DIS FRANCE SA	07 mai 2014	18198671.2	20 mars 2019	3457671	16 sept 2020	3457671	07 mai 2034	METHOD FOR ACCESSING A SERVICE, CORRESPONDING DEVICE AND SYSTEM
GMT1782-US-PCT	United States Of America	THALES DIS FRANCE SA	07 mai 2014	14890082	24 mars 2016	20160088096	15 mai 2018	9973583	01 févr 2035	METHOD FOR ACCESSING A SERVICE, CORRESPONDING DEVICE AND SYSTEM
GMT1798-AT-EPT	Austria	THALES DIS FRANCE SA	14 nov 2014	14799739.9	28 sept 2016	3072086	10 mars 2021	3072086	14 nov 2034	SECURITY DOCUMENT AND MANUFACTURING METHOD THEREOF
GMT1798-DE-EPT	Germany	THALES DIS FRANCE SA	14 nov 2014	14799739.9	28 sept 2016	3072086	10 mars 2021	3072086	14 nov 2034	SECURITY DOCUMENT AND MANUFACTURING METHOD THEREOF
GMT1798-EP-EPT	European Procedure (Patents)	THALES DIS FRANCE SA	14 nov 2014	14799739.9	28 sept 2016	3072086	10 mars 2021	3072086	14 nov 2034	SECURITY DOCUMENT AND MANUFACTURING METHOD THEREOF

GMT1798-FR-EPT	France	THALES DIS FRANCE SA	14 nov 2014	14799739.9	28 sept 2016	3072086	10 mars 2021	3072086	14 nov 2034	SECURITY DOCUMENT AND MANUFACTURING METHOD THEREOF
GMT1798-GB-EPT	United Kingdom	THALES DIS FRANCE SA	14 nov 2014	14799739.9	28 sept 2016	3072086	10 mars 2021	3072086	14 nov 2034	SECURITY DOCUMENT AND MANUFACTURING METHOD THEREOF
GMT1798-GR-EPT	Greece	THALES DIS FRANCE SA	14 nov 2014	14799739.9	28 sept 2016	3072086	10 mars 2021	3072086	14 nov 2034	SECURITY DOCUMENT AND MANUFACTURING METHOD THEREOF
GMT1798-IE-EPT	Ireland	THALES DIS FRANCE SA	14 nov 2014	14799739.9	28 sept 2016	3072086	10 mars 2021	3072086	14 nov 2034	SECURITY DOCUMENT AND MANUFACTURING METHOD THEREOF
GMT1798-IT-EPT	Italy	THALES DIS FRANCE SA	14 nov 2014	14799739.9	28 sept 2016	3072086	10 mars 2021	3072086	14 nov 2034	SECURITY DOCUMENT AND MANUFACTURING METHOD THEREOF
GMT1798-NL-EPT	Netherlands	THALES DIS FRANCE SA	14 nov 2014	14799739.9	28 sept 2016	3072086	10 mars 2021	3072086	14 nov 2034	SECURITY DOCUMENT AND MANUFACTURING METHOD THEREOF
GMT1798-SE-EPT	Sweden	THALES DIS FRANCE SA	14 nov 2014	14799739.9	28 sept 2016	3072086	10 mars 2021	3072086	14 nov 2034	SECURITY DOCUMENT AND MANUFACTURING METHOD THEREOF
GMT1798-SI-EPT	Slovenia	THALES DIS FRANCE SA	14 nov 2014	14799739.9	28 sept 2016	3072086	10 mars 2021	3072086	14 nov 2034	SECURITY DOCUMENT AND MANUFACTURING METHOD THEREOF
GMT1798-SK-EPT	Slovakia	THALES DIS FRANCE SA	14 nov 2014	14799739.9	28 sept 2016	3072086	10 mars 2021	3072086	14 nov 2034	SECURITY DOCUMENT AND MANUFACTURING METHOD THEREOF
GMT1812-EP-EPT	European Procedure (Patents)	THALES DIS FRANCE SA	03 déc 2013	13801530.0	21 oct 2015	2932646			03 déc 2033	NON ALTERABLE STRUCTURE INCLUDING CRYPTOGRAPHIC MATERIAL
GMT1812-US-PCT	United States Of America	THALES DIS FRANCE SA	03 déc 2013	14651770	29 oct 2015	20150312033	13 juin 2017	9680638	03 déc 2033	NON ALTERABLE STRUCTURE INCLUDING CRYPTOGRAPHIC MATERIAL
GMT1831-BE-EPT	Belgium	THALES DIS FRANCE SA	10 nov 2014	14796097.5	21 sept 2016	3069304	02 sept 2020	3069304	10 nov 2034	INTERCONNECTED ELECTRONIC DEVICE AND MANUFACTURING METHOD THEREOF
GMT1831-CH-EPT	Switzerland	THALES DIS FRANCE SA	10 nov 2014	14796097.5	21 sept 2016	3069304	02 sept 2020	3069304	10 nov 2034	INTERCONNECTED ELECTRONIC DEVICE AND MANUFACTURING METHOD THEREOF
GMT1831-DE-EPT	Germany	THALES DIS FRANCE SA	10 nov 2014	14796097.5	21 sept 2016	3069304	02 sept 2020	602014069748.8	10 nov 2034	INTERCONNECTED ELECTRONIC DEVICE AND MANUFACTURING METHOD THEREOF
GMT1831-EP-EPT	European Procedure (Patents)	THALES DIS FRANCE SA	10 nov 2014	14796097.5	21 sept 2016	3069304	02 sept 2020	3069304	10 nov 2034	INTERCONNECTED ELECTRONIC DEVICE AND MANUFACTURING METHOD THEREOF
GMT1831-ES-EPT	Spain	THALES DIS FRANCE SA	10 nov 2014	14796097.5	21 sept 2016	3069304	02 sept 2020	3069304	10 nov 2034	INTERCONNECTED ELECTRONIC DEVICE AND MANUFACTURING METHOD THEREOF
GMT1831-FR-EPT	France	THALES DIS FRANCE SA	10 nov 2014	14796097.5	21 sept 2016	3069304	02 sept 2020	3069304	10 nov 2034	INTERCONNECTED ELECTRONIC DEVICE AND MANUFACTURING METHOD THEREOF

GMT1831-GB-EPT	United Kingdom	THALES DIS FRANCE SA	10 nov 2014	14796097.5	21 sept 2016	3069304	02 sept 2020	3069304	10 nov 2034	INTERCONNECTED ELECTRONIC DEVICE AND MANUFACTURING METHOD THEREOF
GMT1831-IT-EPT	Italy	THALES DIS FRANCE SA	10 nov 2014	14796097.5	21 sept 2016	3069304	02 sept 2020	502020000112514	10 nov 2034	INTERCONNECTED ELECTRONIC DEVICE AND MANUFACTURING METHOD THEREOF
GMT1831-NO-EPT	Norway	THALES DIS FRANCE SA	10 nov 2014	14796097.5	21 sept 2016	3069304	02 sept 2020	3069304	10 nov 2034	INTERCONNECTED ELECTRONIC DEVICE AND MANUFACTURING METHOD THEREOF
GMT1831-SE-EPT	Sweden	THALES DIS FRANCE SA	10 nov 2014	14796097.5	21 sept 2016	3069304	02 sept 2020	3069304	10 nov 2034	INTERCONNECTED ELECTRONIC DEVICE AND MANUFACTURING METHOD THEREOF
GMT1843-DE-EPT	Germany	THALES DIS FRANCE SA	06 juin 2014	14728227.1	13 avr 2016	3005761	22 mars 2017	602014007896.6	06 juin 2034	PAIRING DEVICE
GMT1843-FR-EPT	France	THALES DIS FRANCE SA	06 juin 2014	14728227.1	13 avr 2016	3005761	22 mars 2017	3005761	06 juin 2034	PAIRING DEVICE
GMT1843-GB-EPT	United Kingdom	THALES DIS FRANCE SA	06 juin 2014	14728227.1	13 avr 2016	3005761	22 mars 2017	3005761	06 juin 2034	PAIRING DEVICE
GMT1843-US-PCT	United States Of America	THALES DIS FRANCE SA	06 juin 2014	14896641	05 mai 2016	20160127050	01 août 2017	9722710	06 juin 2034	PAIRING DEVICE
GMT1849-DE-EPT	Germany	THALES DIS FRANCE SA	11 juil 2014	14747533.9	29 juin 2016	3036876	27 mars 2019	602014043642.0	11 juil 2034	METHOD FOR ASYNCHRONOUSLY PROVISIONING KEYS FROM ONE SECURE DEVICE TO ANOTHER
GMT1849-ES-EPT	Spain	THALES DIS FRANCE SA	11 juil 2014	14747533.9	29 juin 2016	3036876	27 mars 2019	3036876	11 juil 2034	METHOD FOR ASYNCHRONOUSLY PROVISIONING KEYS FROM ONE SECURE DEVICE TO ANOTHER
GMT1849-FR-EPT	France	THALES DIS FRANCE SA	11 juil 2014	14747533.9	29 juin 2016	3036876	27 mars 2019	3036876	11 juil 2034	METHOD FOR ASYNCHRONOUSLY PROVISIONING KEYS FROM ONE SECURE DEVICE TO ANOTHER
GMT1849-GB-EPT	United Kingdom	THALES DIS FRANCE SA	11 juil 2014	14747533.9	29 juin 2016	3036876	27 mars 2019	3036876	11 juil 2034	METHOD FOR ASYNCHRONOUSLY PROVISIONING KEYS FROM ONE SECURE DEVICE TO ANOTHER
GMT1849-IT-EPT	Italy	THALES DIS FRANCE SA	11 juil 2014	14747533.9	29 juin 2016	3036876	27 mars 2019	502019000045399	11 juil 2034	METHOD FOR ASYNCHRONOUSLY PROVISIONING KEYS FROM ONE SECURE DEVICE TO ANOTHER
GMT1849-NL-EPT	Netherlands	THALES DIS FRANCE SA	11 juil 2014	14747533.9	29 juin 2016	3036876	27 mars 2019	3036876	11 juil 2034	METHOD FOR ASYNCHRONOUSLY PROVISIONING KEYS FROM ONE SECURE DEVICE TO ANOTHER
GMT1849-US-NP	United States Of America	THALES DIS FRANCE SA	19 août 2013	13969903	19 févr 2015	20150052359	01 sept 2015	9124563	17 sept 2033	METHOD FOR ASYNCHRONOUSLY PROVISIONING KEYS FROM ONE SECURE DEVICE TO ANOTHER
GMT1850-DE-EPT	Germany	THALES DIS FRANCE SA	03 mars 2014	14707997.4	03 févr 2016	2979375	30 nov 2016	602014005217.7	03 mars 2034	METHOD FOR NEGOCIATION OF A PARAMETER OF AN OPTICAL COMMUNICATION PROTOCOL BETWEEN TWO DEVICES
GMT1850-FR-EPT	France	THALES DIS FRANCE SA	03 mars 2014	14707997.4	03 févr 2016	2979375	30 nov 2016	2979375	03 mars 2034	METHOD FOR NEGOCIATION OF A PARAMETER OF AN OPTICAL COMMUNICATION PROTOCOL BETWEEN TWO DEVICES
GMT1850-GB-EPT	United Kingdom	THALES DIS FRANCE SA	03 mars 2014	14707997.4	03 févr 2016	2979375	30 nov 2016	2979375	03 mars 2034	METHOD FOR NEGOCIATION OF A PARAMETER OF AN OPTICAL COMMUNICATION PROTOCOL BETWEEN TWO DEVICES
GMT1850-US-PCT	United States Of America	THALES DIS FRANCE SA	03 mars 2014	14771644	07 janv 2016	20160006506	12 juil 2016	9391701	03 mars 2034	METHOD FOR NEGOCIATION OF A PARAMETER OF AN OPTICAL COMMUNICATION PROTOCOL BETWEEN TWO DEVICES
GMT1862-AE-PCT	United Arab Emirates	THALES DIS FRANCE SA	14 févr 2014	P107815			19 mai 2020	2304	14 févr 2034	METHOD FOR ALLOWING A WEB SERVER TO DETECT THE LOGOUT OF A DISTANT TOKEN
GMT1862-FR-EPT	France	THALES DIS FRANCE SA	14 févr 2014	14704369.9	06 janv 2016	2962443	25 janv 2017	2962443	14 févr 2034	METHOD FOR ALLOWING A WEB SERVER TO DETECT THE LOGOUT OF A DISTANT TOKEN
GMT1862-GB-EPT	United Kingdom	THALES DIS FRANCE SA	14 févr 2014	14704369.9	06 janv 2016	2962443	25 janv 2017	2962443	14 févr 2034	METHOD FOR ALLOWING A WEB SERVER TO DETECT THE LOGOUT OF A DISTANT TOKEN

GMT1862-LU-EPT	Luxembourg	THALES DIS FRANCE SA	14 févr 2014	14704369.9	06 janv 2016	2962443	25 janv 2017	2962443	14 févr 2034	METHOD FOR ALLOWING A WEB SERVER TO DETECT THE LOGOUT OF A DISTANT TOKEN
GMT1862-NL-EPT	Netherlands	THALES DIS FRANCE SA	14 févr 2014	14704369.9	06 janv 2016	2962443	25 janv 2017	2962443	14 févr 2034	METHOD FOR ALLOWING A WEB SERVER TO DETECT THE LOGOUT OF A DISTANT TOKEN
GMT1862-QA-PCT	Qatar	THALES DIS FRANCE SA	14 févr 2014	20150700308						METHOD FOR ALLOWING A WEB SERVER TO DETECT THE LOGOUT OF A DISTANT TOKEN
GMT1862-SA-PCT	Saudi Arabia	THALES DIS FRANCE SA	14 févr 2014	515360814			28 mai 2017	5372	14 févr 2034	METHOD FOR ALLOWING A WEB SERVER TO DETECT THE LOGOUT OF A DISTANT TOKEN
GMT1862-SE-EPT	Sweden	THALES DIS FRANCE SA	14 févr 2014	14704369.9	06 janv 2016	2962443	25 janv 2017	2962443	14 févr 2034	METHOD FOR ALLOWING A WEB SERVER TO DETECT THE LOGOUT OF A DISTANT TOKEN
GMT1877-EP-EPT	European Procedure (Patents)	THALES DIS FRANCE SA	04 juil 2014	14738461.4	18 mai 2016	3020068			04 juil 2034	ELECTRONIC MODULE AND MANUFACTURING METHOD THEREOF
GMT1890-DE-EPT	Germany	THALES DIS FRANCE SA	02 avr 2014	14718016.0	24 févr 2016	2987075	21 nov 2018	602014036429.2	02 avr 2034	METHOD TO SECURELY EXECUTE A MODULAR EXPONENTIATION
GMT1890-FR-EPT	France	THALES DIS FRANCE SA	02 avr 2014	14718016.0	24 févr 2016	2987075	21 nov 2018	2987075	02 avr 2034	METHOD TO SECURELY EXECUTE A MODULAR EXPONENTIATION
GMT1890-GB-EPT	United Kingdom	THALES DIS FRANCE SA	02 avr 2014	14718016.0	24 févr 2016	2987075	21 nov 2018	2987075	02 avr 2034	METHOD TO SECURELY EXECUTE A MODULAR EXPONENTIATION
GMT1896-DE-EPT	Germany	THALES DIS FRANCE SA	02 avr 2014	14714712.8	30 mars 2016	3000072	20 févr 2019	3000072	02 avr 2034	SECURE PLATFORM IMPLEMENTING DYNAMIC COUNTERMEASURES
GMT1896-FR-EPT	France	THALES DIS FRANCE SA	02 avr 2014	14714712.8	30 mars 2016	3000072	20 févr 2019	3000072	02 avr 2034	SECURE PLATFORM IMPLEMENTING DYNAMIC COUNTERMEASURES
GMT1896-GB-EPT	United Kingdom	THALES DIS FRANCE SA	02 avr 2014	14714712.8	30 mars 2016	3000072	20 févr 2019	3000072	02 avr 2034	SECURE PLATFORM IMPLEMENTING DYNAMIC COUNTERMEASURES
GMT1896-JP-PCT	Japan	THALES DIS FRANCE SA	02 avr 2014	2016510976	12 août 2016	2016524211	14 avr 2017	612303	02 avr 2034	SECURE PLATFORM IMPLEMENTING DYNAMIC COUNTERMEASURES
GMT1896-KR-PCT	South Korea / Republic of Korea	THALES DIS FRANCE SA	02 avr 2014	20157033011	28 déc 2015	20150144794	19 mai 2017	101739924	02 avr 2034	SECURE PLATFORM IMPLEMENTING DYNAMIC COUNTERMEASURES
GMT1896-US-PCT	United States Of America	THALES DIS FRANCE SA	02 avr 2014	14888347	10 mars 2016	20160070909	28 août 2018	10061920	10 sept 2034	SECURE PLATFORM IMPLEMENTING DYNAMIC COUNTERMEASURES
GMT1901-CN-PCT	China	THALES DIS FRANCE SA	17 oct 2014	201480067535.9	15 févr 2017	106416169	14 janv 2020	ZL201480067535.9	17 oct 2034	METHOD OF MANAGING COMMUNICATION BETWEEN A SECURE ELEMENT AND A HOST DEVICE
GMT1901-DE-EPT	Germany	THALES DIS FRANCE SA	17 oct 2014	14787146.1	19 oct 2016	3080960	25 déc 2019	3080960	17 oct 2034	METHOD OF MANAGING COMMUNICATION BETWEEN A SECURE ELEMENT AND A HOST DEVICE
GMT1901-ES-EPT	Spain	THALES DIS FRANCE SA	17 oct 2014	14787146.1	19 oct 2016	3080960	25 déc 2019	3080960	17 oct 2034	METHOD OF MANAGING COMMUNICATION BETWEEN A SECURE ELEMENT AND A HOST DEVICE
GMT1901-FR-EPT	France	THALES DIS FRANCE SA	17 oct 2014	14787146.1	19 oct 2016	3080960	25 déc 2019	3080960	17 oct 2034	METHOD OF MANAGING COMMUNICATION BETWEEN A SECURE ELEMENT AND A HOST DEVICE
GMT1901-GB-EPT	United Kingdom	THALES DIS FRANCE SA	17 oct 2014	14787146.1	19 oct 2016	3080960	25 déc 2019	3080960	17 oct 2034	METHOD OF MANAGING COMMUNICATION BETWEEN A SECURE ELEMENT AND A HOST DEVICE
GMT1901-IT-EPT	Italy	THALES DIS FRANCE SA	17 oct 2014	14787146.1	19 oct 2016	3080960	25 déc 2019	502020000026026	17 oct 2034	METHOD OF MANAGING COMMUNICATION BETWEEN A SECURE ELEMENT AND A HOST DEVICE
GMT1901-US-PCT	United States Of America	THALES DIS FRANCE SA	17 oct 2014	15102121			09 janv 2018	9867045	17 oct 2034	METHOD OF MANAGING COMMUNICATION BETWEEN A SECURE ELEMENT AND A HOST DEVICE

GMT1903-BR-PCT	Brazil	THALES DIS FRANCE SA	24 sept 2014	20160064453					24 sept 2034	METHOD FOR SECURING OVER-THE-AIR COMMUNICATION BETWEEN A MOBILE APPLICATION AND A GATEWAY
GMT1903-CN-PCT	China	THALES DIS FRANCE SA	24 sept 2014	201480059023.8	15 juin 2016	105684346	19 nov 2019	ZL201480059023.8	24 sept 2034	METHOD FOR SECURING OVER-THE-AIR COMMUNICATION BETWEEN A MOBILE APPLICATION AND A GATEWAY
GMT1903-DE-EPT	Germany	THALES DIS FRANCE SA	24 sept 2014	14781833.0	03 août 2016	3050247	24 juin 2020	602014067014.8	24 sept 2034	METHOD FOR SECURING OVER-THE-AIR COMMUNICATION BETWEEN A MOBILE APPLICATION AND A GATEWAY
GMT1903-EP-EPT	European Procedure (Patents)	THALES DIS FRANCE SA	24 sept 2014	14781833.0	03 août 2016	3050247	24 juin 2020	3050247	24 sept 2034	METHOD FOR SECURING OVER-THE-AIR COMMUNICATION BETWEEN A MOBILE APPLICATION AND A GATEWAY
GMT1903-FR-EPT	France	THALES DIS FRANCE SA	24 sept 2014	14781833.0	03 août 2016	3050247	24 juin 2020	3050247	24 sept 2034	METHOD FOR SECURING OVER-THE-AIR COMMUNICATION BETWEEN A MOBILE APPLICATION AND A GATEWAY
GMT1903-GB-EPT	United Kingdom	THALES DIS FRANCE SA	24 sept 2014	14781833.0	03 août 2016	3050247	24 juin 2020	3050247	24 sept 2034	METHOD FOR SECURING OVER-THE-AIR COMMUNICATION BETWEEN A MOBILE APPLICATION AND A GATEWAY
GMT1903-JP-PCT	Japan	THALES DIS FRANCE SA	24 sept 2014	2016517299			24 mai 2019	6531092	24 sept 2034	METHOD FOR SECURING OVER-THE-AIR COMMUNICATION BETWEEN A MOBILE APPLICATION AND A GATEWAY
GMT1903-SG-PCT	Singapore	THALES DIS FRANCE SA	24 sept 2014	11201602030Y	28 avr 2016	11201602030Y	08 oct 2019	11201602030Y	24 sept 2034	METHOD FOR SECURING OVER-THE-AIR COMMUNICATION BETWEEN A MOBILE APPLICATION AND A GATEWAY
GMT1903-US-PCT	United States Of America	THALES DIS FRANCE SA	24 sept 2014	15025280	11 août 2016	20160232523			24 sept 2034	METHOD FOR SECURING OVER-THE-AIR COMMUNICATION BETWEEN A MOBILE APPLICATION AND A GATEWAY
GMT1914-EP-EPT	European Procedure (Patents)	THALES DIS FRANCE SA	02 juin 2014	14730111.3	13 avr 2016	3005245	06 janv 2021	3005245	02 juin 2034	METHOD FOR MANUFACTURING A RADIO FREQUENCY DEVICE MAINTAINING ANISOTROPIC CONNECTION DEVICE
GMT1914-US-PCT	United States Of America	THALES DIS FRANCE SA	02 juin 2014	14896159	19 mai 2016	20160140431	16 oct 2018	10102468	02 juin 2034	METHOD FOR MANUFACTURING A RADIO FREQUENCY DEVICE MAINTAINING ANISOTROPIC CONNECTION DEVICE
GMT1924-DE-EPT	Germany	THALES DIS FRANCE SA	08 juil 2014	14736822.9	29 juin 2016	3036927	17 mai 2017	602014009963.7	08 juil 2034	CONTACTLESS COMMUNICATION OBJECT ABLE TO COMMUNICATE WITH AN NFC READER
GMT1924-ES-EPT	Spain	THALES DIS FRANCE SA	08 juil 2014	14736822.9	29 juin 2016	3036927	17 mai 2017	3036927	08 juil 2034	CONTACTLESS COMMUNICATION OBJECT ABLE TO COMMUNICATE WITH AN NFC READER
GMT1924-FR-EPT	France	THALES DIS FRANCE SA	08 juil 2014	14736822.9	29 juin 2016	3036927	17 mai 2017	3036927	08 juil 2034	CONTACTLESS COMMUNICATION OBJECT ABLE TO COMMUNICATE WITH AN NFC READER
GMT1924-GB-EPT	United Kingdom	THALES DIS FRANCE SA	08 juil 2014	14736822.9	29 juin 2016	3036927	17 mai 2017	3036927	08 juil 2034	CONTACTLESS COMMUNICATION OBJECT ABLE TO COMMUNICATE WITH AN NFC READER
GMT1924-IT-EPT	Italy	THALES DIS FRANCE SA	08 juil 2014	14736822.9	29 juin 2016	3036927	17 mai 2017	502017000087292	08 juil 2034	CONTACTLESS COMMUNICATION OBJECT ABLE TO COMMUNICATE WITH AN NFC READER
GMT1924-NL-EPT	Netherlands	THALES DIS FRANCE SA	08 juil 2014	14736822.9	29 juin 2016	3036927	17 mai 2017	3036927	08 juil 2034	CONTACTLESS COMMUNICATION OBJECT ABLE TO COMMUNICATE WITH AN NFC READER
GMT1924-PL-EPT	Poland	THALES DIS FRANCE SA	08 juil 2014	14736822.9	29 juin 2016	3036927	17 mai 2017	3036927	08 juil 2034	CONTACTLESS COMMUNICATION OBJECT ABLE TO COMMUNICATE WITH AN NFC READER
GMT1936-EP-EPT	European Procedure (Patents)	THALES DIS FRANCE SA	04 juil 2014	14736389.9	11 mai 2016	3017563	03 mars 2021	3017563	04 juil 2034	METHOD OF PRIVACY PRESERVING DURING AN ACCESS TO A RESTRICTED SERVICE
GMT1936-US-PCT	United States Of America	THALES DIS FRANCE SA	04 juil 2014	14903036	16 juin 2016	20160171240	03 sept 2019	10402583	06 août 2034	METHOD OF PRIVACY PRESERVING DURING AN ACCESS TO A RESTRICTED SERVICE

GMT1945-DE-EPT	Germany	THALES DIS FRANCE SA	18 nov 2014	14803080.2	26 oct 2016	3084670	01 mai 2019	602014045889.0	18 nov 2034	A BIOMETRIC DATA PRE-CHECK PROCESS TO OPTIMIZE PERSONALIZATION TIME
GMT1945-FR-EPT	France	THALES DIS FRANCE SA	18 nov 2014	14803080.2	26 oct 2016	3084670	01 mai 2019	3084670	18 nov 2034	A BIOMETRIC DATA PRE-CHECK PROCESS TO OPTIMIZE PERSONALIZATION TIME
GMT1945-GB-EPT	United Kingdom	THALES DIS FRANCE SA	18 nov 2014	14803080.2	26 oct 2016	3084670	01 mai 2019	3084670	18 nov 2034	A BIOMETRIC DATA PRE-CHECK PROCESS TO OPTIMIZE PERSONALIZATION TIME
GMT1946-DE-EPT	Germany	THALES DIS FRANCE SA	11 juil 2014	14738526.4	20 juil 2016	3044716	22 mai 2019	602014047217.6	11 juil 2034	SERVER USING UNPREDICTABLE SCRAMBLED COOKIE NAMES
GMT1946-FR-EPT	France	THALES DIS FRANCE SA	11 juil 2014	14738526.4	20 juil 2016	3044716	22 mai 2019	3044716	11 juil 2034	SERVER USING UNPREDICTABLE SCRAMBLED COOKIE NAMES
GMT1946-GB-EPT	United Kingdom	THALES DIS FRANCE SA	11 juil 2014	14738526.4	20 juil 2016	3044716	22 mai 2019	3044716	11 juil 2034	SERVER USING UNPREDICTABLE SCRAMBLED COOKIE NAMES
GMT1946-US-PCT	United States Of America	THALES DIS FRANCE SA	11 juil 2014	14917856	04 août 2016	20160226832	23 oct 2018	10110567	09 oct 2034	SERVER USING UNPREDICTABLE SCRAMBLED COOKIE NAMES
GMT1947-CN-PCT	China	THALES DIS FRANCE SA	26 juin 2014	201480040334.X	02 mars 2016	105378748	01 juin 2018	ZL201480040334.X	26 juin 2034	METHOD FOR TRANSFERRING USER DATA BETWEEN TWO INSTANCES OF AN APPLICATION
GMT1947-DE-EPT	Germany	THALES DIS FRANCE SA	26 juin 2014	14732887.6	25 mai 2016	3022678	11 sept 2019	602014053419.8	26 juin 2034	METHOD FOR TRANSFERRING USER DATA BETWEEN TWO INSTANCES OF AN APPLICATION
GMT1947-FR-EPT	France	THALES DIS FRANCE SA	26 juin 2014	14732887.6	25 mai 2016	3022678	11 sept 2019	3022678	26 juin 2034	METHOD FOR TRANSFERRING USER DATA BETWEEN TWO INSTANCES OF AN APPLICATION
GMT1947-GB-EPT	United Kingdom	THALES DIS FRANCE SA	26 juin 2014	14732887.6	25 mai 2016	3022678	11 sept 2019	3022678	26 juin 2034	METHOD FOR TRANSFERRING USER DATA BETWEEN TWO INSTANCES OF AN APPLICATION
GMT1947-US-PCT	United States Of America	THALES DIS FRANCE SA	26 juin 2014	14902689	16 juin 2016	20160171207	08 mai 2018	9965615	15 juil 2034	METHOD FOR TRANSFERRING USER DATA BETWEEN TWO INSTANCES OF AN APPLICATION
GMT1959-CN-PCT	China	THALES DIS FRANCE SA	26 juin 2014	201480036601.6	17 févr 2016	105339964			26 juin 2034	METHOD, DEVICE AND SYSTEM FOR ACCESSING A CONTACT-LESS SERVICE
GMT1959-EP-EPT	European Procedure (Patents)	THALES DIS FRANCE SA	26 juin 2014	14734453.5	04 mai 2016	3014541			26 juin 2034	METHOD, DEVICE AND SYSTEM FOR ACCESSING A CONTACT-LESS SERVICE
GMT1960-CN-PCT	China	THALES DIS FRANCE SA	15 sept 2015	201580051025.7	18 août 2017	107079294	28 juil 2020	ZL201580051025.7	15 sept 2035	METHOD FOR DETECTING DYNAMICALLY THAT SECURE ELEMENTS ARE ELIGIBLE TO AN OTA CAMPAIGN AND CORRESPONDING OTA SERVER
GMT1960-DE-EPT	Germany	THALES DIS FRANCE SA	15 sept 2015	15763903.0	02 août 2017	3198912	06 févr 2019	602015024386.2	15 sept 2035	METHOD FOR DETECTING DYNAMICALLY THAT SECURE ELEMENTS ARE ELIGIBLE TO AN OTA CAMPAIGN AND CORRESPONDING OTA SERVER
GMT1960-EP-EPT	European Procedure (Patents)	THALES DIS FRANCE SA	15 sept 2015	15763903.0	02 août 2017	3198912	06 févr 2019	3198912	15 sept 2035	METHOD FOR DETECTING DYNAMICALLY THAT SECURE ELEMENTS ARE ELIGIBLE TO AN OTA CAMPAIGN AND CORRESPONDING OTA SERVER
GMT1960-ES-EPT	Spain	THALES DIS FRANCE SA	15 sept 2015	15763903.0	02 août 2017	3198912	06 févr 2019	3198912	15 sept 2035	METHOD FOR DETECTING DYNAMICALLY THAT SECURE ELEMENTS ARE ELIGIBLE TO AN OTA CAMPAIGN AND CORRESPONDING OTA SERVER
GMT1960-FR-EPT	France	THALES DIS FRANCE SA	15 sept 2015	15763903.0	02 août 2017	3198912	06 févr 2019	3198912	15 sept 2035	METHOD FOR DETECTING DYNAMICALLY THAT SECURE ELEMENTS ARE ELIGIBLE TO AN OTA CAMPAIGN AND CORRESPONDING OTA SERVER
GMT1960-GB-EPT	United Kingdom	THALES DIS FRANCE SA	15 sept 2015	15763903.0	02 août 2017	3198912	06 févr 2019	3198912	15 sept 2035	METHOD FOR DETECTING DYNAMICALLY THAT SECURE ELEMENTS ARE ELIGIBLE TO AN OTA CAMPAIGN AND CORRESPONDING OTA SERVER
GMT1960-IT-EPT	Italy	THALES DIS FRANCE SA	15 sept 2015	15763903.0	02 août 2017	3198912	06 févr 2019	502019000030968	15 sept 2035	METHOD FOR DETECTING DYNAMICALLY THAT SECURE ELEMENTS ARE ELIGIBLE TO AN OTA CAMPAIGN AND CORRESPONDING OTA SERVER
GMT1960-JP-PCT	Japan	THALES DIS FRANCE SA	15 sept 2015	2017513677	19 oct 2017	2017531380	18 mai 2018	6339740	15 sept 2035	METHOD FOR DETECTING DYNAMICALLY THAT SECURE ELEMENTS ARE ELIGIBLE TO AN OTA CAMPAIGN AND CORRESPONDING OTA SERVER

GMT1960-KR-PCT	South Korea / Republic of Korea	THALES DIS FRANCE SA	15 sept 2015	20177007765	25 avr 2017	20170044704	23 août 2018	1893314	15 sept 2035	METHOD FOR DETECTING DYNAMICALLY THAT SECURE ELEMENTS ARE ELIGIBLE TO AN OTA CAMPAIGN AND CORRESPONDING OTA SERVER
GMT1960-NL-EPT	Netherlands	THALES DIS FRANCE SA	15 sept 2015	15763903.0	02 août 2017	3198912	06 févr 2019	3198912	15 sept 2035	METHOD FOR DETECTING DYNAMICALLY THAT SECURE ELEMENTS ARE ELIGIBLE TO AN OTA CAMPAIGN AND CORRESPONDING OTA SERVER
GMT1960-TR-EPT	Turkey	THALES DIS FRANCE SA	15 sept 2015	15763903.0	02 août 2017	3198912	06 févr 2019	201905994	15 sept 2035	METHOD FOR DETECTING DYNAMICALLY THAT SECURE ELEMENTS ARE ELIGIBLE TO AN OTA CAMPAIGN AND CORRESPONDING OTA SERVER
GMT1960-US-PCT	United States Of America	THALES DIS FRANCE SA	15 sept 2015	15512876	12 oct 2017	20170295449	12 déc 2017	9843884	15 sept 2035	METHOD FOR DETECTING DYNAMICALLY THAT SECURE ELEMENTS ARE ELIGIBLE TO AN OTA CAMPAIGN AND CORRESPONDING OTA SERVER
GMT1964-DE-EPT	Germany	THALES DIS FRANCE SA	09 sept 2014	14761644.5	27 juil 2016	3047660	19 août 2020	602014069162.5	09 sept 2034	Method of communicating between a server and a secure element
GMT1964-EP-EPT	European Procedure (Patents)	THALES DIS FRANCE SA	09 sept 2014	14761644.5	27 juil 2016	3047660	19 août 2020	3047660	09 sept 2034	Method of communicating between a server and a secure element
GMT1964-ES-EPT	Spain	THALES DIS FRANCE SA	09 sept 2014	14761644.5	27 juil 2016	3047660	19 août 2020	3047660	09 sept 2034	Method of communicating between a server and a secure element
GMT1964-FR-EPT	France	THALES DIS FRANCE SA	09 sept 2014	14761644.5	27 juil 2016	3047660	19 août 2020	3047660	09 sept 2034	Method of communicating between a server and a secure element
GMT1964-GB-EPT	United Kingdom	THALES DIS FRANCE SA	09 sept 2014	14761644.5	27 juil 2016	3047660	19 août 2020	3047660	09 sept 2034	Method of communicating between a server and a secure element
GMT1964-IT-EPT	Italy	THALES DIS FRANCE SA	09 sept 2014	14761644.5	27 juil 2016	3047660	19 août 2020	3047660	09 sept 2034	Method of communicating between a server and a secure element
GMT1964-JP-PCT	Japan	THALES DIS FRANCE SA	09 sept 2014	2016539577	23 mai 2016		15 déc 2017	6259919	09 sept 2034	Method of communicating between a server and a secure element
GMT1964-US-PCT	United States Of America	THALES DIS FRANCE SA	09 sept 2014	15022485	11 août 2016	20160234013	24 juil 2018	10033528	10 févr 2035	Method of communicating between a server and a secure element
GMT1968-BR-PCT	Brazil	THALES DIS FRANCE SA	22 déc 2014	20160150651					22 déc 2034	METHOD FOR TRANSMITTING PUSH MESSAGES
GMT1968-DE-EPT	Germany	THALES DIS FRANCE SA	22 déc 2014	14828159.5	09 nov 2016	3090522	23 mai 2018	602014025961.8	22 déc 2034	METHOD FOR TRANSMITTING PUSH MESSAGES
GMT1968-FR-EPT	France	THALES DIS FRANCE SA	22 déc 2014	14828159.5	09 nov 2016	3090522	23 mai 2018	3090522	22 déc 2034	METHOD FOR TRANSMITTING PUSH MESSAGES
GMT1968-GB-EPT	United Kingdom	THALES DIS FRANCE SA	22 déc 2014	14828159.5	09 nov 2016	3090522	23 mai 2018	3090522	22 déc 2034	METHOD FOR TRANSMITTING PUSH MESSAGES
GMT1968-IT-EPT	Italy	THALES DIS FRANCE SA	22 déc 2014	14828159.5	09 nov 2016	3090522	23 mai 2018	502018000031829	22 déc 2034	METHOD FOR TRANSMITTING PUSH MESSAGES
GMT1969-EP-EPT	European Procedure (Patents)	THALES DIS FRANCE SA	31 oct 2014	14792511.9	21 sept 2016	3069277			31 oct 2034	METHOD FOR SPREADING ELEMENTARY CELLS IN INTEGRATED CIRCUIT
GMT1975-DE-EPT	Germany	THALES DIS FRANCE SA	31 août 2015	15756174.7	19 juil 2017	3191936	13 mars 2019	602015026402.9	31 août 2035	SYSTEM AND METHOD FOR ONE-TIME CHINESE-REMAINDER-THEOREM EXPONENTIATION FOR CRYPTOGRAPHIC ALGORITHMS
GMT1975-ES-EPT	Spain	THALES DIS FRANCE SA	31 août 2015	15756174.7	19 juil 2017	3191936	13 mars 2019	3191936	31 août 2035	SYSTEM AND METHOD FOR ONE-TIME CHINESE-REMAINDER-THEOREM EXPONENTIATION FOR CRYPTOGRAPHIC ALGORITHMS
GMT1975-FR-EPT	France	THALES DIS FRANCE SA	31 août 2015	15756174.7	19 juil 2017	3191936	13 mars 2019	3191936	31 août 2035	SYSTEM AND METHOD FOR ONE-TIME CHINESE-REMAINDER-THEOREM EXPONENTIATION FOR CRYPTOGRAPHIC ALGORITHMS
GMT1975-GB-EPT	United Kingdom	THALES DIS FRANCE SA	31 août 2015	15756174.7	19 juil 2017	3191936	13 mars 2019	3191936	31 août 2035	SYSTEM AND METHOD FOR ONE-TIME CHINESE-REMAINDER-THEOREM EXPONENTIATION FOR CRYPTOGRAPHIC ALGORITHMS

GMT1975-JP-PCT	Japan	THALES DIS FRANCE SA	31 août 2015	2017513499	14 sept 2017	2017526981			31 août 2035	SYSTEM AND METHOD FOR ONE-TIME CHINESE-REMAINDER-THEOREM EXPONENTIATION FOR CRYPTOGRAPHIC ALGORITHMS
GMT1975-NL-EPT	Netherlands	THALES DIS FRANCE SA	31 août 2015	15756174.7	19 juil 2017	3191936	13 mars 2019	3191936	31 août 2035	SYSTEM AND METHOD FOR ONE-TIME CHINESE-REMAINDER-THEOREM EXPONENTIATION FOR CRYPTOGRAPHIC ALGORITHMS
GMT1975-US-PCT	United States Of America	THALES DIS FRANCE SA	31 août 2015	15509310	07 sept 2017	20170257211	30 avr 2019	10277393	21 sept 2035	SYSTEM AND METHOD FOR ONE-TIME CHINESE-REMAINDER-THEOREM EXPONENTIATION FOR CRYPTOGRAPHIC ALGORITHMS
GMT1979-CN-PCT	China	THALES DIS FRANCE SA	17 déc 2014	201480070488.3	14 sept 2016	105940692	09 juil 2019	ZL201480070488.3	17 déc 2034	METHOD FOR ACCESSING A SERVICE, CORRESPONDING DEVICE AND SYSTEM
GMT1979-DE-EPT	Germany	THALES DIS FRANCE SA	17 déc 2014	14824813.1	02 nov 2016	3087767	18 oct 2017	3087767	17 déc 2034	METHOD FOR ACCESSING A SERVICE, CORRESPONDING DEVICE AND SYSTEM
GMT1979-EP-EPT	European Procedure (Patents)	THALES DIS FRANCE SA	17 déc 2014	14824813.1	02 nov 2016	3087767	18 oct 2017	3087767	17 déc 2034	METHOD FOR ACCESSING A SERVICE, CORRESPONDING DEVICE AND SYSTEM
GMT1979-ES-EPT	Spain	THALES DIS FRANCE SA	17 déc 2014	14824813.1	02 nov 2016	3087767	18 oct 2017	3087767	17 déc 2034	METHOD FOR ACCESSING A SERVICE, CORRESPONDING DEVICE AND SYSTEM
GMT1979-FR-EPT	France	THALES DIS FRANCE SA	17 déc 2014	14824813.1	02 nov 2016	3087767	18 oct 2017	3087767	17 déc 2034	METHOD FOR ACCESSING A SERVICE, CORRESPONDING DEVICE AND SYSTEM
GMT1979-GB-EPT	United Kingdom	THALES DIS FRANCE SA	17 déc 2014	14824813.1	02 nov 2016	3087767	18 oct 2017	3087767	17 déc 2034	METHOD FOR ACCESSING A SERVICE, CORRESPONDING DEVICE AND SYSTEM
GMT1979-IT-EPT	Italy	THALES DIS FRANCE SA	17 déc 2014	14824813.1	02 nov 2016	3087767	18 oct 2017	502018000002127	17 déc 2034	METHOD FOR ACCESSING A SERVICE, CORRESPONDING DEVICE AND SYSTEM
GMT1979-JP-PCT	Japan	THALES DIS FRANCE SA	17 déc 2014	2016542259	25 avr 2017	201770044704	14 sept 2018	6401280	17 déc 2034	METHOD FOR ACCESSING A SERVICE, CORRESPONDING DEVICE AND SYSTEM
GMT1979-KR-PCT	South Korea / Republic of Korea	THALES DIS FRANCE SA	17 déc 2014	20167016493	25 juil 2016	20160088417	22 nov 2017	1802685	17 déc 2034	METHOD FOR ACCESSING A SERVICE, CORRESPONDING DEVICE AND SYSTEM
GMT1979-US-PCT	United States Of America	THALES DIS FRANCE SA	17 déc 2014	15107412	05 janv 2017	20170006464	04 avr 2017	9615244	17 déc 2034	METHOD FOR ACCESSING A SERVICE, CORRESPONDING DEVICE AND SYSTEM
GMT1984-BR-PCT	Brazil	THALES DIS FRANCE SA	01 sept 2014	20160038193					01 sept 2034	METHOD FOR AUTHENTICATING TRANSACTIONS
GMT1984-CN-PCT	China	THALES DIS FRANCE SA	01 sept 2014	201480053689.2	18 mai 2016	105593883	11 févr 2020	ZL201480053689.2	01 sept 2034	METHOD FOR AUTHENTICATING TRANSACTIONS
GMT1984-DE-EPT	Germany	THALES DIS FRANCE SA	01 sept 2014	14758392.6	06 juil 2016	3039627	01 janv 2020	3039627	01 sept 2034	METHOD FOR AUTHENTICATING TRANSACTIONS
GMT1984-FR-EPT	France	THALES DIS FRANCE SA	01 sept 2014	14758392.6	06 juil 2016	3039627	01 janv 2020	3039627	01 sept 2034	METHOD FOR AUTHENTICATING TRANSACTIONS
GMT1984-GB-EPT	United Kingdom	THALES DIS FRANCE SA	01 sept 2014	14758392.6	06 juil 2016	3039627	01 janv 2020	3039627	01 sept 2034	METHOD FOR AUTHENTICATING TRANSACTIONS
GMT1984-JP-PCT	Japan	THALES DIS FRANCE SA	01 sept 2014	2016537325	04 nov 2016	2016534459	14 sept 2018	6401278	01 sept 2034	METHOD FOR AUTHENTICATING TRANSACTIONS
GMT1984-SG-PCT	Singapore	THALES DIS FRANCE SA	01 sept 2014	11201600918P			28 mai 2018	11201600918P	01 sept 2034	METHOD FOR AUTHENTICATING TRANSACTIONS
GMT1984-US-PCT	United States Of America	THALES DIS FRANCE SA	01 sept 2014	14915413	14 juil 2016	20160203468			01 sept 2034	METHOD FOR AUTHENTICATING TRANSACTIONS
GMT1998-CN-PCT	China	THALES DIS FRANCE SA	26 nov 2014	201480070906.9	09 nov 2016	106104474	17 mars 2020	ZL201480070906.9	26 nov 2034	METHOD FOR UPDATING A FIRMWARE ON A LOW MEMORY DEVICE
GMT1998-DE-EPT	Germany	THALES DIS FRANCE SA	26 nov 2014	14808878.4	02 nov 2016	3087478	25 oct 2017	602014016387.4	26 nov 2034	METHOD FOR UPDATING A FIRMWARE ON A LOW MEMORY DEVICE
GMT1998-ES-EPT	Spain	THALES DIS FRANCE SA	26 nov 2014	14808878.4	02 nov 2016	3087478	25 oct 2017	3087478	26 nov 2034	METHOD FOR UPDATING A FIRMWARE ON A LOW MEMORY DEVICE

GMT1998- FI-EPT	Finland	THALES DIS FRANCE SA	26 nov 2014	14808878.4	02 nov 2016	3087478	25 oct 2017	3087478	26 nov 2034	METHOD FOR UPDATING A FIRMWARE ON A LOW MEMORY DEVICE
GMT1998- FR-EPT	France	THALES DIS FRANCE SA	26 nov 2014	14808878.4	02 nov 2016	3087478	25 oct 2017	3087478	26 nov 2034	METHOD FOR UPDATING A FIRMWARE ON A LOW MEMORY DEVICE
GMT1998- GB-EPT	United Kingdom	THALES DIS FRANCE SA	26 nov 2014	14808878.4	02 nov 2016	3087478	25 oct 2017	3087478	26 nov 2034	METHOD FOR UPDATING A FIRMWARE ON A LOW MEMORY DEVICE
GMT1998- IT-EPT	Italy	THALES DIS FRANCE SA	26 nov 2014	14808878.4	02 nov 2016	3087478	25 oct 2017	502018000002606	26 nov 2034	METHOD FOR UPDATING A FIRMWARE ON A LOW MEMORY DEVICE
GMT1998- NL-EPT	Netherlands	THALES DIS FRANCE SA	26 nov 2014	14808878.4	02 nov 2016	3087478	25 oct 2017	3087478	26 nov 2034	METHOD FOR UPDATING A FIRMWARE ON A LOW MEMORY DEVICE
GMT1998- SE-EPT	Sweden	THALES DIS FRANCE SA	26 nov 2014	14808878.4	02 nov 2016	3087478	25 oct 2017	3087478	26 nov 2034	METHOD FOR UPDATING A FIRMWARE ON A LOW MEMORY DEVICE
GMT1998- US-PCT	United States Of America	THALES DIS FRANCE SA	26 nov 2014	15108308	03 nov 2016	20160321003	18 févr 2020	10564873	01 déc 2034	METHOD FOR UPDATING A FIRMWARE ON A LOW MEMORY DEVICE
GMT2009- DE-EPT	Germany	THALES DIS FRANCE SA	26 sept 2014	14776869.1	05 oct 2016	3074911	04 déc 2019	602014057852.7	26 sept 2034	METHOD FOR LOADING A NATIVE CODE ON A SECURE ELEMENT
GMT2009- ES-EPT	Spain	THALES DIS FRANCE SA	26 sept 2014	14776869.1	05 oct 2016	3074911	04 déc 2019	3074911	26 sept 2034	METHOD FOR LOADING A NATIVE CODE ON A SECURE ELEMENT
GMT2009- FR-EPT	France	THALES DIS FRANCE SA	26 sept 2014	14776869.1	05 oct 2016	3074911	04 déc 2019	3074911	26 sept 2034	METHOD FOR LOADING A NATIVE CODE ON A SECURE ELEMENT
GMT2009- GB-EPT	United Kingdom	THALES DIS FRANCE SA	26 sept 2014	14776869.1	05 oct 2016	3074911	04 déc 2019	3074911	26 sept 2034	METHOD FOR LOADING A NATIVE CODE ON A SECURE ELEMENT
GMT2009- IT-EPT	Italy	THALES DIS FRANCE SA	26 sept 2014	14776869.1	05 oct 2016	3074911	04 déc 2019	502020000019771	26 sept 2034	METHOD FOR LOADING A NATIVE CODE ON A SECURE ELEMENT
GMT2009- US-PCT	United States Of America	THALES DIS FRANCE SA	26 sept 2014	15100313	29 mai 2016	201602998832	06 nov 2018	10120780	04 oct 2034	METHOD FOR LOADING A NATIVE CODE ON A SECURE ELEMENT
GMT2032- DE-EPT	Germany	THALES DIS FRANCE SA	19 déc 2014	14815743.1	09 nov 2016	3090376	04 mars 2020	602014061940.1	19 déc 2034	METHOD FOR ACCESSING A SERVICE AND A CORRESPONDING SERVER
GMT2032- ES-EPT	Spain	THALES DIS FRANCE SA	19 déc 2014	14815743.1	09 nov 2016	3090376	04 mars 2020	3090376	19 déc 2034	METHOD FOR ACCESSING A SERVICE AND A CORRESPONDING SERVER
GMT2032- FR-EPT	France	THALES DIS FRANCE SA	19 déc 2014	14815743.1	09 nov 2016	3090376	04 mars 2020	3090376	19 déc 2034	METHOD FOR ACCESSING A SERVICE AND A CORRESPONDING SERVER
GMT2032- GB-EPT	United Kingdom	THALES DIS FRANCE SA	19 déc 2014	14815743.1	09 nov 2016	3090376	04 mars 2020	3090376	19 déc 2034	METHOD FOR ACCESSING A SERVICE AND A CORRESPONDING SERVER
GMT2032- IT-EPT	Italy	THALES DIS FRANCE SA	19 déc 2014	14815743.1	09 nov 2016	3090376	04 mars 2020	502020000050393	19 déc 2034	METHOD FOR ACCESSING A SERVICE AND A CORRESPONDING SERVER
GMT2032- US-PCT	United States Of America	THALES DIS FRANCE SA	19 déc 2014	15108600	10 nov 2016	20160330196	03 mars 2020	10581836	22 avr 2035	METHOD FOR ACCESSING A SERVICE AND A CORRESPONDING SERVER
GMT2042- DE-EPT	Germany	THALES DIS FRANCE SA	19 sept 2014	14771298.8	03 août 2016	3050003	29 août 2018	602014031378.7	19 sept 2034	ELECTRONIC MODULE WITHOUT DIELECTRIC FILM AND MANUFACTURING METHOD THEREOF
GMT2042- ES-EPT	Spain	THALES DIS FRANCE SA	19 sept 2014	14771298.8	03 août 2016	3050003	29 août 2018	3050003	19 sept 2034	ELECTRONIC MODULE WITHOUT DIELECTRIC FILM AND MANUFACTURING METHOD THEREOF
GMT2042- FR-EPT	France	THALES DIS FRANCE SA	19 sept 2014	14771298.8	03 août 2016	3050003	29 août 2018	3050003	19 sept 2034	ELECTRONIC MODULE WITHOUT DIELECTRIC FILM AND MANUFACTURING METHOD THEREOF
GMT2042- GB-EPT	United Kingdom	THALES DIS FRANCE SA	19 sept 2014	14771298.8	03 août 2016	3050003	29 août 2018	3050003	19 sept 2034	ELECTRONIC MODULE WITHOUT DIELECTRIC FILM AND MANUFACTURING METHOD THEREOF

GMT2042-US-PCT	United States Of America	THALES DIS FRANCE SA	19 sept 2014	15025063	08 sept 2016	20160260005	06 juin 2017	9672461	19 sept 2034	ELECTRONIC MODULE WITHOUT DIELECTRIC FILM AND MANUFACTURING METHOD THEREOF
GMT2047-BR-PCT	Brazil	THALES DIS FRANCE SA	21 oct 2014	BR112016010050.6					21 oct 2034	SERVER AND METHOD FOR SECURE AND ECONOMICAL SHARING OF DATA
GMT2047-CA-PCT	Canada	THALES DIS FRANCE SA	21 oct 2014	2926309	07 mai 2015	2926309	12 nov 2019	2926309	21 oct 2034	SERVER AND METHOD FOR SECURE AND ECONOMICAL SHARING OF DATA
GMT2047-DE-EPT	Germany	THALES DIS FRANCE SA	21 oct 2014	14786900.2	14 sept 2016	3066609	16 déc 2020	3066609	21 oct 2034	SERVER AND METHOD FOR SECURE AND ECONOMICAL SHARING OF DATA
GMT2047-EP-EPT	European Procedure (Patents)	THALES DIS FRANCE SA	21 oct 2014	14786900.2	14 sept 2016	3066609	16 déc 2020	3066609	21 oct 2034	SERVER AND METHOD FOR SECURE AND ECONOMICAL SHARING OF DATA
GMT2047-ES-EPT	Spain	THALES DIS FRANCE SA	21 oct 2014	14786900.2	14 sept 2016	3066609	16 déc 2020	3066609	21 oct 2034	SERVER AND METHOD FOR SECURE AND ECONOMICAL SHARING OF DATA
GMT2047-FR-EPT	France	THALES DIS FRANCE SA	21 oct 2014	14786900.2	14 sept 2016	3066609	16 déc 2020	3066609	21 oct 2034	SERVER AND METHOD FOR SECURE AND ECONOMICAL SHARING OF DATA
GMT2047-GB-EPT	United Kingdom	THALES DIS FRANCE SA	21 oct 2014	14786900.2	14 sept 2016	3066609	16 déc 2020	3066609	21 oct 2034	SERVER AND METHOD FOR SECURE AND ECONOMICAL SHARING OF DATA
GMT2047-US-NP	United States Of America	THALES DIS FRANCE SA	04 nov 2013	14071179	07 mai 2015	20150127937	18 avr 2017	9626527	18 févr 2034	SERVER & METHOD FOR SECURE AND ECONOMICAL SHARING OF DATA
GMT2051-DE-EPT	Germany	THALES DIS FRANCE SA	16 déc 2014	14812545.3	16 nov 2016	3092604	09 déc 2020	602014073 31.3	16 déc 2034	ELECTRONIC MODULE, METHOD FOR MANUFACTURING, AND ELECTRONIC DEVICE INCLUDING SUCH MODULE
GMT2051-EP-EPT	European Procedure (Patents)	THALES DIS FRANCE SA	16 déc 2014	14812545.3	16 nov 2016	3092604	09 déc 2020	3092604	16 déc 2034	ELECTRONIC MODULE, METHOD FOR MANUFACTURING, AND ELECTRONIC DEVICE INCLUDING SUCH MODULE
GMT2051-FR-EPT	France	THALES DIS FRANCE SA	16 déc 2014	14812545.3	16 nov 2016	3092604	09 déc 2020	3092604	16 déc 2034	ELECTRONIC MODULE, METHOD FOR MANUFACTURING, AND ELECTRONIC DEVICE INCLUDING SUCH MODULE
GMT2051-GB-EPT	United Kingdom	THALES DIS FRANCE SA	16 déc 2014	14812545.3	16 nov 2016	3092604	09 déc 2020	3092604	16 déc 2034	ELECTRONIC MODULE, METHOD FOR MANUFACTURING, AND ELECTRONIC DEVICE INCLUDING SUCH MODULE
GMT2051-US-PCT	United States Of America	THALES DIS FRANCE SA	16 déc 2014	15109687	10 nov 2016	20160330841	27 oct 2020	10820418	27 oct 2035	ELECTRONIC MODULE, METHOD FOR MANUFACTURING, AND ELECTRONIC DEVICE INCLUDING SUCH MODULE
GMT2065-DE-EPT	Germany	THALES DIS FRANCE SA	28 nov 2014	14808906.3	09 nov 2016	3090520	03 janv 2018	602014019526.1	28 nov 2034	SYSTEM AND METHOD FOR SECURING MACHINE-TO-MACHINE COMMUNICATIONS
GMT2065-ES-EPT	Spain	THALES DIS FRANCE SA	28 nov 2014	14808906.3	09 nov 2016	3090520	03 janv 2018	3090520	28 nov 2034	SYSTEM AND METHOD FOR SECURING MACHINE-TO-MACHINE COMMUNICATIONS
GMT2065-FI-EPT	Finland	THALES DIS FRANCE SA	28 nov 2014	14808906.3	09 nov 2016	3090520	03 janv 2018	3090520	28 nov 2034	SYSTEM AND METHOD FOR SECURING MACHINE-TO-MACHINE COMMUNICATIONS
GMT2065-FR-EPT	France	THALES DIS FRANCE SA	28 nov 2014	14808906.3	09 nov 2016	3090520	03 janv 2018	3090520	28 nov 2034	SYSTEM AND METHOD FOR SECURING MACHINE-TO-MACHINE COMMUNICATIONS
GMT2065-GB-EPT	United Kingdom	THALES DIS FRANCE SA	28 nov 2014	14808906.3	09 nov 2016	3090520	03 janv 2018	3090520	28 nov 2034	SYSTEM AND METHOD FOR SECURING MACHINE-TO-MACHINE COMMUNICATIONS
GMT2065-IT-EPT	Italy	THALES DIS FRANCE SA	28 nov 2014	14808906.3	09 nov 2016	3090520	03 janv 2018	502018000009794	28 nov 2034	SYSTEM AND METHOD FOR SECURING MACHINE-TO-MACHINE COMMUNICATIONS
GMT2065-NL-EPT	Netherlands	THALES DIS FRANCE SA	28 nov 2014	14808906.3	09 nov 2016	3090520	03 janv 2018	3090520	28 nov 2034	SYSTEM AND METHOD FOR SECURING MACHINE-TO-MACHINE COMMUNICATIONS
GMT2065-NO-EPT	Norway	THALES DIS FRANCE SA	28 nov 2014	14808906.3	09 nov 2016	3090520	03 janv 2018	3090520	28 nov 2034	SYSTEM AND METHOD FOR SECURING MACHINE-TO-MACHINE COMMUNICATIONS
GMT2065-SE-EPT	Sweden	THALES DIS FRANCE SA	28 nov 2014	14808906.3	09 nov 2016	3090520	03 janv 2018	3090520	28 nov 2034	SYSTEM AND METHOD FOR SECURING MACHINE-TO-MACHINE COMMUNICATIONS

GMT2065-US-PCT	United States Of America	THALES DIS FRANCE SA	28 nov 2014	15109401	17 nov 2016	20160337354	03 avr 2018	9935954	24 avr 2035	SYSTEM AND METHOD FOR SECURING MACHINE-TO-MACHINE COMMUNICATIONS
GMT2070-DE-EPT	Germany	THALES DIS FRANCE SA	23 oct 2014	14796442.3	21 sept 2016	3069461	05 sept 2018	602014031896.7	23 oct 2034	METHOD TO SECURELY ENCRYPT A SENSITIVE DATA
GMT2070-FR-EPT	France	THALES DIS FRANCE SA	23 oct 2014	14796442.3	21 sept 2016	3069461	05 sept 2018	3069461	23 oct 2034	METHOD TO SECURELY ENCRYPT A SENSITIVE DATA
GMT2070-GB-EPT	United Kingdom	THALES DIS FRANCE SA	23 oct 2014	14796442.3	21 sept 2016	3069461	05 sept 2018	3069461	23 oct 2034	METHOD TO SECURELY ENCRYPT A SENSITIVE DATA
GMT2098-DE-EPT	Germany	THALES DIS FRANCE SA	07 oct 2014	14781191.3	07 sept 2016	3063956	06 déc 2017	602014018243.7	07 oct 2034	METHOD OF COMMUNICATING BETWEEN TWO DEVICES
GMT2098-ES-EPT	Spain	THALES DIS FRANCE SA	07 oct 2014	14781191.3	07 sept 2016	3063956	06 déc 2017	3063956	07 oct 2034	METHOD OF COMMUNICATING BETWEEN TWO DEVICES
GMT2098-FI-EPT	Finland	THALES DIS FRANCE SA	07 oct 2014	14781191.3	07 sept 2016	3063956	06 déc 2017	3063956	07 oct 2034	METHOD OF COMMUNICATING BETWEEN TWO DEVICES
GMT2098-FR-EPT	France	THALES DIS FRANCE SA	07 oct 2014	14781191.3	07 sept 2016	3063956	06 déc 2017	3063956	07 oct 2034	METHOD OF COMMUNICATING BETWEEN TWO DEVICES
GMT2098-GB-EPT	United Kingdom	THALES DIS FRANCE SA	07 oct 2014	14781191.3	07 sept 2016	3063956	06 déc 2017	3063956	07 oct 2034	METHOD OF COMMUNICATING BETWEEN TWO DEVICES
GMT2098-IT-EPT	Italy	THALES DIS FRANCE SA	07 oct 2014	14781191.3	07 sept 2016	3063956	06 déc 2017	3063956	07 oct 2034	METHOD OF COMMUNICATING BETWEEN TWO DEVICES
GMT2098-NO-EPT	Norway	THALES DIS FRANCE SA	07 oct 2014	14781191.3	07 sept 2016	3063956	06 déc 2017	3063956	07 oct 2034	METHOD OF COMMUNICATING BETWEEN TWO DEVICES
GMT2098-SW-EPT	Sweden	THALES DIS FRANCE SA	07 oct 2014	14781191.3	07 sept 2016	3063956	06 déc 2017	3063956	07 oct 2034	METHOD OF COMMUNICATING BETWEEN TWO DEVICES
GMT2098-US-PCT	United States Of America	THALES DIS FRANCE SA	07 oct 2014	15028321	01 sept 2016	20160255156	14 févr 2017	9571583	07 oct 2034	METHOD OF COMMUNICATING BETWEEN TWO DEVICES
GMT2100-DE-EPT	Germany	THALES DIS FRANCE SA	03 déc 2014	14805936.3	26 oct 2016	3083169	04 avr 2018	602014023449.6	03 déc 2034	METHOD AND DEVICE FOR PUTTING IN PLACE A PIECE OF MATERIAL INTO A CAVITY MADE IN A THIN-LAYER PRODUCT
GMT2100-FI-EPT	Finland	THALES DIS FRANCE SA	03 déc 2014	14805936.3	26 oct 2016	3083169	04 avr 2018	3083169	03 déc 2034	METHOD AND DEVICE FOR PUTTING IN PLACE A PIECE OF MATERIAL INTO A CAVITY MADE IN A THIN-LAYER PRODUCT
GMT2100-FR-EPT	France	THALES DIS FRANCE SA	03 déc 2014	14805936.3	26 oct 2016	3083169	04 avr 2018	3083169	03 déc 2034	METHOD AND DEVICE FOR PUTTING IN PLACE A PIECE OF MATERIAL INTO A CAVITY MADE IN A THIN-LAYER PRODUCT
GMT2100-GB-EPT	United Kingdom	THALES DIS FRANCE SA	03 déc 2014	14805936.3	26 oct 2016	3083169	04 avr 2018	3083169	03 déc 2034	METHOD AND DEVICE FOR PUTTING IN PLACE A PIECE OF MATERIAL INTO A CAVITY MADE IN A THIN-LAYER PRODUCT
GMT2100-JP-PCT	Japan	THALES DIS FRANCE SA	03 déc 2014	2016540583	26 janv 2017	2017503263	06 oct 2017	6219524	03 déc 2034	METHOD AND DEVICE FOR PUTTING IN PLACE A PIECE OF MATERIAL INTO A CAVITY MADE IN A THIN-LAYER PRODUCT
GMT2100-KR-PCT	South Korea / Republic of Korea	THALES DIS FRANCE SA	03 déc 2014	20167018680			07 mars 2018	101838423	03 déc 2034	METHOD AND DEVICE FOR PUTTING IN PLACE A PIECE OF MATERIAL INTO A CAVITY MADE IN A THIN-LAYER PRODUCT
GMT2100-PL-EPT	Poland	THALES DIS FRANCE SA	03 déc 2014	14805936.3	26 oct 2016	3083169	04 avr 2018	3083169	03 déc 2034	METHOD AND DEVICE FOR PUTTING IN PLACE A PIECE OF MATERIAL INTO A CAVITY MADE IN A THIN-LAYER PRODUCT
GMT2100-SG-PCT	Singapore	THALES DIS FRANCE SA	03 déc 2014	11201604665T	28 juil 2016	11201604665T	06 mars 2018	11201604665T	03 déc 2034	METHOD AND DEVICE FOR PUTTING IN PLACE A PIECE OF MATERIAL INTO A CAVITY MADE IN A THIN-LAYER PRODUCT
GMT2100-US-PCT	United States Of America	THALES DIS FRANCE SA	03 déc 2014	15104916	03 nov 2016	20160318203			15 juil 2036	METHOD AND DEVICE FOR PUTTING IN PLACE A PIECE OF MATERIAL INTO A CAVITY MADE IN A THIN-LAYER PRODUCT

GMT2142-US-PCT	United States Of America	MULTOS LTD,THALES DIS FRANCE SA	03 déc 2014	15105562	03 nov 2016	20160321053	17 déc 2019	10509636	26 sept 2036	SYSTEM, METHOD AND PERSONALIZABLE PORTABLE DEVICE IN WHICH APPLICATION CODE LIBRARIES ARE DISTRIBUTED IN A COMPRESSED FORM
GMT2152-US-PCT	United States Of America	THALES DIS FRANCE SA	17 avr 2015	15304782	09 févr 2017	20170039464	03 juil 2018	10013648	17 avr 2035	METHOD FOR MANUFACTURING A DEVICE WITH AN ELECTRICAL/ELECTRONIC CIRCUIT
GMT2166-US-NP	United States Of America	THALES DIS FRANCE SA	28 oct 2010	12914774			19 févr 2013	8378815	26 août 2031	ASSET TRACKING WITH ERROR ADAPTIVE BOUNDARY
GMT2172-US-PCT	United States Of America	THALES DIS FRANCE SA	01 déc 2014	15100693	10 nov 2016	20160330195	05 mai 2020	10645077	20 mai 2035	SYSTEM AND METHOD FOR SECURING OFFLINE USAGE OF A CERTIFICATE BY OTP SYSTEM
GMT2217-DE-EPT	Germany	THALES DIS FRANCE SA	20 févr 2015	15707072.3	04 janv 2017	3111584	14 août 2019	602015035763.9	20 févr 2035	METHOD TO AUTHENTICATE TWO DEVICES TO ESTABLISH A SECURE CHANNEL
GMT2217-FR-EPT	France	THALES DIS FRANCE SA	20 févr 2015	15707072.3	04 janv 2017	3111584	14 août 2019	3111584	20 févr 2035	METHOD TO AUTHENTICATE TWO DEVICES TO ESTABLISH A SECURE CHANNEL
GMT2217-GB-EPT	United Kingdom	THALES DIS FRANCE SA	20 févr 2015	15707072.3	04 janv 2017	3111584	14 août 2019	3111584	20 févr 2035	METHOD TO AUTHENTICATE TWO DEVICES TO ESTABLISH A SECURE CHANNEL
GMT2217-US-PCT	United States Of America	THALES DIS FRANCE SA	20 févr 2015	15121910	19 janv 2017	20170019256	21 mai 2019	10298394	20 févr 2035	METHOD TO AUTHENTICATE TWO DEVICES TO ESTABLISH A SECURE CHANNEL
GMT2221-BE-EPT	Belgium	THALES DIS FRANCE SA	20 oct 2015	15787162.5	30 août 2017	3210359	01 août 2018	3210359	20 oct 2035	METHOD FOR ACCESSING A SERVICE, CORRESPONDING FIRST DEVICE, SECOND DEVICE AND SYSTEM
GMT2221-CN-PCT	China	THALES DIS FRANCE SA	20 oct 2015	201580069687.7	01 août 2017	107005573	28 juil 2020	ZL201580069687.7	20 oct 2035	METHOD FOR ACCESSING A SERVICE, CORRESPONDING FIRST DEVICE, SECOND DEVICE AND SYSTEM
GMT2221-DE-EPT	Germany	THALES DIS FRANCE SA	20 oct 2015	15787162.5	30 août 2017	3210359	01 août 2018	602015014425.2	20 oct 2035	METHOD FOR ACCESSING A SERVICE, CORRESPONDING FIRST DEVICE, SECOND DEVICE AND SYSTEM
GMT2221-GB-EPT	United Kingdom	THALES DIS FRANCE SA	20 oct 2015	15787162.5	30 août 2017	3210359	01 août 2018	3210359	20 oct 2035	METHOD FOR ACCESSING A SERVICE, CORRESPONDING FIRST DEVICE, SECOND DEVICE AND SYSTEM
GMT2221-JP-PCT	Japan	THALES DIS FRANCE SA	20 oct 2015	2017521226	30 nov 2017	2017536030	11 janv 2019	6462121	20 oct 2035	METHOD FOR ACCESSING A SERVICE, CORRESPONDING FIRST DEVICE, SECOND DEVICE AND SYSTEM
GMT2221-KR-PCT	South Korea / Republic of Korea	THALES DIS FRANCE SA	20 oct 2015	20177013644	26 juin 2017	20170072290	14 juin 2019	101991600	20 oct 2035	METHOD FOR ACCESSING A SERVICE, CORRESPONDING FIRST DEVICE, SECOND DEVICE AND SYSTEM
GMT2221-MX-PCT	Mexico	THALES DIS FRANCE SA	20 oct 2015	MX2017005182	14 déc 2017	2017005182	05 nov 2019	369305	20 oct 2035	METHOD FOR ACCESSING A SERVICE, CORRESPONDING FIRST DEVICE, SECOND DEVICE AND SYSTEM
GMT2221-NL-EPT	Netherlands	THALES DIS FRANCE SA	20 oct 2015	15787162.5	30 août 2017	3210359	01 août 2018	3210359	20 oct 2035	METHOD FOR ACCESSING A SERVICE, CORRESPONDING FIRST DEVICE, SECOND DEVICE AND SYSTEM
GMT2221-SE-EPT	Sweden	THALES DIS FRANCE SA	20 oct 2015	15787162.5	30 août 2017	3210359	01 août 2018	3210359	20 oct 2035	METHOD FOR ACCESSING A SERVICE, CORRESPONDING FIRST DEVICE, SECOND DEVICE AND SYSTEM
GMT2221-US-PCT	United States Of America	THALES DIS FRANCE SA	20 oct 2015	15520747	26 oct 2017	20170310654	16 avr 2019	10263973	20 oct 2035	METHOD FOR ACCESSING A SERVICE, CORRESPONDING FIRST DEVICE, SECOND DEVICE AND SYSTEM
GMT2222-CN-PCT	China	THALES DIS FRANCE SA	19 juin 2014	201480039154.X	24 févr 2016	105359630	19 avr 2019	201480039154.X	19 juin 2034	ELECTRONIC MODULE WITHOUT DIELECTRIC FILM AND MANUFACTURING METHOD THEREOF

GMT2222-DE-EPT	Germany	THALES DIS FRANCE SA	19 juin 2014	14731636.8	18 mai 2016	3020256	27 févr 2019	602014041800.7	19 juin 2034	ELECTRONIC MODULE WITHOUT DIELECTRIC FILM AND MANUFACTURING METHOD THEREOF
GMT2222-FR-EPT	France	THALES DIS FRANCE SA	19 juin 2014	14731636.8	18 mai 2016	3020256	27 févr 2019	3020256	19 juin 2034	ELECTRONIC MODULE WITHOUT DIELECTRIC FILM AND MANUFACTURING METHOD THEREOF
GMT2222-GB-EPT	United Kingdom	THALES DIS FRANCE SA	19 juin 2014	14731636.8	18 mai 2016	3020256	27 févr 2019	3020256	19 juin 2034	ELECTRONIC MODULE WITHOUT DIELECTRIC FILM AND MANUFACTURING METHOD THEREOF
GMT2222-KR-PCT	South Korea / Republic of Korea	THALES DIS FRANCE SA	19 juin 2014	20167000577	17 févr 2016	20160018777	19 mars 2019	101961529	19 juin 2034	ELECTRONIC MODULE WITHOUT DIELECTRIC FILM AND MANUFACTURING METHOD THEREOF
GMT2222-SG-PCT	Singapore	THALES DIS FRANCE SA	19 juin 2014	11201510464U			04 mai 2017	11201510464U	19 juin 2034	ELECTRONIC MODULE WITHOUT DIELECTRIC FILM AND MANUFACTURING METHOD THEREOF
GMT2222-US-PCT	United States Of America	THALES DIS FRANCE SA	19 juin 2014	14903770	23 juin 2016	20160183377	02 oct 2018	10091883	10 août 2034	ELECTRONIC MODULE WITHOUT DIELECTRIC FILM AND MANUFACTURING METHOD THEREOF
GMT2286-BR-PCT	Brazil	THALES DIS FRANCE SA	23 janv 2015	BR1120160160878					23 janv 2035	METHOD OF MANAGING SEVERAL PROFILES IN A SECURE ELEMENT
GMT2286-CN-PCT	China	THALES DIS FRANCE SA	23 janv 2015	201580008955.4	28 sept 2016	105981416	02 août 2019	ZL201580008955.4	23 janv 2035	METHOD OF MANAGING SEVERAL PROFILES IN A SECURE ELEMENT
GMT2286-DE-EPT	Germany	THALES DIS FRANCE SA	23 janv 2015	15702199.9	28 déc 2016	3108674	14 août 2019	602015035755.8	23 janv 2035	METHOD OF MANAGING SEVERAL PROFILES IN A SECURE ELEMENT
GMT2286-ES-EPT	Spain	THALES DIS FRANCE SA	23 janv 2015	15702199.9	28 déc 2016	3108674	14 août 2019	3108674	23 janv 2035	METHOD OF MANAGING SEVERAL PROFILES IN A SECURE ELEMENT
GMT2286-FR-EPT	France	THALES DIS FRANCE SA	23 janv 2015	15702199.9	28 déc 2016	3108674	14 août 2019	3108674	23 janv 2035	METHOD OF MANAGING SEVERAL PROFILES IN A SECURE ELEMENT
GMT2286-GB-EPT	United Kingdom	THALES DIS FRANCE SA	23 janv 2015	15702199.9	28 déc 2016	3108674	14 août 2019	3108674	23 janv 2035	METHOD OF MANAGING SEVERAL PROFILES IN A SECURE ELEMENT
GMT2286-IT-EPT	Italy	THALES DIS FRANCE SA	23 janv 2015	15702199.9	28 déc 2016	3108674	14 août 2019	502019000084356	23 janv 2035	METHOD OF MANAGING SEVERAL PROFILES IN A SECURE ELEMENT
GMT2286-KR-PCT	South Korea / Republic of Korea	THALES DIS FRANCE SA	23 janv 2015	20167022329			18 janv 2018	101821914	23 janv 2035	METHOD OF MANAGING SEVERAL PROFILES IN A SECURE ELEMENT
GMT2286-MX-PCT	Mexico	THALES DIS FRANCE SA	23 janv 2015	MXA2016009875	31 oct 2017	MXA2016009875	11 sept 2020	375090	23 janv 2035	METHOD OF MANAGING SEVERAL PROFILES IN A SECURE ELEMENT
GMT2286-NL-EPT	Netherlands	THALES DIS FRANCE SA	23 janv 2015	15702199.9	28 déc 2016	3108674	14 août 2019	3108674	23 janv 2035	METHOD OF MANAGING SEVERAL PROFILES IN A SECURE ELEMENT
GMT2286-US-PCT	United States Of America	THALES DIS FRANCE SA	23 janv 2015	15117005	15 juin 2017	20170171738	16 janv 2018	9872167	23 janv 2035	METHOD OF MANAGING SEVERAL PROFILES IN A SECURE ELEMENT
GMT2287-DE-EPT	Germany	THALES DIS FRANCE SA	24 mars 2015	15718451.6	08 mars 2017	3138360	28 févr 2018	3138360	24 mars 2035	METHOD OF MANAGING PROFILES IN A TOKEN
GMT2287-FR-EPT	France	THALES DIS FRANCE SA	24 mars 2015	15718451.6	08 mars 2017	3138360	28 févr 2018	3138360	24 mars 2035	METHOD OF MANAGING PROFILES IN A TOKEN
GMT2287-GB-EPT	United Kingdom	THALES DIS FRANCE SA	24 mars 2015	15718451.6	08 mars 2017	3138360	28 févr 2018	3138360	24 mars 2035	METHOD OF MANAGING PROFILES IN A TOKEN
GMT2318-CN-PCT	China	THALES DIS FRANCE SA	28 oct 2016	201680064526.3	31 juil 2018	108352374			28 oct 2036	METHOD FOR MANUFACTURING A DEVICE WITH INTEGRATED-CIRCUIT CHIP BY DIRECT DEPOSIT OF CONDUCTIVE MATERIAL

GMT2318-EP-EPT	European Procedure (Patents)	THALES DIS FRANCE SA	28 oct 2016	16788523.5	12 sept 2018	3371826			28 oct 2036	METHOD FOR MANUFACTURING A DEVICE WITH INTEGRATED-CIRCUIT CHIP BY DIRECT DEPOSIT OF CONDUCTIVE MATERIAL
GMT2318-US-PCT	United States Of America	THALES DIS FRANCE SA	28 oct 2016	15773673	08 nov 2018	20180323139	19 mai 2020	10658283	28 oct 2036	METHOD FOR MANUFACTURING A DEVICE WITH INTEGRATED-CIRCUIT CHIP BY DIRECT DEPOSIT OF CONDUCTIVE MATERIAL
GMT2326-CN-NP	China	THALES DIS FRANCE SA	12 août 2014	201410393526.0	17 févr 2016	105337944	21 févr 2020	ZL201410393526.0	12 août 2034	METHOD OF MANAGING SEVERAL PROFILES IN A SECURE ELEMENT
GMT2326-DE-EPT	Germany	THALES DIS FRANCE SA	03 juil 2015	15738870.3	21 juin 2017	3180735	28 août 2019	602015036715.4	03 juil 2035	METHOD OF MANAGING SEVERAL PROFILES IN A SECURE ELEMENT
GMT2326-ES-EPT	Spain	THALES DIS FRANCE SA	03 juil 2015	15738870.3	21 juin 2017	3180735	28 août 2019	3180735	03 juil 2035	METHOD OF MANAGING SEVERAL PROFILES IN A SECURE ELEMENT
GMT2326-FR-EPT	France	THALES DIS FRANCE SA	03 juil 2015	15738870.3	21 juin 2017	3180735	28 août 2019	3180735	03 juil 2035	METHOD OF MANAGING SEVERAL PROFILES IN A SECURE ELEMENT
GMT2326-GB-EPT	United Kingdom	THALES DIS FRANCE SA	03 juil 2015	15738870.3	21 juin 2017	3180735	28 août 2019	3180735	03 juil 2035	METHOD OF MANAGING SEVERAL PROFILES IN A SECURE ELEMENT
GMT2326-IT-EPT	Italy	THALES DIS FRANCE SA	03 juil 2015	15738870.3	21 juin 2017	3180735	28 août 2019	502019000098925	03 juil 2035	METHOD OF MANAGING SEVERAL PROFILES IN A SECURE ELEMENT
GMT2326-KR-PCT	South Korea / Republic of Korea	THALES DIS FRANCE SA	03 juil 2015	20177003682			12 juin 2019	101990709	03 juil 2035	METHOD OF MANAGING SEVERAL PROFILES IN A SECURE ELEMENT
GMT2326-US-PCT	United States Of America	THALES DIS FRANCE SA	03 juil 2015	15503286	10 août 2017	20170228556	09 juil 2019	10346630	06 sept 2035	METHOD OF MANAGING SEVERAL PROFILES IN A SECURE ELEMENT
GMT2329-DE-EPT	Germany	THALES DIS FRANCE SA	13 mars 2015	15712089.0	08 févr 2017	3127092	12 déc 2018	3127092	13 mars 2035	DATA CARRIER
GMT2329-ES-EPT	Spain	THALES DIS FRANCE SA	13 mars 2015	15712089.0	08 févr 2017	3127092	12 déc 2018	3127092	13 mars 2035	DATA CARRIER
GMT2329-FI-EPT	Finland	THALES DIS FRANCE SA	13 mars 2015	15712089.0	08 févr 2017	3127092	12 déc 2018	3127092	13 mars 2035	DATA CARRIER
GMT2329-FR-EPT	France	THALES DIS FRANCE SA	13 mars 2015	15712089.0	08 févr 2017	3127092	12 déc 2018	3127092	13 mars 2035	DATA CARRIER
GMT2329-GB-EPT	United Kingdom	THALES DIS FRANCE SA	13 mars 2015	15712089.0	08 févr 2017	3127092	12 déc 2018	3127092	13 mars 2035	DATA CARRIER
GMT2329-IT-EPT	Italy	THALES DIS FRANCE SA	13 mars 2015	15712089.0	08 févr 2017	3127092	12 déc 2018	502019000020197	13 mars 2035	DATA CARRIER
GMT2329-JP-PCT	Japan	THALES DIS FRANCE SA	13 mars 2015	2016559992	03 août 2017	2017521277	19 juil 2019	6556161	13 mars 2035	DATA CARRIER
GMT2329-KR-PCT	South Korea / Republic of Korea	THALES DIS FRANCE SA	13 mars 2015	20167030424	06 déc 2016	20160139031	13 août 2018	101890051	13 mars 2035	DATA CARRIER
GMT2329-NL-EPT	Netherlands	THALES DIS FRANCE SA	13 mars 2015	15712089.0	08 févr 2017	3127092	12 déc 2018	3127092	13 mars 2035	DATA CARRIER
GMT2329-PL-EPT	Poland	THALES DIS FRANCE SA	13 mars 2015	15712089.0	08 févr 2017	3127092	12 déc 2018	3127092	13 mars 2035	DATA CARRIER
GMT2329-SE-EPT	Sweden	THALES DIS FRANCE SA	13 mars 2015	15712089.0	08 févr 2017	3127092	12 déc 2018	3127092	13 mars 2035	DATA CARRIER
GMT2329-US-PCT	United States Of America	THALES DIS FRANCE SA	13 mars 2015	15300873	26 janv 2017	20170024639	07 août 2018	10043128	13 mars 2035	DATA CARRIER
GMT2333-DE-EPT	Germany	THALES DIS FRANCE SA	17 sept 2015	15766796.5	23 août 2017	3207727	29 août 2018	602015015706.0	17 sept 2035	METHOD TO MANAGE SUBSCRIPTIONS IN A PROVISIONING SERVER
GMT2333-FR-EPT	France	THALES DIS FRANCE SA	17 sept 2015	15766796.5	23 août 2017	3207727	29 août 2018	3207727	17 sept 2035	METHOD TO MANAGE SUBSCRIPTIONS IN A PROVISIONING SERVER

GMT2333-GB-EPT	United Kingdom	THALES DIS FRANCE SA	17 sept 2015	15766796.5	23 août 2017	3207727	29 août 2018	3207727	17 sept 2035	METHOD TO MANAGE SUBSCRIPTIONS IN A PROVISIONING SERVER
GMT2333-JP-PCT	Japan	THALES DIS FRANCE SA	17 sept 2015	2017519884	02 nov 2017	2017519884	06 avr 2018	6318305	17 sept 2035	METHOD TO MANAGE SUBSCRIPTIONS IN A PROVISIONING SERVER
GMT2333-US-PCT	United States Of America	THALES DIS FRANCE SA	17 sept 2015	15514635	03 août 2017	20170222806	04 juin 2019	10313855	07 mars 2036	METHOD TO MANAGE SUBSCRIPTIONS IN A PROVISIONING SERVER
GMT2334-EP-EPT	European Procedure (Patents)	THALES DIS FRANCE SA	13 avr 2015	15716507.7	15 mars 2017	3140775			13 avr 2035	DYNAMIC CHANGE OF SECURITY CONFIGURATIONS
GMT2334-US-PCT	United States Of America	THALES DIS FRANCE SA	13 avr 2015	15307697	23 févr 2017	20170053140	19 févr 2019	10210352	08 août 2035	DYNAMIC CHANGE OF SECURITY CONFIGURATIONS
GMT2336-DE-EPT	Germany	THALES DIS FRANCE SA	23 juin 2015	15731314.9	03 mai 2017	3162100	16 mai 2018	3162100	23 juin 2035	METHOD FOR ESTABLISHING A SECURED COMMUNICATION CHANNEL BETWEEN AN ADMINISTRATIVE AGENT COMPRISED IN A DEVICE AND A THIRD PARTY SERVER, CORRESPONDING SERVER AND TELECOMMUNICATIONS SYSTEM
GMT2336-FR-EPT	France	THALES DIS FRANCE SA	23 juin 2015	15731314.9	03 mai 2017	3162100	16 mai 2018	3162100	23 juin 2035	METHOD FOR ESTABLISHING A SECURED COMMUNICATION CHANNEL BETWEEN AN ADMINISTRATIVE AGENT COMPRISED IN A DEVICE AND A THIRD PARTY SERVER, CORRESPONDING SERVER AND TELECOMMUNICATIONS SYSTEM
GMT2336-GB-EPT	United Kingdom	THALES DIS FRANCE SA	23 juin 2015	15731314.9	03 mai 2017	3162100	16 mai 2018	3162100	23 juin 2035	METHOD FOR ESTABLISHING A SECURED COMMUNICATION CHANNEL BETWEEN AN ADMINISTRATIVE AGENT COMPRISED IN A DEVICE AND A THIRD PARTY SERVER, CORRESPONDING SERVER AND TELECOMMUNICATIONS SYSTEM
GMT2336-US-PCT	United States Of America	THALES DIS FRANCE SA	23 juin 2015	15321251	27 juil 2017	20170214524	24 mars 2020	10601587	27 juil 2036	METHOD FOR ESTABLISHING A SECURED COMMUNICATION CHANNEL BETWEEN AN ADMINISTRATIVE AGENT COMPRISED IN A DEVICE AND A THIRD PARTY SERVER, CORRESPONDING SERVER AND TELECOMMUNICATIONS SYSTEM
GMT2352-EP-EPT	European Procedure (Patents)	THALES DIS FRANCE SA	30 déc 2015	15821096.3	08 nov 2017	3241146			30 déc 2035	SYSTEM AND METHOD FOR OBFUSCATING AN IDENTIFIER TO PROTECT THE IDENTIFIER FROM IMPERMISSIBLE APPROPRIATION
GMT2352-US-PCT	United States Of America	THALES DIS FRANCE SA	30 déc 2015	15541322	14 déc 2017	20170357826	12 mai 2020	10650164	08 avr 2036	SYSTEM AND METHOD FOR OBFUSCATING AN IDENTIFIER TO PROTECT THE IDENTIFIER FROM IMPERMISSIBLE APPROPRIATION
GMT2358-DE-EPT	Germany	THALES DIS FRANCE SA	02 juin 2015	15725655.3	26 avr 2017	3158678	15 avr 2020	602015050694.4	02 juin 2035	METHOD TO MANAGE MODIFICATION OF ENCRYPTION CREDENTIALS
GMT2358-FR-EPT	France	THALES DIS FRANCE SA	02 juin 2015	15725655.3	26 avr 2017	3158678	15 avr 2020	3158678	02 juin 2035	METHOD TO MANAGE MODIFICATION OF ENCRYPTION CREDENTIALS
GMT2358-GB-EPT	United Kingdom	THALES DIS FRANCE SA	02 juin 2015	15725655.3	26 avr 2017	3158678	15 avr 2020	3158678	02 juin 2035	METHOD TO MANAGE MODIFICATION OF ENCRYPTION CREDENTIALS
GMT2358-US-NP	United States Of America	THALES DIS FRANCE SA	20 juin 2014	14310549	24 déc 2015	20150372814	09 févr 2016	9258121	20 juin 2034	METHOD TO MANAGE MODIFICATION OF ENCRYPTION CREDENTIALS
GMT2366-CH-EPT	Switzerland	THALES DIS FRANCE SA	21 déc 2015	15817331.0	08 nov 2017	3241374	28 nov 2018	3241374	21 déc 2035	METHOD FOR ACCESSING A ROAMING DEVICE AND CORRESPONDING PROXY NETWORK
GMT2366-DE-EPT	Germany	THALES DIS FRANCE SA	21 déc 2015	15817331.0	08 nov 2017	3241374	28 nov 2018	602015020603.7	21 déc 2035	METHOD FOR ACCESSING A ROAMING DEVICE AND CORRESPONDING PROXY NETWORK
GMT2366-FR-EPT	France	THALES DIS FRANCE SA	21 déc 2015	15817331.0	08 nov 2017	3241374	28 nov 2018	3241374	21 déc 2035	METHOD FOR ACCESSING A ROAMING DEVICE AND CORRESPONDING PROXY NETWORK
GMT2366-GB-EPT	United Kingdom	THALES DIS FRANCE SA	21 déc 2015	15817331.0	08 nov 2017	3241374	28 nov 2018	3241374	21 déc 2035	METHOD FOR ACCESSING A ROAMING DEVICE AND CORRESPONDING PROXY NETWORK

GMT2366-US-PCT	United States Of America	THALES DIS FRANCE SA	21 déc 2015	15540990	04 janv 2018	20180007537	03 juil 2018	10015663	21 déc 2035	METHOD FOR ACCESSING A ROAMING DEVICE AND CORRESPONDING PROXY NETWORK
GMT2380-BR-PCT	Brazil	THALES DIS FRANCE SA	31 août 2015	170037912					31 août 2035	SYSTEM AND METHOD FOR PROTECTING A DEVICE AGAINST ATTACKS ON PROCESSING FLOW USING A CODE POINTER COMPLEMENT
GMT2380-CA-PCT	Canada	THALES DIS FRANCE SA	31 août 2015	2958986	10 mars 2016	2958986	04 juin 2019	2958986	31 août 2035	SYSTEM AND METHOD FOR PROTECTING A DEVICE AGAINST ATTACKS ON PROCESSING FLOW USING A CODE POINTER COMPLEMENT
GMT2380-DE-EPT	Germany	THALES DIS FRANCE SA	31 août 2015	15763243.1	26 juil 2017	3195175	29 août 2018	602015015702.8	31 août 2035	SYSTEM AND METHOD FOR PROTECTING A DEVICE AGAINST ATTACKS ON PROCESSING FLOW USING A CODE POINTER COMPLEMENT
GMT2380-FR-EPT	France	THALES DIS FRANCE SA	31 août 2015	15763243.1	26 juil 2017	3195175	29 août 2018	3195175	31 août 2035	SYSTEM AND METHOD FOR PROTECTING A DEVICE AGAINST ATTACKS ON PROCESSING FLOW USING A CODE POINTER COMPLEMENT
GMT2380-GB-EPT	United Kingdom	THALES DIS FRANCE SA	31 août 2015	15763243.1	26 juil 2017	3195175	29 août 2018	3195175	31 août 2035	SYSTEM AND METHOD FOR PROTECTING A DEVICE AGAINST ATTACKS ON PROCESSING FLOW USING A CODE POINTER COMPLEMENT
GMT2380-IN-PCT	India	THALES DIS FRANCE SA	31 août 2015	201737005821					31 août 2035	SYSTEM AND METHOD FOR PROTECTING A DEVICE AGAINST ATTACKS ON PROCESSING FLOW USING A CODE POINTER COMPLEMENT
GMT2380-KR-PCT	South Korea / Republic of Korea	THALES DIS FRANCE SA	31 août 2015	20177005656	05 avr 2017	20170038045	29 mai 2019	101986028	31 août 2035	SYSTEM AND METHOD FOR PROTECTING A DEVICE AGAINST ATTACKS ON PROCESSING FLOW USING A CODE POINTER COMPLEMENT
GMT2380-MX-PCT	Mexico	THALES DIS FRANCE SA	31 août 2015	MX2017002724	09 nov 2017	MX2017002724			31 août 2035	SYSTEM AND METHOD FOR PROTECTING A DEVICE AGAINST ATTACKS ON PROCESSING FLOW USING A CODE POINTER COMPLEMENT
GMT2380-US-PCT	United States Of America	THALES DIS FRANCE SA	31 août 2015	15507800	24 août 2017	20170242999	04 févr 2020	10552602	04 janv 2036	SYSTEM AND METHOD FOR PROTECTING A DEVICE AGAINST ATTACKS ON PROCESSING FLOW USING A CODE POINTER COMPLEMENT
GMT2384-EP-EPT	European Procedure (Patents)	THALES DIS FRANCE SA	06 août 2015	15750354.1	14 juin 2017	3178073			06 août 2035	SECURITY MANAGEMENT SYSTEM FOR REVOKING A TOKEN FROM AT LEAST ONE SERVICE PROVIDER TERMINAL OF A SERVICE PROVIDER SYSTEM
GMT2420-DE-EPT	Germany	THALES DIS FRANCE SA	17 nov 2015	15797986.5	25 oct 2017	3233515	04 nov 2020	602015061569.7	17 nov 2035	PERSONALIZATION OF PHYSICAL MEDIA BY SELECTIVELY REVEALING AND HIDING PRE-PRINTED COLOR PIXELS
GMT2420-EP-EPT	European Procedure (Patents)	THALES DIS FRANCE SA	17 nov 2015	15797986.5	25 oct 2017	3233515	04 nov 2020	3233515	17 nov 2035	PERSONALIZATION OF PHYSICAL MEDIA BY SELECTIVELY REVEALING AND HIDING PRE-PRINTED COLOR PIXELS
GMT2420-FR-EPT	France	THALES DIS FRANCE SA	17 nov 2015	15797986.5	25 oct 2017	3233515	04 nov 2020	3233515	17 nov 2035	PERSONALIZATION OF PHYSICAL MEDIA BY SELECTIVELY REVEALING AND HIDING PRE-PRINTED COLOR PIXELS
GMT2420-NL-EPT	Netherlands	THALES DIS FRANCE SA	17 nov 2015	15797986.5	25 oct 2017	3233515	04 nov 2020	3233515	17 nov 2035	PERSONALIZATION OF PHYSICAL MEDIA BY SELECTIVELY REVEALING AND HIDING PRE-PRINTED COLOR PIXELS
GMT2426-CN-PCT	China	THALES DIS FRANCE SA	24 nov 2015	201580067109.X	01 août 2017	107003903	26 févr 2021	ZL201580067109.X	24 nov 2035	METHOD TO EXECUTE A SENSITIVE COMPUTATION USING MULTIPLE DIFFERENT AND INDEPENDENT BRANCHES
GMT2426-DE-EPT	Germany	THALES DIS FRANCE SA	24 nov 2015	15801751.7	18 oct 2017	3230859	17 juil 2019	602015034004.3	24 nov 2035	METHOD TO EXECUTE A SENSITIVE COMPUTATION USING MULTIPLE DIFFERENT AND INDEPENDENT BRANCHES
GMT2426-FR-EPT	France	THALES DIS FRANCE SA	24 nov 2015	15801751.7	18 oct 2017	3230859	17 juil 2019	3230859	24 nov 2035	METHOD TO EXECUTE A SENSITIVE COMPUTATION USING MULTIPLE DIFFERENT AND INDEPENDENT BRANCHES
GMT2426-GB-EPT	United Kingdom	THALES DIS FRANCE SA	24 nov 2015	15801751.7	18 oct 2017	3230859	17 juil 2019	3230859	24 nov 2035	METHOD TO EXECUTE A SENSITIVE COMPUTATION USING MULTIPLE DIFFERENT AND INDEPENDENT BRANCHES

GMT2426-JP-PCT	Japan	THALES DIS FRANCE SA	24 nov 2015	2017528414	14 déc 2017	2017537401	18 mai 2018	6339295	24 nov 2035	METHOD TO EXECUTE A SENSITIVE COMPUTATION USING MULTIPLE DIFFERENT AND INDEPENDENT BRANCHES
GMT2426-KR-PCT	South Korea / Republic of Korea	THALES DIS FRANCE SA	24 nov 2015	1020177015545					24 nov 2035	METHOD TO EXECUTE A SENSITIVE COMPUTATION USING MULTIPLE DIFFERENT AND INDEPENDENT BRANCHES
GMT2426-US-PCT	United States Of America	THALES DIS FRANCE SA	24 nov 2015	15533476	30 nov 2017	20170344376	28 janv 2020	10545759	24 nov 2035	METHOD TO EXECUTE A SENSITIVE COMPUTATION USING MULTIPLE DIFFERENT AND INDEPENDENT BRANCHES
GMT2436-EP-EPT	European Procedure (Patents)	THALES DIS FRANCE SA	13 juil 2016	16739095.4	23 mai 2018	3323221			13 juil 2036	SECURITY MANAGEMENT SYSTEM FOR PERFORMING A SECURE TRANSMISSION OF DATA FROM A TOKEN TO A SERVICE PROVIDER SERVER BY MEANS OF AN IDENTITY PROVIDER SERVER
GMT2436-US-PCT	United States Of America	THALES DIS FRANCE SA	13 juil 2016	15744402	02 août 2018	20180219679	23 juin 2020	10693645	07 janv 2037	SECURITY MANAGEMENT SYSTEM FOR PERFORMING A SECURE TRANSMISSION OF DATA FROM A TOKEN TO A SERVICE PROVIDER SERVER BY MEANS OF AN IDENTITY PROVIDER SERVER
GMT2498-EP-EPT	European Procedure (Patents)	THALES DIS FRANCE SA	16 déc 2015	15817199.1	25 oct 2017	3235302			16 déc 2035	METHOD FOR SWITCHING FROM A FIRST TO A SECOND MOBILE NETWORK OPERATOR AND CORRESPONDING DEVICE
GMT2498-US-PCT	United States Of America	THALES DIS FRANCE SA	16 déc 2015	15536236	25 janv 2018	20180027486	02 avr 2019	10251122	16 déc 2035	METHOD FOR SWITCHING FROM A FIRST TO A SECOND MOBILE NETWORK OPERATOR AND CORRESPONDING DEVICE
GMT2507-DE-EPT	Germany	THALES DIS FRANCE SA	09 déc 2015	15805527.7	25 oct 2017	3235214	05 août 2020	602015057035.9	09 déc 2035	METHOD FOR AUTHENTICATING ATTRIBUTES IN A NON-TRACEABLE MANNER AND WITHOUT CONNECTION TO A SERVER
GMT2507-EP-EPT	European Procedure (Patents)	THALES DIS FRANCE SA	09 déc 2015	15805527.7	25 oct 2017	3235214	05 août 2020	3235214	09 déc 2035	METHOD FOR AUTHENTICATING ATTRIBUTES IN A NON-TRACEABLE MANNER AND WITHOUT CONNECTION TO A SERVER
GMT2507-ES-EPT	Spain	THALES DIS FRANCE SA	09 déc 2015	15805527.7	25 oct 2017	3235214	05 août 2020	3235214	09 déc 2035	METHOD FOR AUTHENTICATING ATTRIBUTES IN A NON-TRACEABLE MANNER AND WITHOUT CONNECTION TO A SERVER
GMT2507-FR-EPT	France	THALES DIS FRANCE SA	09 déc 2015	15805527.7	25 oct 2017	3235214	05 août 2020	3235214	09 déc 2035	METHOD FOR AUTHENTICATING ATTRIBUTES IN A NON-TRACEABLE MANNER AND WITHOUT CONNECTION TO A SERVER
GMT2507-GB-EPT	United Kingdom	THALES DIS FRANCE SA	09 déc 2015	15805527.7	25 oct 2017	3235214	05 août 2020	3235214	09 déc 2035	METHOD FOR AUTHENTICATING ATTRIBUTES IN A NON-TRACEABLE MANNER AND WITHOUT CONNECTION TO A SERVER
GMT2507-IT-EPT	Italy	THALES DIS FRANCE SA	09 déc 2015	15805527.7	25 oct 2017	3235214	05 août 2020	502020000103567	09 déc 2035	METHOD FOR AUTHENTICATING ATTRIBUTES IN A NON-TRACEABLE MANNER AND WITHOUT CONNECTION TO A SERVER
GMT2507-KR-PCT	South Korea / Republic of Korea	THALES DIS FRANCE SA	09 déc 2015	1020177016330	26 juil 2017	20170086571	18 juil 2019	102003622	09 déc 2035	METHOD FOR AUTHENTICATING ATTRIBUTES IN A NON-TRACEABLE MANNER AND WITHOUT CONNECTION TO A SERVER
GMT2507-US-PCT	United States Of America	THALES DIS FRANCE SA	09 déc 2015	15536387	30 nov 2017	20170346642	31 mars 2020	10608826	02 oct 2036	METHOD FOR AUTHENTICATING ATTRIBUTES IN A NON-TRACEABLE MANNER AND WITHOUT CONNECTION TO A SERVER
GMT2512-CN-PCT	China	THALES DIS FRANCE SA	16 déc 2015	201580076076.5	29 sept 2017	107223252	12 janv 2021	201580076076.5	16 déc 2035	SECURE ELEMENT
GMT2512-EP-EPT	European Procedure (Patents)	THALES DIS FRANCE SA	16 déc 2015	15813373.6	08 nov 2017	3241143			16 déc 2035	SECURE ELEMENT
GMT2512-JP-PCT	Japan	THALES DIS FRANCE SA	16 déc 2015	2017534959	25 mars 2018	2018508063	27 déc 2019	6636028	16 déc 2035	SECURE ELEMENT

GMT2512-KR-PCT	South Korea / Republic of Korea	THALES DIS FRANCE SA	16 déc 2015	20177020905					16 déc 2035	SECURE ELEMENT
GMT2512-US-PCT	United States Of America	THALES DIS FRANCE SA	16 déc 2015	15541000	21 déc 2017	20170364711			16 déc 2035	SECURE ELEMENT
GMT2518-DE-EPT	Germany	THALES DIS FRANCE SA	09 déc 2016	16810335.6	17 oct 2018	3387783	18 nov 2020	602016048197.9	09 déc 2036	SECURE ELECTRONIC DEVICE WITH MECHANISM TO PROVIDE UNLINKABLE ATTRIBUTE ASSERTION VERIFIABLE BY A SERVICE PROVIDER
GMT2518-EP-EPT	European Procedure (Patents)	THALES DIS FRANCE SA	09 déc 2016	16810335.6	17 oct 2018	3387783	18 nov 2020	3387783	09 déc 2036	SECURE ELECTRONIC DEVICE WITH MECHANISM TO PROVIDE UNLINKABLE ATTRIBUTE ASSERTION VERIFIABLE BY A SERVICE PROVIDER
GMT2518-FR-EPT	France	THALES DIS FRANCE SA	09 déc 2016	16810335.6	17 oct 2018	3387783	18 nov 2020	3387783	09 déc 2036	SECURE ELECTRONIC DEVICE WITH MECHANISM TO PROVIDE UNLINKABLE ATTRIBUTE ASSERTION VERIFIABLE BY A SERVICE PROVIDER
GMT2518-US-PCT	United States Of America	THALES DIS FRANCE SA	09 déc 2016	16060977	20 déc 2018	20180367305			09 déc 2036	SECURE ELECTRONIC DEVICE WITH MECHANISM TO PROVIDE UNLINKABLE ATTRIBUTE ASSERTION VERIFIABLE BY A SERVICE PROVIDER
GMT2528-CH-EPT	Switzerland	THALES DIS FRANCE SA	03 déc 2015	15805158.1	18 oct 2017	3230926	23 janv 2019	3230926	03 déc 2035	METHOD OF MANUFACTURING A RADIO FREQUENCY DEVICE WITH A CONNECTED ANTENNA TO WIRE PLATE CAPACITOR
GMT2528-DE-EPT	Germany	THALES DIS FRANCE SA	03 déc 2015	15805158.1	18 oct 2017	3230926	23 janv 2019	602015023766.8	03 déc 2035	METHOD OF MANUFACTURING A RADIO FREQUENCY DEVICE WITH A CONNECTED ANTENNA TO WIRE PLATE CAPACITOR
GMT2528-DK-EPT	Denmark	THALES DIS FRANCE SA	03 déc 2015	15805158.1	18 oct 2017	3230926	23 janv 2019	3230926	03 déc 2035	METHOD OF MANUFACTURING A RADIO FREQUENCY DEVICE WITH A CONNECTED ANTENNA TO WIRE PLATE CAPACITOR
GMT2528-ES-EPT	Spain	THALES DIS FRANCE SA	03 déc 2015	15805158.1	18 oct 2017	3230926	23 janv 2019	3230926	03 déc 2035	METHOD OF MANUFACTURING A RADIO FREQUENCY DEVICE WITH A CONNECTED ANTENNA TO WIRE PLATE CAPACITOR
GMT2528-FI-EPT	Finland	THALES DIS FRANCE SA	03 déc 2015	15805158.1	18 oct 2017	3230926	23 janv 2019	3230926	03 déc 2035	METHOD OF MANUFACTURING A RADIO FREQUENCY DEVICE WITH A CONNECTED ANTENNA TO WIRE PLATE CAPACITOR
GMT2528-FR-EPT	France	THALES DIS FRANCE SA	03 déc 2015	15805158.1	18 oct 2017	3230926	23 janv 2019	3230926	03 déc 2035	METHOD OF MANUFACTURING A RADIO FREQUENCY DEVICE WITH A CONNECTED ANTENNA TO WIRE PLATE CAPACITOR
GMT2528-GB-EPT	United Kingdom	THALES DIS FRANCE SA	03 déc 2015	15805158.1	18 oct 2017	3230926	23 janv 2019	3230926	03 déc 2035	METHOD OF MANUFACTURING A RADIO FREQUENCY DEVICE WITH A CONNECTED ANTENNA TO WIRE PLATE CAPACITOR
GMT2528-IT-EPT	Italy	THALES DIS FRANCE SA	03 déc 2015	15805158.1	18 oct 2017	3230926	23 janv 2019	502019000030264	03 déc 2035	METHOD OF MANUFACTURING A RADIO FREQUENCY DEVICE WITH A CONNECTED ANTENNA TO WIRE PLATE CAPACITOR
GMT2528-NL-EPT	Netherlands	THALES DIS FRANCE SA	03 déc 2015	15805158.1	18 oct 2017	3230926	23 janv 2019	3230926	03 déc 2035	METHOD OF MANUFACTURING A RADIO FREQUENCY DEVICE WITH A CONNECTED ANTENNA TO WIRE PLATE CAPACITOR
GMT2528-PL-EPT	Poland	THALES DIS FRANCE SA	03 déc 2015	15805158.1	18 oct 2017	3230926	23 janv 2019	3230926	03 déc 2035	METHOD OF MANUFACTURING A RADIO FREQUENCY DEVICE WITH A CONNECTED ANTENNA TO WIRE PLATE CAPACITOR
GMT2528-SE-EPT	Sweden	THALES DIS FRANCE SA	03 déc 2015	15805158.1	18 oct 2017	3230926	23 janv 2019	3230926	03 déc 2035	METHOD OF MANUFACTURING A RADIO FREQUENCY DEVICE WITH A CONNECTED ANTENNA TO WIRE PLATE CAPACITOR
GMT2529-DE-EPT	Germany	THALES DIS FRANCE SA	10 sept 2015	15763879.2	30 août 2017	3210403	04 juil 2018	602015013135.5	10 sept 2035	METHOD OF SENDING DATA FROM A SECURE TOKEN TO A DISTANT SERVER
GMT2529-ES-EPT	Spain	THALES DIS FRANCE SA	10 sept 2015	15763879.2	30 août 2017	3210403	04 juil 2018	3210403	10 sept 2035	METHOD OF SENDING DATA FROM A SECURE TOKEN TO A DISTANT SERVER
GMT2529-FR-EPT	France	THALES DIS FRANCE SA	10 sept 2015	15763879.2	30 août 2017	3210403	04 juil 2018	3210403	10 sept 2035	METHOD OF SENDING DATA FROM A SECURE TOKEN TO A DISTANT SERVER

GMT2529-GB-EPT	United Kingdom	THALES DIS FRANCE SA	10 sept 2015	15763879.2	30 août 2017	3210403	04 juil 2018	3210403	10 sept 2035	METHOD OF SENDING DATA FROM A SECURE TOKEN TO A DISTANT SERVER
GMT2529-IT-EPT	Italy	THALES DIS FRANCE SA	10 sept 2015	15763879.2	30 août 2017	3210403	04 juil 2018	502018000028516	10 sept 2035	METHOD OF SENDING DATA FROM A SECURE TOKEN TO A DISTANT SERVER
GMT2529-NL-EPT	Netherlands	THALES DIS FRANCE SA	10 sept 2015	15763879.2	30 août 2017	3210403	04 juil 2018	3210403	10 sept 2035	METHOD OF SENDING DATA FROM A SECURE TOKEN TO A DISTANT SERVER
GMT2529-US-PCT	United States Of America	THALES DIS FRANCE SA	10 sept 2015	15519669	24 août 2017	20170244691	10 mars 2020	10587599	21 déc 2035	METHOD OF SENDING DATA FROM A SECURE TOKEN TO A DISTANT SERVER
GMT2539-DE-EPT	Germany	THALES DIS FRANCE SA	21 août 2015	15757191.0	09 août 2017	3202173	27 juin 2018	602015012805.2	21 août 2035	METHOD OF SENDING A DATA FROM A SECURE TOKEN TO A SERVER
GMT2539-ES-EPT	Spain	THALES DIS FRANCE SA	21 août 2015	15757191.0	09 août 2017	3202173	27 juin 2018	3202173	21 août 2035	METHOD OF SENDING A DATA FROM A SECURE TOKEN TO A SERVER
GMT2539-FR-EPT	France	THALES DIS FRANCE SA	21 août 2015	15757191.0	09 août 2017	3202173	27 juin 2018	3202173	21 août 2035	METHOD OF SENDING A DATA FROM A SECURE TOKEN TO A SERVER
GMT2539-GB-EPT	United Kingdom	THALES DIS FRANCE SA	21 août 2015	15757191.0	09 août 2017	3202173	27 juin 2018	3202173	21 août 2035	METHOD OF SENDING A DATA FROM A SECURE TOKEN TO A SERVER
GMT2539-IT-EPT	Italy	THALES DIS FRANCE SA	21 août 2015	15757191.0	09 août 2017	3202173	27 juin 2018	502018000028107	21 août 2035	METHOD OF SENDING A DATA FROM A SECURE TOKEN TO A SERVER
GMT2539-NL-EPT	Netherlands	THALES DIS FRANCE SA	21 août 2015	15757191.0	09 août 2017	3202173	27 juin 2018	3202173	21 août 2035	METHOD OF SENDING A DATA FROM A SECURE TOKEN TO A SERVER
GMT2539-US-PCT	United States Of America	THALES DIS FRANCE SA	21 août 2015	15516136	19 oct 2017	20170302650	07 avr 2020	10616212	08 mai 2036	METHOD OF SENDING A DATA FROM A SECURE TOKEN TO A SERVER
GMT2560-DE-EPT	Germany	THALES DIS FRANCE SA	25 nov 2015	15800847.4	25 oct 2017	3235167	27 févr 2019	602015025514.3	25 nov 2035	METHOD FOR ON-BOARD PRIME NUMBER GENERATION
GMT2560-FR-EPT	France	THALES DIS FRANCE SA	25 nov 2015	15800847.4	25 oct 2017	3235167	27 févr 2019	3235167	25 nov 2035	METHOD FOR ON-BOARD PRIME NUMBER GENERATION
GMT2560-GB-EPT	United Kingdom	THALES DIS FRANCE SA	25 nov 2015	15800847.4	25 oct 2017	3235167	27 févr 2019	3235167	25 nov 2035	METHOD FOR ON-BOARD PRIME NUMBER GENERATION
GMT2560-US-PCT	United States Of America	THALES DIS FRANCE SA	25 nov 2015	15534079	30 nov 2017	20170346632	15 oct 2019	10447477	03 mars 2036	METHOD FOR ON-BOARD PRIME NUMBER GENERATION
GMT2577-CN-PCT	China	THALES DIS FRANCE SA	04 nov 2016	201680070533.4	17 juil 2018	108293055	28 août 2020	ZL201680070533.4	04 nov 2036	METHOD, DEVICE AND SYSTEM FOR AUTHENTICATING TO A MOBILE NETWORK AND A SERVER FOR AUTHENTICATING DEVICES TO A MOBILE NETWORK
GMT2577-DE-EPT	Germany	THALES DIS FRANCE SA	04 nov 2016	16794259.8	18 juil 2018	3347849	16 oct 2019	602016022642.1	04 nov 2036	METHOD, DEVICE AND SYSTEM FOR AUTHENTICATING TO A MOBILE NETWORK AND A SERVER FOR AUTHENTICATING DEVICES TO A MOBILE NETWORK
GMT2577-ES-EPT	Spain	THALES DIS FRANCE SA	04 nov 2016	16794259.8	18 juil 2018	3347849	16 oct 2019	3347849	04 nov 2036	METHOD, DEVICE AND SYSTEM FOR AUTHENTICATING TO A MOBILE NETWORK AND A SERVER FOR AUTHENTICATING DEVICES TO A MOBILE NETWORK
GMT2577-FR-EPT	France	THALES DIS FRANCE SA	04 nov 2016	16794259.8	18 juil 2018	3347849	16 oct 2019	3347849	04 nov 2036	METHOD, DEVICE AND SYSTEM FOR AUTHENTICATING TO A MOBILE NETWORK AND A SERVER FOR AUTHENTICATING DEVICES TO A MOBILE NETWORK
GMT2577-GB-EPT	United Kingdom	THALES DIS FRANCE SA	04 nov 2016	16794259.8	18 juil 2018	3347849	16 oct 2019	3347849	04 nov 2036	METHOD, DEVICE AND SYSTEM FOR AUTHENTICATING TO A MOBILE NETWORK AND A SERVER FOR AUTHENTICATING DEVICES TO A MOBILE NETWORK
GMT2577-IT-EPT	Italy	THALES DIS FRANCE SA	04 nov 2016	16794259.8	18 juil 2018	3347849	16 oct 2019	502019000106941	04 nov 2036	METHOD, DEVICE AND SYSTEM FOR AUTHENTICATING TO A MOBILE NETWORK AND A SERVER FOR AUTHENTICATING DEVICES TO A MOBILE NETWORK

GMT2577-JP-PCT	Japan	THALES DIS FRANCE SA	04 nov 2016	2018526232			18 oct 2019	6602475	04 nov 2036	METHOD, DEVICE AND SYSTEM FOR AUTHENTICATING TO A MOBILE NETWORK AND A SERVER FOR AUTHENTICATING DEVICES TO A MOBILE NETWORK
GMT2577-KR-PCT	South Korea / Republic of Korea	THALES DIS FRANCE SA	04 nov 2016	1020187015117			14 avr 2020	102102741	04 nov 2036	METHOD, DEVICE AND SYSTEM FOR AUTHENTICATING TO A MOBILE NETWORK AND A SERVER FOR AUTHENTICATING DEVICES TO A MOBILE NETWORK
GMT2577-PL-EPT	Pologne	THALES DIS FRANCE SA	04 nov 2016	16794259.8	18 juil 2018	3347849	16 oct 2019	3347849	04 nov 2036	METHOD, DEVICE AND SYSTEM FOR AUTHENTICATING TO A MOBILE NETWORK AND A SERVER FOR AUTHENTICATING DEVICES TO A MOBILE NETWORK
GMT2577-US-PCT	United States Of America	THALES DIS FRANCE SA	04 nov 2016	15780943	27 sept 2018	20180279124	17 sept 2019	10419932	04 nov 2036	METHOD, DEVICE AND SYSTEM FOR AUTHENTICATING TO A MOBILE NETWORK AND A SERVER FOR AUTHENTICATING DEVICES TO A MOBILE NETWORK
GMT2625-DE-EPT	Germany	THALES DIS FRANCE SA	05 juil 2016	16736093.2	04 juil 2018	3342091	02 sept 2020	602016043192.0	05 juil 2036	MIXED HARDWARE AND SOFTWARE INSTRUCTIONS FOR CRYPTOGRAPHIC FUNCTIONALITIES IMPLEMENTATION
GMT2625-EP-EPT	European Procedure (Patents)	THALES DIS FRANCE SA	05 juil 2016	16736093.2	04 juil 2018	3342091	02 sept 2020	3342091	05 juil 2036	MIXED HARDWARE AND SOFTWARE INSTRUCTIONS FOR CRYPTOGRAPHIC FUNCTIONALITIES IMPLEMENTATION
GMT2625-ES-EPT	Spain	THALES DIS FRANCE SA	05 juil 2016	16736093.2	04 juil 2018	3342091	02 sept 2020	3342091	05 juil 2036	MIXED HARDWARE AND SOFTWARE INSTRUCTIONS FOR CRYPTOGRAPHIC FUNCTIONALITIES IMPLEMENTATION
GMT2625-FR-EPT	France	THALES DIS FRANCE SA	05 juil 2016	16736093.2	04 juil 2018	3342091	02 sept 2020	3342091	05 juil 2036	MIXED HARDWARE AND SOFTWARE INSTRUCTIONS FOR CRYPTOGRAPHIC FUNCTIONALITIES IMPLEMENTATION
GMT2625-GB-EPT	United Kingdom	THALES DIS FRANCE SA	05 juil 2016	16736093.2	04 juil 2018	3342091	02 sept 2020	3342091	05 juil 2036	MIXED HARDWARE AND SOFTWARE INSTRUCTIONS FOR CRYPTOGRAPHIC FUNCTIONALITIES IMPLEMENTATION
GMT2625-IT-EPT	Italy	THALES DIS FRANCE SA	05 juil 2016	16736093.2	04 juil 2018	3342091	02 sept 2020	3342091	05 juil 2036	MIXED HARDWARE AND SOFTWARE INSTRUCTIONS FOR CRYPTOGRAPHIC FUNCTIONALITIES IMPLEMENTATION
GMT2625-NL-EPT	Netherlands	THALES DIS FRANCE SA	05 juil 2016	16736093.2	04 juil 2018	3342091	02 sept 2020	3342091	05 juil 2036	MIXED HARDWARE AND SOFTWARE INSTRUCTIONS FOR CRYPTOGRAPHIC FUNCTIONALITIES IMPLEMENTATION
GMT2625-US-PCT	United States Of America	THALES DIS FRANCE SA	05 juil 2016	15754941					05 juil 2036	MIXED HARDWARE AND SOFTWARE INSTRUCTIONS FOR CRYPTOGRAPHIC FUNCTIONALITIES IMPLEMENTATION
GMT2633-CN-PCT	China	THALES DIS FRANCE SA	28 janv 2016	201680012845.X	28 nov 2017	107409041			28 janv 2036	SYSTEM AND METHOD FOR PERFORMING BLOCK CIPHER CRYPTOGRAPHY BY IMPLEMENTING A MIXER FUNCTION THAT INCLUDES A SUBSTITUTION-BOX AND A LINEAR TRANSFORMATION USING A LOOKUP-TABLE
GMT2646-AE-PCT	United Arab Emirates	THALES DIS FRANCE SA	08 mars 2016	P600114517					08 mars 2036	A METHOD FOR GENERATING AN EMBEDDED SYSTEM DERIVABLE INTO A PLURALITY OF PERSONALIZED EMBEDDED SYSTEM
GMT2646-EP-EPT	European Procedure (Patents)	THALES DIS FRANCE SA	08 mars 2016	16712243.1	17 janv 2018	3268858			08 mars 2036	A METHOD FOR GENERATING AN EMBEDDED SYSTEM DERIVABLE INTO A PLURALITY OF PERSONALIZED EMBEDDED SYSTEM
GMT2646-QA-PCT	Qatar	THALES DIS FRANCE SA	08 mars 2016	QA20170900387						A METHOD FOR GENERATING AN EMBEDDED SYSTEM DERIVABLE INTO A PLURALITY OF PERSONALIZED EMBEDDED SYSTEM

GMT2646-SA-PCT	Saudi Arabia	THALES DIS FRANCE SA	08 mars 2016	517382268					08 mars 2036	A METHOD FOR GENERATING AN EMBEDDED SYSTEM DERIVABLE INTO A PLURALITY OF PERSONALIZED EMBEDDED SYSTEM
GMT2654-AU-PCT	Australia	THALES DIS FRANCE SA	09 févr 2016	2016221971	20 juil 2017	2016221971	16 mai 2019	2016221971	09 févr 2036	METHOD FOR MANUFACTURING A SINGLE-SURFACE ELECTRONIC MODULE INCLUDING INTERCONNECTION AREAS
GMT2654-BR-PCT	Brazil	THALES DIS FRANCE SA	09 févr 2016	BR1120170150140	23 janv 2018	BR1120170150140			09 févr 2036	METHOD FOR MANUFACTURING A SINGLE-SURFACE ELECTRONIC MODULE INCLUDING INTERCONNECTION AREAS
GMT2654-CA-PCT	Canada	THALES DIS FRANCE SA	09 févr 2016	2968070	25 août 2016	2968070			09 févr 2036	METHOD FOR MANUFACTURING A SINGLE-SURFACE ELECTRONIC MODULE INCLUDING INTERCONNECTION AREAS
GMT2654-CN-PCT	China	THALES DIS FRANCE SA	09 févr 2016	201680004744.8	29 août 2017	107111779			09 févr 2036	METHOD FOR MANUFACTURING A SINGLE-SURFACE ELECTRONIC MODULE INCLUDING INTERCONNECTION AREAS
GMT2654-EP-EPA	European Procedure (Patents)	THALES DIS FRANCE SA	20 févr 2015	15305271.7	24 août 2016	3059698	31 mars 2021	3059698	20 févr 2035	METHOD FOR MANUFACTURING A SINGLE-SURFACE ELECTRONIC MODULE INCLUDING INTERCONNECTION AREAS
GMT2654-EP-ETD	European Procedure (Patents)	THALES DIS FRANCE SA	22 févr 2021	21158480.0					20 févr 2035	
GMT2654-IN-PCT	India	THALES DIS FRANCE SA	09 févr 2016	201737019333					09 févr 2036	METHOD FOR MANUFACTURING A SINGLE-SURFACE ELECTRONIC MODULE INCLUDING INTERCONNECTION AREAS
GMT2654-JP-PCD	Japan	THALES DIS FRANCE SA	09 févr 2016	2018232327			31 août 2020	6756805	09 févr 2036	METHOD FOR MANUFACTURING A SINGLE-SURFACE ELECTRONIC MODULE INCLUDING INTERCONNECTION AREAS
GMT2654-JP-PCT	Japan	THALES DIS FRANCE SA	09 févr 2016	2017535646	22 févr 2018	2018505553	21 déc 2018	6453472	09 févr 2036	METHOD FOR MANUFACTURING A SINGLE-SURFACE ELECTRONIC MODULE INCLUDING INTERCONNECTION AREAS
GMT2654-KR-PCT	South Korea / Republic of Korea	THALES DIS FRANCE SA	09 févr 2016	20177015859	12 juil 2017	20170081693	20 août 2019	102014621	09 févr 2036	METHOD FOR MANUFACTURING A SINGLE-SURFACE ELECTRONIC MODULE INCLUDING INTERCONNECTION AREAS
GMT2654-MX-PCT	Mexico	THALES DIS FRANCE SA	09 févr 2016	MX2017006130	09 févr 2018	MX2017006130			09 févr 2036	METHOD FOR MANUFACTURING A SINGLE-SURFACE ELECTRONIC MODULE INCLUDING INTERCONNECTION AREAS
GMT2654-SG-PCT	Singapore	THALES DIS FRANCE SA	09 févr 2016	11201703935T	29 juin 2017	11201703935T	10 avr 2019	11201703935T	09 févr 2036	METHOD FOR MANUFACTURING A SINGLE-SURFACE ELECTRONIC MODULE INCLUDING INTERCONNECTION AREAS
GMT2654-US-PCT	United States Of America	THALES DIS FRANCE SA	09 févr 2016	15531159	28 déc 2017	20170372186	07 mai 2019	10282652	09 févr 2036	METHOD FOR MANUFACTURING A SINGLE-SURFACE ELECTRONIC MODULE INCLUDING INTERCONNECTION AREAS

GMT2654- ZA-PCT	South Africa	THALES DIS FRANCE SA	09 févr 2016	201703296			26 juin 2019	201703296	09 févr 2036	METHOD FOR MANUFACTURING A SINGLE-SURFACE ELECTRONIC MODULE INCLUDING INTERCONNECTION AREAS
GMT2676- EP-EPT	European Procedure (Patents)	THALES DIS FRANCE SA	06 mars 2017	17708284.9					06 mars 2037	METHOD FOR MANUFACTURING A MODULE WITH AN INTEGRATED CIRCUIT CHIP AND DEVICE COMPRISING SUCH A MODULE
GMT2694- CN-PCT	China	THALES DIS FRANCE SA	13 mai 2016	201680041135.X	27 mars 2018	107851044			13 mai 2036	INTEGRATED CIRCUIT CARD ADAPTED TO TRANSFER FIRST DATA FROM A FIRST APPLICATION FOR USE BY A SECOND APPLICATION
GMT2694- EP-EPT	European Procedure (Patents)	THALES DIS FRANCE SA	13 mai 2016	16723352.7	16 mai 2018	3320437			13 mai 2036	INTEGRATED CIRCUIT CARD ADAPTED TO TRANSFER FIRST DATA FROM A FIRST APPLICATION FOR USE BY A SECOND APPLICATION
GMT2694- KR-PCT	South Korea / Republic of Korea	THALES DIS FRANCE SA	13 mai 2016	20177034924	13 févr 2018	20180015647	25 juin 2019	101995151	13 mai 2036	INTEGRATED CIRCUIT CARD ADAPTED TO TRANSFER FIRST DATA FROM A FIRST APPLICATION FOR USE BY A SECOND APPLICATION
GMT2694- US-PCT	United States Of America	THALES DIS FRANCE SA	13 mai 2016	15573627	21 juin 2018	20180174132	26 nov 2019	10489775	13 mai 2036	INTEGRATED CIRCUIT CARD ADAPTED TO TRANSFER FIRST DATA FROM A FIRST APPLICATION FOR USE BY A SECOND APPLICATION
GMT2705- CA-PCT	Canada	THALES DIS FRANCE SA	11 févr 2016	2976584	09 sept 2016	2976584	22 oct 2019	2976584	11 févr 2036	METHOD OF MANUFACTURING A RADIO FREQUENCY DEVICE WITH A WIRED PASSIVE ANTENNA RADIO
GMT2705- DE-EPA	Germany	THALES DIS FRANCE SA	02 mars 2015	15305315.2	07 sept 2016	3065089	20 déc 2017	602015006825.4	02 mars 2035	METHOD OF MANUFACTURING A RADIO FREQUENCY DEVICE WITH A WIRED PASSIVE ANTENNA RADIO
GMT2705- ES-EPA	Spain	THALES DIS FRANCE SA	02 mars 2015	15305315.2	07 sept 2016	3065089	20 déc 2017	3065089	02 mars 2035	METHOD OF MANUFACTURING A RADIO FREQUENCY DEVICE WITH A WIRED PASSIVE ANTENNA RADIO
GMT2705- FI-EPA	Finland	THALES DIS FRANCE SA	02 mars 2015	15305315.2	07 sept 2016	3065089	20 déc 2017	3065089	02 mars 2035	METHOD OF MANUFACTURING A RADIO FREQUENCY DEVICE WITH A WIRED PASSIVE ANTENNA RADIO
GMT2705- FR-EPA	France	THALES DIS FRANCE SA	02 mars 2015	15305315.2	07 sept 2016	3065089	20 déc 2017	3065089	02 mars 2035	METHOD OF MANUFACTURING A RADIO FREQUENCY DEVICE WITH A WIRED PASSIVE ANTENNA RADIO
GMT2705- GB-EPA	United Kingdom	THALES DIS FRANCE SA	02 mars 2015	15305315.2	07 sept 2016	3065089	20 déc 2017	3065089	02 mars 2035	METHOD OF MANUFACTURING A RADIO FREQUENCY DEVICE WITH A WIRED PASSIVE ANTENNA RADIO
GMT2705- IT-EPA	Italy	THALES DIS FRANCE SA	02 mars 2015	15305315.2	07 sept 2016	3065089	20 déc 2017	502018000008812	02 mars 2035	METHOD OF MANUFACTURING A RADIO FREQUENCY DEVICE WITH A WIRED PASSIVE ANTENNA RADIO
GMT2705- MX-PCT	Mexico	THALES DIS FRANCE SA	11 févr 2016	MX2017011084	02 mars 2018	MX2017011084	29 août 2019	372132	11 févr 2036	METHOD OF MANUFACTURING A RADIO FREQUENCY DEVICE WITH A WIRED PASSIVE ANTENNA RADIO
GMT2705- NL-EPA	Netherlands	THALES DIS FRANCE SA	02 mars 2015	15305315.2	07 sept 2016	3065089	20 déc 2017	3065089	02 mars 2035	METHOD OF MANUFACTURING A RADIO FREQUENCY DEVICE WITH A WIRED PASSIVE ANTENNA RADIO
GMT2705- NO-EPA	Norway	THALES DIS FRANCE SA	02 mars 2015	15305315.2	07 sept 2016	3065089	20 déc 2017	3065089	02 mars 2035	METHOD OF MANUFACTURING A RADIO FREQUENCY DEVICE WITH A WIRED PASSIVE ANTENNA RADIO
GMT2705- SE-EPA	Sweden	THALES DIS FRANCE SA	02 mars 2015	15305315.2	07 sept 2016	3065089	20 déc 2017	3065089	02 mars 2035	METHOD OF MANUFACTURING A RADIO FREQUENCY DEVICE WITH A WIRED PASSIVE ANTENNA RADIO
GMT2705- US-PCT	United States Of America	THALES DIS FRANCE SA	11 févr 2016	15555209	22 févr 2018	2018053083			11 févr 2036	METHOD OF MANUFACTURING A RADIO FREQUENCY DEVICE WITH A WIRED PASSIVE ANTENNA RADIO

GMT2712-DE-EPT	Germany	THALES DIS FRANCE SA	25 mars 2016	16715477.2	28 févr 2018	3286934	06 nov 2019	3286934	25 mars 2036	SYSTEM AND METHOD FOR MANAGING LOGICAL CHANNELS FOR ACCESSING SEVERAL VIRTUAL PROFILES IN A SECURE ELEMENT
GMT2712-ES-EPT	Spain	THALES DIS FRANCE SA	25 mars 2016	16715477.2	28 févr 2018	3286934	06 nov 2019	3286934	25 mars 2036	SYSTEM AND METHOD FOR MANAGING LOGICAL CHANNELS FOR ACCESSING SEVERAL VIRTUAL PROFILES IN A SECURE ELEMENT
GMT2712-FR-EPT	France	THALES DIS FRANCE SA	25 mars 2016	16715477.2	28 févr 2018	3286934	06 nov 2019	3286934	25 mars 2036	SYSTEM AND METHOD FOR MANAGING LOGICAL CHANNELS FOR ACCESSING SEVERAL VIRTUAL PROFILES IN A SECURE ELEMENT
GMT2712-GB-EPT	United Kingdom	THALES DIS FRANCE SA	25 mars 2016	16715477.2	28 févr 2018	3286934	06 nov 2019	3286934	25 mars 2036	SYSTEM AND METHOD FOR MANAGING LOGICAL CHANNELS FOR ACCESSING SEVERAL VIRTUAL PROFILES IN A SECURE ELEMENT
GMT2712-IT-EPT	Italy	THALES DIS FRANCE SA	25 mars 2016	16715477.2	28 févr 2018	3286934	06 nov 2019	50202000003268	25 mars 2036	SYSTEM AND METHOD FOR MANAGING LOGICAL CHANNELS FOR ACCESSING SEVERAL VIRTUAL PROFILES IN A SECURE ELEMENT
GMT2712-KR-PCT	South Korea / Republic of Korea	THALES DIS FRANCE SA	25 mars 2016	1020177030048			11 nov 2019	102045662	25 mars 2036	SYSTEM AND METHOD FOR MANAGING LOGICAL CHANNELS FOR ACCESSING SEVERAL VIRTUAL PROFILES IN A SECURE ELEMENT
GMT2712-US-NP	United States Of America	THALES DIS FRANCE SA	22 avr 2015	14693010	27 oct 2016	20160314309	12 sept 2017	9760728	29 mai 2035	SYSTEM AND METHOD FOR MANAGING LOGICAL CHANNELS FOR ACCESSING SEVERAL VIRTUAL PROFILES IN A SECURE ELEMENT
GMT2729-EP-EPT	European Procedure (Patents)	THALES DIS FRANCE SA	04 mai 2016	16722602.6	21 mars 2018	3295605			04 mai 2036	METHOD FOR OPTIMIZING THE EXECUTION OF A FUNCTION WHICH GENERATES AT LEAST ONE KEY WITHIN AN INTEGRATED CIRCUIT DEVICE
GMT2729-RU-PCT	Russian Federation	THALES DIS FRANCE SA	04 mai 2016	2017143400	13 juin 2019	2017143400	16 oct 2019	2017143400	04 mai 2036	METHOD FOR OPTIMIZING THE EXECUTION OF A FUNCTION WHICH GENERATES AT LEAST ONE KEY WITHIN AN INTEGRATED CIRCUIT DEVICE
GMT2732-BR-PCT	Brazil	THALES DIS FRANCE SA	09 déc 2016	1120180117820					09 déc 2036	MOBILE DEVICE HAVING TRUSTED EXECUTION ENVIRONMENT
GMT2732-CN-PCT	China	THALES DIS FRANCE SA	09 déc 2016	201680081545.7	09 nov 2018	108781210			09 déc 2036	MOBILE DEVICE HAVING TRUSTED EXECUTION ENVIRONMENT
GMT2732-EP-EPT	European Procedure (Patents)	THALES DIS FRANCE SA	09 déc 2016	16816621.3	17 oct 2018	3387813			09 déc 2036	MOBILE DEVICE HAVING TRUSTED EXECUTION ENVIRONMENT
GMT2732-JP-PCT	Japan	THALES DIS FRANCE SA	09 déc 2016	2018529986	28 févr 2019	2019505887			09 déc 2036	MOBILE DEVICE HAVING TRUSTED EXECUTION ENVIRONMENT
GMT2732-KR-PCT	South Korea / Republic of Korea	THALES DIS FRANCE SA	09 déc 2016	20187019734	20 août 2018	20187019734	18 févr 2021	102217501	09 déc 2036	MOBILE DEVICE HAVING TRUSTED EXECUTION ENVIRONMENT
GMT2732-US-PCT	United States Of America	THALES DIS FRANCE SA	09 déc 2016	15781427	03 janv 2019	20190005229	29 déc 2020	10878083	05 janv 2037	MOBILE DEVICE HAVING TRUSTED EXECUTION ENVIRONMENT
GMT2787-EP-EPT	European Procedure (Patents)	THALES DIS FRANCE SA	03 nov 2016	16794252.3	12 sept 2018	3371853			03 nov 2036	METHOD FOR MANUFACTURING A RADIOFREQUENCY ANTENNA ON A SUBSTRATE AND ANTENNA THUS OBTAINED
GMT2787-US-PCT	United States Of America	THALES DIS FRANCE SA	03 nov 2016	15770511	16 août 2018	20180233805			03 nov 2036	METHOD FOR MANUFACTURING A RADIOFREQUENCY ANTENNA ON A SUBSTRATE AND ANTENNA THUS OBTAINED
GMT2789-BR-PCT	Brazil	THALES DIS FRANCE SA	05 févr 2016	BR1120170171643					05 févr 2036	METHOD FOR REMOTE SUBSCRIPTION MANAGEMENT OF AN EUICC, CORRESPONDING TERMINAL
GMT2789-CA-PCT	Canada	THALES DIS FRANCE SA	05 févr 2016	2975540					05 févr 2036	METHOD FOR REMOTE SUBSCRIPTION MANAGEMENT OF AN EUICC, CORRESPONDING TERMINAL
GMT2789-CN-PCT	China	THALES DIS FRANCE SA	05 févr 2016	201680009951.2	26 sept 2017	107211270	17 nov 2020	ZL201680009951.2	05 févr 2036	METHOD FOR REMOTE SUBSCRIPTION MANAGEMENT OF AN EUICC, CORRESPONDING TERMINAL

GMT2789-DE-EPT	Germany	THALES DIS FRANCE SA	05 févr 2016	16703294.5	20 déc 2017	3257282	17 juin 2020	602016038175.3	05 févr 2036	METHOD FOR REMOTE SUBSCRIPTION MANAGEMENT OF AN EUICC, CORRESPONDING TERMINAL
GMT2789-EP-EPT	European Procedure (Patents)	THALES DIS FRANCE SA	05 févr 2016	16703294.5	20 déc 2017	3257282	17 juin 2020	3257282	05 févr 2036	METHOD FOR REMOTE SUBSCRIPTION MANAGEMENT OF AN EUICC, CORRESPONDING TERMINAL
GMT2789-FR-EPT	France	THALES DIS FRANCE SA	05 févr 2016	16703294.5	20 déc 2017	3257282	17 juin 2020	3257282	05 févr 2036	METHOD FOR REMOTE SUBSCRIPTION MANAGEMENT OF AN EUICC, CORRESPONDING TERMINAL
GMT2789-GB-EPT	United Kingdom	THALES DIS FRANCE SA	05 févr 2016	16703294.5	20 déc 2017	3257282	17 juin 2020	3257282	05 févr 2036	METHOD FOR REMOTE SUBSCRIPTION MANAGEMENT OF AN EUICC, CORRESPONDING TERMINAL
GMT2789-ID-PCT	Indonesia	THALES DIS FRANCE SA	05 févr 2016	P00201705293	26 janv 2018	201800753			05 févr 2036	METHOD FOR REMOTE SUBSCRIPTION MANAGEMENT OF AN EUICC, CORRESPONDING TERMINAL
GMT2789-JP-PCT	Japan	THALES DIS FRANCE SA	05 févr 2016	2017541945	26 avr 2018	2018511964	30 nov 2018	6442617	05 févr 2036	METHOD FOR REMOTE SUBSCRIPTION MANAGEMENT OF AN EUICC, CORRESPONDING TERMINAL
GMT2789-KR-PCT	South Korea / Republic of Korea	THALES DIS FRANCE SA	05 févr 2016	20177025268	17 oct 2017	20170115609	05 oct 2018	1907814	05 févr 2036	METHOD FOR REMOTE SUBSCRIPTION MANAGEMENT OF AN EUICC, CORRESPONDING TERMINAL
GMT2789-US-PCT	United States Of America	THALES DIS FRANCE SA	05 févr 2016	15549250	25 janv 2018	2018027410			05 févr 2036	METHOD FOR REMOTE SUBSCRIPTION MANAGEMENT OF AN EUICC, CORRESPONDING TERMINAL
GMT2796-EP-EPT	European Procedure (Patents)	THALES DIS FRANCE SA	30 mars 2016	16713854.4	07 févr 2018	3278591			30 mars 2036	METHOD AND CHIP FOR DETECTING A CORRUPTION OF AT LEAST ONE CONFIGURATION PARAMETER
GMT2796-JP-PCT	Japan	THALES DIS FRANCE SA	30 mars 2016	2017551037	12 avr 2018	2018510581	07 déc 2018	6445185	30 mars 2036	METHOD AND CHIP FOR DETECTING A CORRUPTION OF AT LEAST ONE CONFIGURATION PARAMETER
GMT2796-KR-PCT	South Korea / Republic of Korea	THALES DIS FRANCE SA	30 mars 2016	20177030966			18 juin 2019	101992287	30 mars 2036	METHOD AND CHIP FOR DETECTING A CORRUPTION OF AT LEAST ONE CONFIGURATION PARAMETER
GMT2796-US-PCT	United States Of America	THALES DIS FRANCE SA	30 mars 2016	15562023	30 août 2018	20180249397	15 sept 2020	10779220	01 juin 2036	METHOD AND CHIP FOR DETECTING A CORRUPTION OF AT LEAST ONE CONFIGURATION PARAMETER
GMT2797-CN-PCT	China	THALES DIS FRANCE SA	23 sept 2016	201680055601.X	11 mai 2018	108027719			23 sept 2036	RANDOM CLOCK GENERATOR
GMT2797-DE-EPT	Germany	THALES DIS FRANCE SA	23 sept 2016	16775609.7	01 août 2018	3353646	30 oct 2019	602016023408.4	23 sept 2036	RANDOM CLOCK GENERATOR
GMT2797-FR-EPT	France	THALES DIS FRANCE SA	23 sept 2016	16775609.7	01 août 2018	3353646	30 oct 2019	3353646	23 sept 2036	RANDOM CLOCK GENERATOR
GMT2797-GB-EPT	United Kingdom	THALES DIS FRANCE SA	23 sept 2016	16775609.7	01 août 2018	3353646	30 oct 2019	3353646	23 sept 2036	RANDOM CLOCK GENERATOR
GMT2797-JP-PCT	Japan	THALES DIS FRANCE SA	23 sept 2016	2018515643	27 sept 2018	2018528719	09 oct 2020	6776346	23 sept 2036	RANDOM CLOCK GENERATOR
GMT2797-KR-PCT	South Korea / Republic of Korea	THALES DIS FRANCE SA	23 sept 2016	1020187011803					23 sept 2036	RANDOM CLOCK GENERATOR
GMT2797-US-PCT	United States Of America	THALES DIS FRANCE SA	23 sept 2016	15762894	11 oct 2018	20180292857	17 déc 2019	15762894	29 déc 2036	RANDOM CLOCK GENERATOR
GMT2798-AU-PCT	Australia	THALES DIS FRANCE SA	18 avr 2016	2016250022	02 nov 2017	2016250022	23 janv 2020	2016250022	18 avr 2036	METHOD FOR MODIFYING THE EXECUTION OF A PLATFORM-INDEPENDENT METHOD OF AN INTEGRATED CIRCUIT CARD

GMT2798-CN-PCT	China	THALES DIS FRANCE SA	18 avr 2016	201680033976.6	27 févr 2018	107743614	16 oct 2020	ZL201680033976.6	18 avr 2036	METHOD FOR MODIFYING THE EXECUTION OF A PLATFORM-INDEPENDENT METHOD OF AN INTEGRATED CIRCUIT CARD
GMT2798-EP-EPT	European Procedure (Patents)	THALES DIS FRANCE SA	18 avr 2016	16719330.9	21 févr 2018	3283949			18 avr 2036	METHOD FOR MODIFYING THE EXECUTION OF A PLATFORM-INDEPENDENT METHOD OF AN INTEGRATED CIRCUIT CARD
GMT2798-US-PCT	United States Of America	THALES DIS FRANCE SA	18 avr 2016	15567238	19 avr 2018	20180107475	19 mars 2019	10235139	18 avr 2036	METHOD FOR MODIFYING THE EXECUTION OF A PLATFORM-INDEPENDENT METHOD OF AN INTEGRATED CIRCUIT CARD
GMT2808-EP-EPT	European Procedure (Patents)	THALES DIS FRANCE SA	08 mars 2016	16708671.9	31 janv 2018	3274946			08 mars 2036	A METHOD TO VALIDATE A DYNAMIC SECURITY CODE
GMT2808-US-PCT	United States Of America	THALES DIS FRANCE SA	08 mars 2016	15561837	19 avr 2018	20180108017			08 mars 2036	A METHOD TO VALIDATE A DYNAMIC SECURITY CODE
GMT2810-DE-EPT	Germany	THALES DIS FRANCE SA	18 nov 2016	16801741.6	03 oct 2018	3380974	18 mars 2020	602016032177.7	18 nov 2036	METHOD TO GENERATE A SECURE CODE
GMT2810-FR-EPT	France	THALES DIS FRANCE SA	18 nov 2016	16801741.6	03 oct 2018	3380974	18 mars 2020	3380974	18 nov 2036	METHOD TO GENERATE A SECURE CODE
GMT2810-GB-EPT	United Kingdom	THALES DIS FRANCE SA	18 nov 2016	16801741.6	03 oct 2018	3380974	18 mars 2020	3380974	18 nov 2036	METHOD TO GENERATE A SECURE CODE
GMT2810-US-PCT	United States Of America	THALES DIS FRANCE SA	18 nov 2016	PCTEP2016078133					18 nov 2036	METHOD TO GENERATE A SECURE CODE
GMT2812-AU-PCT	Australia	THALES DIS FRANCE SA	20 mai 2016	2016267549			19 sept 2019	2016267549	20 mai 2036	CIRCUIT ANTENNA RADIO FREQUENCY WITH IMBRICATED MUTUAL INDUCTANCES
GMT2812-CN-PCT	China	THALES DIS FRANCE SA	20 mai 2016	201680030272.3	23 janv 2018	107624204	14 août 2020	ZL201680030272.3	20 mai 2036	CIRCUIT ANTENNA RADIO FREQUENCY WITH IMBRICATED MUTUAL INDUCTANCES
GMT2812-EP-EPT	European Procedure (Patents)	THALES DIS FRANCE SA	20 mai 2016	16723784.1	11 avr 2018	3304432			20 mai 2036	CIRCUIT ANTENNA RADIO FREQUENCY WITH IMBRICATED MUTUAL INDUCTANCES
GMT2812-JP-PCT	Japan	THALES DIS FRANCE SA	20 mai 2016	2017560951	28 juin 2018	2018517358	14 juin 2019	6538202	20 mai 2036	CIRCUIT ANTENNA RADIO FREQUENCY WITH IMBRICATED MUTUAL INDUCTANCES
GMT2812-US-PCT	United States Of America	THALES DIS FRANCE SA	20 mai 2016	15576734	07 févr 2019	20190042907	28 juil 2020	10726324	20 mai 2036	CIRCUIT ANTENNA RADIO FREQUENCY WITH IMBRICATED MUTUAL INDUCTANCES
GMT2813-DE-EPT	Germany	THALES DIS FRANCE SA	24 mai 2016	16724648.7	11 avr 2018	3304847	24 juil 2019	602016017326.3	24 mai 2036	METHOD FOR MANAGING A SECURE CHANNEL BETWEEN A SERVER AND A SECURE ELEMENT
GMT2813-FR-EPT	France	THALES DIS FRANCE SA	24 mai 2016	16724648.7	11 avr 2018	3304847	24 juil 2019	3304847	24 mai 2036	METHOD FOR MANAGING A SECURE CHANNEL BETWEEN A SERVER AND A SECURE ELEMENT
GMT2813-GB-EPT	United Kingdom	THALES DIS FRANCE SA	24 mai 2016	16724648.7	11 avr 2018	3304847	24 juil 2019	3304847	24 mai 2036	METHOD FOR MANAGING A SECURE CHANNEL BETWEEN A SERVER AND A SECURE ELEMENT
GMT2813-US-PCT	United States Of America	THALES DIS FRANCE SA	24 mai 2016	15578895	21 juin 2018	20180176211	20 oct 2020	10812467	10 janv 2037	METHOD FOR MANAGING A SECURE CHANNEL BETWEEN A SERVER AND A SECURE ELEMENT
GMT2834-DE-EPT	Germany	THALES DIS FRANCE SA	23 mars 2016	16714330.4	28 févr 2017	3286682	14 août 2019	602016018574.1	23 mars 2036	METHOD OF MANAGING A SECURE ELEMENT
GMT2834-EP-EPT	European Procedure (Patents)	THALES DIS FRANCE SA	23 mars 2016	16714330.4	28 févr 2017	3286682	14 août 2019	3286682	23 mars 2036	METHOD OF MANAGING A SECURE ELEMENT
GMT2834-FR-EPT	France	THALES DIS FRANCE SA	23 mars 2016	16714330.4	28 févr 2017	3286682	14 août 2019	3286682	23 mars 2036	METHOD OF MANAGING A SECURE ELEMENT
GMT2834-GB-EPT	United Kingdom	THALES DIS FRANCE SA	23 mars 2016	16714330.4	28 févr 2017	3286682	14 août 2019	3286682	23 mars 2036	METHOD OF MANAGING A SECURE ELEMENT
GMT2834-US-PCT	United States Of America	THALES DIS FRANCE SA	23 mars 2016	15567770	19 avr 2018	20180107822	17 déc 2019	10509901	09 déc 2036	METHOD OF MANAGING A SECURE ELEMENT

GMT2836-DE-EPT	Germany	THALES DIS FRANCE SA	14 nov 2016	16795073.2	26 sept 2018	3378014	06 janv 2021	602016051077.4	14 nov 2036	METHOD OF PRODUCING CONDUCTING TRACKS ON A SUPPORT
GMT2836-EP-EPT	European Procedure (Patents)	THALES DIS FRANCE SA	14 nov 2016	16795073.2	26 sept 2018	3378014	06 janv 2021	3378014	14 nov 2036	METHOD OF PRODUCING CONDUCTING TRACKS ON A SUPPORT
GMT2836-FR-EPT	France	THALES DIS FRANCE SA	14 nov 2016	16795073.2	26 sept 2018	3378014	06 janv 2021	3378014	14 nov 2036	METHOD OF PRODUCING CONDUCTING TRACKS ON A SUPPORT
GMT2836-US-PCT	United States Of America	THALES DIS FRANCE SA	14 nov 2016	15772964	15 nov 2018	20180330220	24 mars 2020	10599971	14 nov 2036	METHOD OF PRODUCING CONDUCTING TRACKS ON A SUPPORT
GMT2842-DE-EPT	Germany	THALES DIS FRANCE SA	27 mai 2016	16725844.1	11 avr 2018	3304801	21 août 2019	3304801	27 mai 2036	SYSTEM AND METHOD FOR PROTECTING A CRYPTOGRAPHIC DEVICE AGAINST FAULT ATTACKS WHILE PERFORMING CRYPTOGRAPHIC NON-LINEAR OPERATIONS USING LINEAR ERROR CORRECTING CODES
GMT2842-FR-EPT	France	THALES DIS FRANCE SA	27 mai 2016	16725844.1	11 avr 2018	3304801	21 août 2019	3304801	27 mai 2036	SYSTEM AND METHOD FOR PROTECTING A CRYPTOGRAPHIC DEVICE AGAINST FAULT ATTACKS WHILE PERFORMING CRYPTOGRAPHIC NON-LINEAR OPERATIONS USING LINEAR ERROR CORRECTING CODES
GMT2842-GB-EPT	United Kingdom	THALES DIS FRANCE SA	27 mai 2016	16725844.1	11 avr 2018	3304801	21 août 2019	3304801	27 mai 2036	SYSTEM AND METHOD FOR PROTECTING A CRYPTOGRAPHIC DEVICE AGAINST FAULT ATTACKS WHILE PERFORMING CRYPTOGRAPHIC NON-LINEAR OPERATIONS USING LINEAR ERROR CORRECTING CODES
GMT2842-US-PCT	United States Of America	THALES DIS FRANCE SA	27 mai 2016	15578033	03 mai 2018	20180123778	02 juin 2020	10673610	21 déc 2036	SYSTEM AND METHOD FOR PROTECTING A CRYPTOGRAPHIC DEVICE AGAINST FAULT ATTACKS WHILE PERFORMING CRYPTOGRAPHIC NON-LINEAR OPERATIONS USING LINEAR ERROR CORRECTING CODES
GMT2846-EP-EPT	European Procedure (Patents)	THALES DIS FRANCE SA	05 juil 2016	16736086.6	20 juin 2018	3335366			05 juil 2036	METHOD TO SECURE KECCAK ALGORITHM
GMT2847-AU-PCD	Australia	THALES DIS FRANCE SA	28 avr 2016	2020244394					28 avr 2036	
GMT2847-EP-EPT	European Procedure (Patents)	THALES DIS FRANCE SA	28 avr 2016	16720797.6	07 mars 2018	3289790			28 avr 2036	METHOD, REQUESTER DEVICE, VERIFIER DEVICE AND SERVER FOR PROVING AT LEAST ONE PIECE OF USER INFORMATION
GMT2847-US-PCT	United States Of America	THALES DIS FRANCE SA	28 avr 2016	15569481	18 oct 2018	20180302224			28 avr 2036	METHOD, REQUESTER DEVICE, VERIFIER DEVICE AND SERVER FOR PROVING AT LEAST ONE PIECE OF USER INFORMATION
GMT2849-DE-EPT	Germany	THALES DIS FRANCE SA	20 oct 2016	16791338.3	05 sept 2018	3369024	06 mars 2019	602016010820.8	20 oct 2036	METHOD, PRINTING DEVICE AND SYSTEM FOR PRINTING A THREE DIMENSIONAL OBJECT
GMT2849-ES-EPT	Spain	THALES DIS FRANCE SA	20 oct 2016	16791338.3	05 sept 2018	3369024	06 mars 2019	3369024	20 oct 2036	METHOD, PRINTING DEVICE AND SYSTEM FOR PRINTING A THREE DIMENSIONAL OBJECT
GMT2849-FR-EPT	France	THALES DIS FRANCE SA	20 oct 2016	16791338.3	05 sept 2018	3369024	06 mars 2019	3369024	20 oct 2036	METHOD, PRINTING DEVICE AND SYSTEM FOR PRINTING A THREE DIMENSIONAL OBJECT
GMT2849-GB-EPT	United Kingdom	THALES DIS FRANCE SA	20 oct 2016	16791338.3	05 sept 2018	3369024	06 mars 2019	3369024	20 oct 2036	METHOD, PRINTING DEVICE AND SYSTEM FOR PRINTING A THREE DIMENSIONAL OBJECT
GMT2849-IT-EPT	Italy	THALES DIS FRANCE SA	20 oct 2016	16791338.3	05 sept 2018	3369024	06 mars 2019	502019000036555	20 oct 2036	METHOD, PRINTING DEVICE AND SYSTEM FOR PRINTING A THREE DIMENSIONAL OBJECT
GMT2849-US-PCT	United States Of America	THALES DIS FRANCE SA	20 oct 2016	15769545	25 oct 2018	20180307813	18 févr 2020	10565356	20 oct 2036	METHOD, PRINTING DEVICE AND SYSTEM FOR PRINTING A THREE DIMENSIONAL OBJECT
GMT2853-DE-EPT	Germany	THALES DIS FRANCE SA	16 sept 2016	16775110.6	25 juil 2018	3350956	04 déc 2019	3350956	16 sept 2036	ELECTRONIC VOTING USING SECURE ELECTRONIC IDENTITY DEVICE

GMT2853-FR-EPT	France	THALES DIS FRANCE SA	16 sept 2016	16775110.6	25 juil 2018	3350956	04 déc 2019	3350956	16 sept 2036	ELECTRONIC VOTING USING SECURE ELECTRONIC IDENTITY DEVICE
GMT2853-US-PCT	United States Of America	THALES DIS FRANCE SA	16 sept 2016	15761102					16 sept 2036	ELECTRONIC VOTING USING SECURE ELECTRONIC IDENTITY DEVICE
GMT2855-EP-EPT	European Procedure (Patents)	THALES DIS FRANCE SA	16 déc 2016	16813064.9	07 nov 2018	3398140			16 déc 2036	METHOD, SERVER AND SYSTEM FOR AUTHORIZING A TRANSACTION
GMT2855-US-NP	United States Of America	THALES DIS FRANCE SA	30 déc 2015	14984804	06 juil 2017	20170193500	30 juin 2020	10699268	07 juin 2038	METHOD, SERVER AND SYSTEM FOR AUTHORIZING A TRANSACTION
GMT2858-CN-PCT	China	THALES DIS FRANCE SA	25 avr 2016	201680026203.5	02 janv 2018	107534674	16 mars 2021	ZL201680026203.5	25 avr 2036	METHOD OF MANAGING ACCESS TO A SERVICE
GMT2858-DE-EPT	Germany	THALES DIS FRANCE SA	25 avr 2016	16722545.7	14 mars 2018	3292709	05 juin 2019	602016014832.3	25 avr 2036	METHOD OF MANAGING ACCESS TO A SERVICE
GMT2858-FR-EPT	France	THALES DIS FRANCE SA	25 avr 2016	16722545.7	14 mars 2018	3292709	05 juin 2019	3292709	25 avr 2036	METHOD OF MANAGING ACCESS TO A SERVICE
GMT2858-GB-EPT	United Kingdom	THALES DIS FRANCE SA	25 avr 2016	16722545.7	14 mars 2018	3292709	05 juin 2019	3292709	25 avr 2036	METHOD OF MANAGING ACCESS TO A SERVICE
GMT2858-JP-PCT	Japan	THALES DIS FRANCE SA	25 avr 2016	2017555460			08 févr 2019	6475366	25 avr 2036	METHOD OF MANAGING ACCESS TO A SERVICE
GMT2858-KR-PCT	South Korea / Republic of Korea	THALES DIS FRANCE SA	25 avr 2016	1020177032008			23 janv 2019	101943786	25 avr 2036	METHOD OF MANAGING ACCESS TO A SERVICE
GMT2858-US-PCT	United States Of America	THALES DIS FRANCE SA	25 avr 2016	15568192	29 mars 2018	20180091977	02 avr 2019	10251062	25 avr 2036	METHOD OF MANAGING ACCESS TO A SERVICE
GMT2862-EP-EPT	European Procedure (Patents)	THALES DIS FRANCE SA	25 sept 2015	15770871.0	28 févr 2018	3286707			25 sept 2035	USER AUTHENTICATION METHOD BASED ON BANKING PAYMENT PROCESSING
GMT2862-US-PCT	United States Of America	THALES DIS FRANCE SA	25 sept 2015	15568108					25 sept 2035	USER AUTHENTICATION METHOD BASED ON BANKING PAYMENT PROCESSING
GMT2865-CN-PCT	China	THALES DIS FRANCE SA	13 avr 2016	201680022512.5	02 janv 2018	107533516A			13 avr 2036	DEVICE FOR MANAGING MULTIPLE ACCESSES TO A SECURE MODULE OF A SYSTEM ON CHIP OF AN APPARATUS
GMT2865-DE-EPT	Germany	THALES DIS FRANCE SA	13 avr 2016	16719274.9	21 févr 2018	3284207	05 juin 2019	602016014814.5	13 avr 2036	DEVICE FOR MANAGING MULTIPLE ACCESSES TO A SECURE MODULE OF A SYSTEM ON CHIP OF AN APPARATUS
GMT2865-FR-EPT	France	THALES DIS FRANCE SA	13 avr 2016	16719274.9	21 févr 2018	3284207	05 juin 2019	3284207	13 avr 2036	DEVICE FOR MANAGING MULTIPLE ACCESSES TO A SECURE MODULE OF A SYSTEM ON CHIP OF AN APPARATUS
GMT2865-GB-EPT	United Kingdom	THALES DIS FRANCE SA	13 avr 2016	16719274.9	21 févr 2018	3284207	05 juin 2019	3284207	13 avr 2036	DEVICE FOR MANAGING MULTIPLE ACCESSES TO A SECURE MODULE OF A SYSTEM ON CHIP OF AN APPARATUS
GMT2865-KR-PCT	South Korea / Republic of Korea	THALES DIS FRANCE SA	13 avr 2016	20177027196					13 avr 2036	DEVICE FOR MANAGING MULTIPLE ACCESSES TO A SECURE MODULE OF A SYSTEM ON CHIP OF AN APPARATUS
GMT2865-US-PCT	United States Of America	THALES DIS FRANCE SA	13 avr 2016	15567346	05 avr 2018	20180097781	23 juin 2020	10693842	19 oct 2036	DEVICE FOR MANAGING MULTIPLE ACCESSES TO A SECURE MODULE OF A SYSTEM ON CHIP OF AN APPARATUS
GMT2870-EP-EPT	European Procedure (Patents)	THALES DIS FRANCE SA	18 avr 2016	16719340.8	14 mars 2018	3292504			18 avr 2036	SECURE ELEMENT WITH SHARED MEMORIES, FOR A MULTI-IMAGE OWNER DEVICE
GMT2870-US-PCT	United States Of America	THALES DIS FRANCE SA	18 avr 2016	15572118			09 févr 2021	10915634	16 mars 2037	SECURE ELEMENT WITH SHARED MEMORIES, FOR A MULTI-IMAGE OWNER DEVICE
GMT2872-CN-PCT	China	THALES DIS FRANCE SA	05 juil 2016	201680050928.8	17 avr 2018	107925878			05 juil 2036	METHOD TO AUTHENTICATE A SUBSCRIBER IN A LOCAL NETWORK

GMT2872-EP-EPT	European Procedure (Patents)	THALES DIS FRANCE SA	05 juil 2016	16736089.0	11 juil 2018	3345417			05 juil 2036	METHOD TO AUTHENTICATE A SUBSCRIBER IN A LOCAL NETWORK
GMT2872-JP-PCT	Japan	THALES DIS FRANCE SA	05 juil 2016	2018511400					05 juil 2036	METHOD TO AUTHENTICATE A SUBSCRIBER IN A LOCAL NETWORK
GMT2872-US-PCT	United States Of America	THALES DIS FRANCE SA	05 juil 2016	15756700	27 sept 2018	20180279123	30 mars 2021	10965657	31 mars 2037	METHOD TO AUTHENTICATE A SUBSCRIBER IN A LOCAL NETWORK
GMT2873-US-NP	United States Of America	THALES DIS FRANCE SA	23 mars 2016	15078869	28 sept 2017	20170279600	05 juin 2018	9992013	20 sept 2036	SYSTEM AND METHOD FOR PROVIDING DEFENCE TO A CRYPTOGRAPHIC DEVICE AGAINST SIDE-CHANNEL ATTACKS TARGETING THE EXTENDED EUCLIDEAN ALGORITHM DURING DECRYPTION OPERATIONS
GMT2883-CN-PCT	China	THALES DIS FRANCE SA	06 sept 2016	201680060073.7	08 juin 2018	108141723	12 mars 2021	ZL201680060073.7	06 sept 2036	METHOD OF MANAGING AN APPLICATION
GMT2883-DE-EPT	Germany	THALES DIS FRANCE SA	06 sept 2016	16760730.8	22 août 2018	3363215	30 oct 2019	602016023367.3	06 sept 2036	METHOD OF MANAGING AN APPLICATION
GMT2883-ES-EPT	Spain	THALES DIS FRANCE SA	06 sept 2016	16760730.8	22 août 2018	3363215	30 oct 2019	3363215	06 sept 2036	METHOD OF MANAGING AN APPLICATION
GMT2883-FR-EPT	France	THALES DIS FRANCE SA	06 sept 2016	16760730.8	22 août 2018	3363215	30 oct 2019	3363215	06 sept 2036	METHOD OF MANAGING AN APPLICATION
GMT2883-GB-EPT	United Kingdom	THALES DIS FRANCE SA	06 sept 2016	16760730.8	22 août 2018	3363215	30 oct 2019	3363215	06 sept 2036	METHOD OF MANAGING AN APPLICATION
GMT2883-IT-EPT	Italy	THALES DIS FRANCE SA	06 sept 2016	16760730.8	22 août 2018	3363215	30 oct 2019	502020000003259	06 sept 2036	METHOD OF MANAGING AN APPLICATION
GMT2883-JP-PCT	Japan	THALES DIS FRANCE SA	06 sept 2016	2018518601			26 avr 2019	6517435	06 sept 2036	METHOD OF MANAGING AN APPLICATION
GMT2883-KR-PCT	South Korea / Republic of Korea	THALES DIS FRANCE SA	06 sept 2016	20187010237			23 sept 2019	102026279	06 sept 2036	METHOD OF MANAGING AN APPLICATION
GMT2883-US-PCT	United States Of America	THALES DIS FRANCE SA	06 sept 2016	15768211	01 nov 2018	20180314810	02 mars 2021	10939265	30 nov 2036	METHOD OF MANAGING AN APPLICATION
GMT2884-CN-PCT	China	THALES DIS FRANCE SA	23 juin 2016	201680037130.X	02 mars 2018	107750470			23 juin 2036	A METHOD OF REPLACING AT LEAST ONE AUTHENTICATION PARAMETER FOR AUTHENTICATING A SECURITY ELEMENT AND CORRESPONDING SECURITY ELEMENT
GMT2884-DE-EPT	Germany	THALES DIS FRANCE SA	23 juin 2016	16733403.6	02 mai 2018	3314935	19 août 2020	602016042267.0	23 juin 2036	A METHOD OF REPLACING AT LEAST ONE AUTHENTICATION PARAMETER FOR AUTHENTICATING A SECURITY ELEMENT AND CORRESPONDING SECURITY ELEMENT
GMT2884-EP-EPT	European Procedure (Patents)	THALES DIS FRANCE SA	23 juin 2016	16733403.6	02 mai 2018	3314935	19 août 2020	3314935	23 juin 2036	A METHOD OF REPLACING AT LEAST ONE AUTHENTICATION PARAMETER FOR AUTHENTICATING A SECURITY ELEMENT AND CORRESPONDING SECURITY ELEMENT
GMT2884-ES-EPT	Spain	THALES DIS FRANCE SA	23 juin 2016	16733403.6	02 mai 2018	3314935	19 août 2020	3314935	23 juin 2036	A METHOD OF REPLACING AT LEAST ONE AUTHENTICATION PARAMETER FOR AUTHENTICATING A SECURITY ELEMENT AND CORRESPONDING SECURITY ELEMENT
GMT2884-FR-EPT	France	THALES DIS FRANCE SA	23 juin 2016	16733403.6	02 mai 2018	3314935	19 août 2020	3314935	23 juin 2036	A METHOD OF REPLACING AT LEAST ONE AUTHENTICATION PARAMETER FOR AUTHENTICATING A SECURITY ELEMENT AND CORRESPONDING SECURITY ELEMENT
GMT2884-GB-EPT	United Kingdom	THALES DIS FRANCE SA	23 juin 2016	16733403.6	02 mai 2018	3314935	19 août 2020	3314935	23 juin 2036	A METHOD OF REPLACING AT LEAST ONE AUTHENTICATION PARAMETER FOR AUTHENTICATING A SECURITY ELEMENT AND CORRESPONDING SECURITY ELEMENT

GMT2884-IT-EPT	Italy	THALES DIS FRANCE SA	23 juin 2016	16733403.6	02 mai 2018	3314935	19 août 2020	502020000110013	23 juin 2036	A METHOD OF REPLACING AT LEAST ONE AUTHENTICATION PARAMETER FOR AUTHENTICATING A SECURITY ELEMENT AND CORRESPONDING SECURITY ELEMENT
GMT2884-JP-PCT	Japan	THALES DIS FRANCE SA	23 juin 2016	2017566751	20 sept 2018	2018527778	06 sept 2019	6581221	23 juin 2036	A METHOD OF REPLACING AT LEAST ONE AUTHENTICATION PARAMETER FOR AUTHENTICATING A SECURITY ELEMENT AND CORRESPONDING SECURITY ELEMENT
GMT2884-KR-PCT	South Korea / Republic of Korea	THALES DIS FRANCE SA	23 juin 2016	20187002311			24 mars 2020	102095136	23 juin 2036	A METHOD OF REPLACING AT LEAST ONE AUTHENTICATION PARAMETER FOR AUTHENTICATING A SECURITY ELEMENT AND CORRESPONDING SECURITY ELEMENT
GMT2884-NL-EPT	Netherlands	THALES DIS FRANCE SA	23 juin 2016	16733403.6	02 mai 2018	3314935	19 août 2020	3314935	23 juin 2036	A METHOD OF REPLACING AT LEAST ONE AUTHENTICATION PARAMETER FOR AUTHENTICATING A SECURITY ELEMENT AND CORRESPONDING SECURITY ELEMENT
GMT2884-US-PCT	United States Of America	THALES DIS FRANCE SA	23 juin 2016	15737438	21 juin 2018	20180176778	23 mars 2021	10959094	13 oct 2036	A METHOD OF REPLACING AT LEAST ONE AUTHENTICATION PARAMETER FOR AUTHENTICATING A SECURITY ELEMENT AND CORRESPONDING SECURITY ELEMENT
GMT2899-CN-PCT	China	THALES DIS FRANCE SA	12 déc 2016	201680073131.X	03 août 2018	108369658			12 déc 2036	RADIOFREQUENCY DEVICE WITH ADJUSTABLE LC CIRCUIT COMPRISING AN ELECTRICAL AND/OR ELECTRONIC MODULE
GMT2899-DE-EPT	Germany	THALES DIS FRANCE SA	12 déc 2016	16809073.6	24 oct 2018	3391291	02 sept 2020	602016043361.3	12 déc 2036	RADIOFREQUENCY DEVICE WITH ADJUSTABLE LC CIRCUIT COMPRISING AN ELECTRICAL AND/OR ELECTRONIC MODULE
GMT2899-EP-EPT	European Procedure (Patents)	THALES DIS FRANCE SA	12 déc 2016	16809073.6	24 oct 2018	3391291	02 sept 2020	3391291	12 déc 2036	RADIOFREQUENCY DEVICE WITH ADJUSTABLE LC CIRCUIT COMPRISING AN ELECTRICAL AND/OR ELECTRONIC MODULE
GMT2899-FR-EPT	France	THALES DIS FRANCE SA	12 déc 2016	16809073.6	24 oct 2018	3391291	02 sept 2020	3391291	12 déc 2036	RADIOFREQUENCY DEVICE WITH ADJUSTABLE LC CIRCUIT COMPRISING AN ELECTRICAL AND/OR ELECTRONIC MODULE
GMT2899-GB-EPT	United Kingdom	THALES DIS FRANCE SA	12 déc 2016	16809073.6	24 oct 2018	3391291	02 sept 2020	3391291	12 déc 2036	RADIOFREQUENCY DEVICE WITH ADJUSTABLE LC CIRCUIT COMPRISING AN ELECTRICAL AND/OR ELECTRONIC MODULE
GMT2899-JP-PCT	Japan	THALES DIS FRANCE SA	12 déc 2016	2018531215			17 févr 2020	6663015	12 déc 2036	RADIOFREQUENCY DEVICE WITH ADJUSTABLE LC CIRCUIT COMPRISING AN ELECTRICAL AND/OR ELECTRONIC MODULE
GMT2899-SG-PCT	Singapore	THALES DIS FRANCE SA	12 déc 2016	PCTEP2016080698					12 déc 2036	RADIOFREQUENCY DEVICE WITH ADJUSTABLE LC CIRCUIT COMPRISING AN ELECTRICAL AND/OR ELECTRONIC MODULE
GMT2899-US-PCT	United States Of America	THALES DIS FRANCE SA	12 déc 2016	16061373	27 déc 2018	20180373970			12 déc 2036	RADIOFREQUENCY DEVICE WITH ADJUSTABLE LC CIRCUIT COMPRISING AN ELECTRICAL AND/OR ELECTRONIC MODULE
GMT2908-DE-EPT	Germany	THALES DIS FRANCE SA	27 sept 2016	16775186.6	29 août 2018	3366050	22 mai 2019	3366050	27 sept 2036	METHOD FOR UPDATING A PACKAGE
GMT2908-FR-EPT	France	THALES DIS FRANCE SA	27 sept 2016	16775186.6	29 août 2018	3366050	22 mai 2019	3366050	27 sept 2036	METHOD FOR UPDATING A PACKAGE
GMT2908-GB-EPT	United Kingdom	THALES DIS FRANCE SA	27 sept 2016	16775186.6	29 août 2018	3366050	22 mai 2019	3366050	27 sept 2036	METHOD FOR UPDATING A PACKAGE
GMT2908-US-PCT	United States Of America	THALES DIS FRANCE SA	27 sept 2016	15767395	18 oct 2018	20180300120	01 oct 2019	10430177	27 sept 2036	METHOD FOR UPDATING A PACKAGE
GMT2925-EP-EPT	European Procedure (Patents)	THALES DIS FRANCE SA	21 déc 2016	16819553.5	31 oct 2018	3394811			21 déc 2036	METHOD AND SYSTEM FOR ENHANCING THE SECURITY OF A TRANSACTION

GMT2925-MX-PCT	Mexico	THALES DIS FRANCE SA	21 déc 2016	MX2018007693					21 déc 2036	METHOD AND SYSTEM FOR ENHANCING THE SECURITY OF A TRANSACTION
GMT2925-US-PCT	United States Of America	THALES DIS FRANCE SA	21 déc 2016	16065793	10 janv 2019	20190012672			21 déc 2036	METHOD AND SYSTEM FOR ENHANCING THE SECURITY OF A TRANSACTION
GMT2931-EP-EPT	European Procedure (Patents)	THALES DIS FRANCE SA	25 nov 2016	16801256.5	03 oct 2018	3381038			25 nov 2036	ELECTRONIC DEVICE WITH MEMORY ERASED BY PAGE
GMT2931-US-PCT	United States Of America	THALES DIS FRANCE SA	25 nov 2016	15779311	15 nov 2018	20180330795	23 mars 2021	10957398	06 déc 2036	ELECTRONIC DEVICE WITH MEMORY ERASED BY PAGE
GMT2936-EP-EPT	European Procedure (Patents)	THALES DIS FRANCE SA	05 déc 2016	16808979.5	17 oct 2018	3387599			05 déc 2036	A COMMUNICATION SYSTEM COMPRISING A LOCAL PAYMENT KERNEL
GMT2938-EP-EPT	European Procedure (Patents)	THALES DIS FRANCE SA	21 déc 2016	16816293.1	31 oct 2018	3394778			21 déc 2036	METHOD AND SYSTEM FOR ENHANCING THE SECURITY OF A TRANSACTION
GMT2938-MX-PCT	Mexico	THALES DIS FRANCE SA	21 déc 2016	MX2018007696	14 sept 2018	MX2018007696			21 déc 2036	METHOD AND SYSTEM FOR ENHANCING THE SECURITY OF A TRANSACTION
GMT2938-US-PCT	United States Of America	THALES DIS FRANCE SA	21 déc 2016	16064462	03 janv 2019	20190005493			21 déc 2036	METHOD AND SYSTEM FOR ENHANCING THE SECURITY OF A TRANSACTION
GMT2968-EP-EPT	European Procedure (Patents)	THALES DIS FRANCE SA	20 déc 2016	16815856.6	31 oct 2018	3395006			20 déc 2036	METHOD FOR MANAGING A TRUSTED IDENTITY
GMT2968-HK-NP	Hong Kong	THALES DIS FRANCE SA	20 déc 2016	18114227.6	08 sept 2019	1255142			20 déc 2036	METHOD FOR MANAGING A TRUSTED IDENTITY
GMT2968-JP-PCD	Japan	THALES DIS FRANCE SA	20 déc 2016	2020091212					20 déc 2036	
GMT2968-JP-PCT	Japan	THALES DIS FRANCE SA	20 déc 2016	2018551509					20 déc 2036	METHOD FOR MANAGING A TRUSTED IDENTITY
GMT2968-SG-PCT	Singapore	THALES DIS FRANCE SA	20 déc 2016	11201804361 Y			27 oct 2020	11201804361 Y	20 déc 2036	METHOD FOR MANAGING A TRUSTED IDENTITY
GMT2968-US-DIV	United States Of America	THALES DIS FRANCE SA	22 déc 2015	16108578	13 déc 2018	20180359092	02 juin 2020	10673632	22 déc 2035	METHOD FOR MANAGING A TRUSTED IDENTITY
GMT2968-US-NP	United States Of America	THALES DIS FRANCE SA	22 déc 2015	14978568	22 juin 2017	20170180128	18 sept 2018	10079682	15 août 2036	METHOD FOR MANAGING A TRUSTED IDENTITY
GMT2969-EP-EPT	European Procedure (Patents)	THALES DIS FRANCE SA	21 déc 2016	16819088.2	31 oct 2018	3394788			21 déc 2036	METHOD AND SYSTEM FOR ENHANCING THE SECURITY OF A TRANSACTION
GMT2969-MX-PCT	Mexico	THALES DIS FRANCE SA	21 déc 2016	MX2018007695					21 déc 2036	METHOD AND SYSTEM FOR ENHANCING THE SECURITY OF A TRANSACTION
GMT2969-US-PCT	United States Of America	THALES DIS FRANCE SA	21 déc 2016	16065794	10 janv 2019	20190012664			21 déc 2036	METHOD AND SYSTEM FOR ENHANCING THE SECURITY OF A TRANSACTION
GMT2985-CN-PCT	China	THALES DIS FRANCE SA	28 févr 2017	201780028492.7	21 déc 2018	109074574			28 févr 2037	A METHOD TO COMPENSATE BY A SERVER A CLOCK DEVIATION OF A CARD
GMT2985-DE-EPT	Germany	THALES DIS FRANCE SA	28 févr 2017	17707567.8	16 janv 2019	3427211	02 sept 2020	602017022750.1	28 févr 2037	A METHOD TO COMPENSATE BY A SERVER A CLOCK DEVIATION OF A CARD
GMT2985-EP-EPT	European Procedure (Patents)	THALES DIS FRANCE SA	28 févr 2017	17707567.8	16 janv 2019	3427211	02 sept 2020	3427211	28 févr 2037	A METHOD TO COMPENSATE BY A SERVER A CLOCK DEVIATION OF A CARD
GMT2985-FR-EPT	France	THALES DIS FRANCE SA	28 févr 2017	17707567.8	16 janv 2019	3427211	02 sept 2020	3427211	28 févr 2037	A METHOD TO COMPENSATE BY A SERVER A CLOCK DEVIATION OF A CARD
GMT2985-GB-EPT	United Kingdom	THALES DIS FRANCE SA	28 févr 2017	17707567.8	16 janv 2019	3427211	02 sept 2020	3427211	28 févr 2037	A METHOD TO COMPENSATE BY A SERVER A CLOCK DEVIATION OF A CARD

GMT2985-MX-PCT	Mexico	THALES DIS FRANCE SA	28 févr 2017	MX2018010873					28 févr 2037	A METHOD TO COMPENSATE BY A SERVER A CLOCK DEVIATION OF A CARD
GMT2985-US-PCT	United States Of America	THALES DIS FRANCE SA	28 févr 2017	16083504	24 sept 2020	20200301467			28 févr 2037	A METHOD TO COMPENSATE BY A SERVER A CLOCK DEVIATION OF A CARD
GMT2988-CN-PCT	China	THALES DIS FRANCE SA	15 sept 2016	201680060911.0	08 juin 2018	108141732			15 sept 2036	METHOD FOR MANAGING APPLICATIONS IN A SECURE ELEMENT
GMT2988-DE-EPT	Germany	THALES DIS FRANCE SA	15 sept 2016	16769946.1	29 août 2018	3366049	30 oct 2019	602016023390.8	15 sept 2036	METHOD FOR MANAGING APPLICATIONS IN A SECURE ELEMENT
GMT2988-ES-EPT	Spain	THALES DIS FRANCE SA	15 sept 2016	16769946.1	29 août 2018	3366049	30 oct 2019	3366049	15 sept 2036	METHOD FOR MANAGING APPLICATIONS IN A SECURE ELEMENT
GMT2988-FR-EPT	France	THALES DIS FRANCE SA	15 sept 2016	16769946.1	29 août 2018	3366049	30 oct 2019	3366049	15 sept 2036	METHOD FOR MANAGING APPLICATIONS IN A SECURE ELEMENT
GMT2988-GB-EPT	United Kingdom	THALES DIS FRANCE SA	15 sept 2016	16769946.1	29 août 2018	3366049	30 oct 2019	3366049	15 sept 2036	METHOD FOR MANAGING APPLICATIONS IN A SECURE ELEMENT
GMT2988-JP-PCT	Japan	THALES DIS FRANCE SA	15 sept 2016	2018519760			03 mars 2020	6670378	15 sept 2036	METHOD FOR MANAGING APPLICATIONS IN A SECURE ELEMENT
GMT2988-KR-PCT	South Korea / Republic of Korea	THALES DIS FRANCE SA	15 sept 2016	20187010624			16 oct 2019	102035440	15 sept 2036	METHOD FOR MANAGING APPLICATIONS IN A SECURE ELEMENT
GMT2988-NL-EPT	Netherlands	THALES DIS FRANCE SA	15 sept 2016	16769946.1	29 août 2018	3366049	30 oct 2019	3366049	15 sept 2036	METHOD FOR MANAGING APPLICATIONS IN A SECURE ELEMENT
GMT2988-US-PCT	United States Of America	THALES DIS FRANCE SA	15 sept 2016	15769145	25 oct 2018	20180310148	11 juin 2019	10321288	15 sept 2036	METHOD FOR MANAGING APPLICATIONS IN A SECURE ELEMENT
GMT2997-DE-EPT	Germany	THALES DIS FRANCE SA	29 nov 2016	16802064.2	10 oct 2018	3384383	18 sept 2019	602016020992.6	29 nov 2036	METHOD FOR MANAGING A PACKAGE IN A SECURE ELEMENT
GMT2997-FR-EPT	France	THALES DIS FRANCE SA	29 nov 2016	16802064.2	10 oct 2018	3384383	18 sept 2019	3384383	29 nov 2036	METHOD FOR MANAGING A PACKAGE IN A SECURE ELEMENT
GMT2997-GB-EPT	United Kingdom	THALES DIS FRANCE SA	29 nov 2016	16802064.2	10 oct 2018	3384383	18 sept 2019	3384383	29 nov 2036	METHOD FOR MANAGING A PACKAGE IN A SECURE ELEMENT
GMT2997-JP-PCT	Japan	THALES DIS FRANCE SA	29 nov 2016	2018522509			26 juil 2019	6560824	29 nov 2036	METHOD FOR MANAGING A PACKAGE IN A SECURE ELEMENT
GMT2997-KR-PCT	South Korea / Republic of Korea	THALES DIS FRANCE SA	29 nov 2016	1020187015286			31 mars 2020	102097644	29 nov 2036	METHOD FOR MANAGING A PACKAGE IN A SECURE ELEMENT
GMT2997-US-PCT	United States Of America	THALES DIS FRANCE SA	29 nov 2016	15779983	13 déc 2018	20180357059	12 nov 2019	10474447	29 nov 2036	METHOD FOR MANAGING A PACKAGE IN A SECURE ELEMENT
GMT3006-CN-PCT	China	THALES DIS FRANCE SA	13 déc 2016	201680073410.6	03 août 2018	108370087	09 oct 2019	ZL201680073410.6	13 déc 2036	SINGLE FACE ANTENNA MODULE COMPRISING CMS DEVICE
GMT3006-EP-EPT	European Procedure (Patents)	THALES DIS FRANCE SA	13 déc 2016	16819307.6	24 oct 2018	3391460			13 déc 2036	SINGLE FACE ANTENNA MODULE COMPRISING CMS DEVICE
GMT3006-SG-PCT	Singapore	THALES DIS FRANCE SA	13 déc 2016	11201804394R					13 déc 2036	SINGLE FACE ANTENNA MODULE COMPRISING CMS DEVICE
GMT3006-US-PCT	United States Of America	THALES DIS FRANCE SA	13 déc 2016	15780465	06 déc 2018	20180351233	13 oct 2020	10804594	13 déc 2036	SINGLE FACE ANTENNA MODULE COMPRISING CMS DEVICE
GMT3013-AU-PCD	Australia	THALES DIS FRANCE SA	20 oct 2016	2020202106					20 oct 2036	
GMT3013-BR-PCT	Brazil	THALES DIS FRANCE SA	20 oct 2016	1120180102873					20 oct 2036	METHOD, DEVICE, SERVER AND SYSTEM FOR AUTHENTICATING A USER
GMT3013-EP-EPT	European Procedure (Patents)	THALES DIS FRANCE SA	20 oct 2016	16787776.0	26 sept 2018	3391266			20 oct 2036	METHOD, DEVICE, SERVER AND SYSTEM FOR AUTHENTICATING A USER

GMT3013-MX-PCT	Mexico	THALES DIS FRANCE SA	20 oct 2016	MX2018007332	14 sept 2018	MX2018007332			20 oct 2036	METHOD, DEVICE, SERVER AND SYSTEM FOR AUTHENTICATING A USER
GMT3013-SG-PCD	Singapore	THALES DIS FRANCE SA	20 oct 2016	10202005715Q	29 juil 2020	10202005715Q			20 oct 2036	
GMT3013-SG-PCT	Singapore	THALES DIS FRANCE SA	20 oct 2016	11201803830P					20 oct 2036	METHOD, DEVICE, SERVER AND SYSTEM FOR AUTHENTICATING A USER
GMT3013-US-PCT	United States Of America	THALES DIS FRANCE SA	20 oct 2016	16062812	29 août 2019	20190266603			20 oct 2036	METHOD, DEVICE, SERVER AND SYSTEM FOR AUTHENTICATING A USER
GMT3039-EP-EPT	European Procedure (Patents)	THALES DIS FRANCE SA	30 nov 2018	18807652.5	13 mai 2020	3718245			30 nov 2038	CRYPTOGRAPHY DEVICE HAVING IMPROVED SECURITY AGAINST SIDE-CHANNEL ATTACKS
GMT3039-US-PCT	United States Of America	THALES DIS FRANCE SA	30 nov 2018	16768683					30 nov 2038	CRYPTOGRAPHY DEVICE HAVING IMPROVED SECURITY AGAINST SIDE-CHANNEL ATTACKS
GMT3040-EP-EPT	European Procedure (Patents)	THALES DIS FRANCE SA	30 nov 2018	18807668.1	07 oct 2020	3718250			30 nov 2038	CRYPTOGRAPHY DEVICE HAVING SECURE PROVISION OF RANDOM NUMBER SEQUENCES
GMT3040-US-PCT	United States Of America	THALES DIS FRANCE SA	30 nov 2018	16767926	26 nov 2020	20200374100			30 nov 2038	CRYPTOGRAPHY DEVICE HAVING SECURE PROVISION OF RANDOM NUMBER SEQUENCES
GMT3048-BR-PCT	Brazil	THALES DIS FRANCE SA	15 mai 2017	1120180735191					15 mai 2037	METHOD FOR PROVISIONING AN APPLLET WITH CREDENTIALS OF A TERMINAL APPLICATION PROVIDED BY AN APPLICATION SERVER AND CORRESPONDING OTA PLATFORM
GMT3048-DE-EPT	Germany	THALES DIS FRANCE SA	15 mai 2017	17722481.3	27 mars 2019	3459269	29 avr 2020	602017015729.5	15 mai 2037	METHOD FOR PROVISIONING AN APPLLET WITH CREDENTIALS OF A TERMINAL APPLICATION PROVIDED BY AN APPLICATION SERVER AND CORRESPONDING OTA PLATFORM
GMT3048-FR-EPT	France	THALES DIS FRANCE SA	15 mai 2017	17722481.3	27 mars 2019	3459269	29 avr 2020	3459269	15 mai 2037	METHOD FOR PROVISIONING AN APPLLET WITH CREDENTIALS OF A TERMINAL APPLICATION PROVIDED BY AN APPLICATION SERVER AND CORRESPONDING OTA PLATFORM
GMT3048-GB-EPT	United Kingdom	THALES DIS FRANCE SA	15 mai 2017	17722481.3	27 mars 2019	3459269	29 avr 2020	3459269	15 mai 2037	METHOD FOR PROVISIONING AN APPLLET WITH CREDENTIALS OF A TERMINAL APPLICATION PROVIDED BY AN APPLICATION SERVER AND CORRESPONDING OTA PLATFORM
GMT3048-JP-PCT	Japan	THALES DIS FRANCE SA	15 mai 2017	2018560159			20 déc 2019	6634530	15 mai 2037	METHOD FOR PROVISIONING AN APPLLET WITH CREDENTIALS OF A TERMINAL APPLICATION PROVIDED BY AN APPLICATION SERVER AND CORRESPONDING OTA PLATFORM
GMT3048-MX-PCT	Mexico	THALES DIS FRANCE SA	15 mai 2017	MX2018013991	10 mai 2019	MX2018013991			15 mai 2037	METHOD FOR PROVISIONING AN APPLLET WITH CREDENTIALS OF A TERMINAL APPLICATION PROVIDED BY AN APPLICATION SERVER AND CORRESPONDING OTA PLATFORM
GMT3048-US-PCT	United States Of America	THALES DIS FRANCE SA	15 mai 2017	16301762	23 mai 2019	20190158996			15 mai 2037	METHOD FOR PROVISIONING AN APPLLET WITH CREDENTIALS OF A TERMINAL APPLICATION PROVIDED BY AN APPLICATION SERVER AND CORRESPONDING OTA PLATFORM
GMT3057-EP-EPT	European Procedure (Patents)	THALES DIS FRANCE SA	27 janv 2017	17701545.0	24 oct 2018	3391209			27 janv 2037	METHOD FOR MANAGING OBJECTS IN A SECURE ELEMENT
GMT3057-KR-PCT	South Korea / Republic of Korea	THALES DIS FRANCE SA	27 janv 2017	1020187023465			25 févr 2020	102083751	27 janv 2037	METHOD FOR MANAGING OBJECTS IN A SECURE ELEMENT
GMT3057-US-PCT	United States Of America	THALES DIS FRANCE SA	27 janv 2017	16074840	31 janv 2019	20190034186	10 sept 2019	10409588	27 janv 2037	METHOD FOR MANAGING OBJECTS IN A SECURE ELEMENT

GMT3073-BR-PCT	Brazil	THALES DIS FRANCE SA	13 avr 2017	1120180715760					13 avr 2037	METHOD, SERVERS AND SYSTEM FOR DOWNLOADING AN UPDATED PROFILE
GMT3073-CN-PCT	China	THALES DIS FRANCE SA	13 avr 2017	201780038217.3	12 févr 2019	109328467			13 avr 2037	METHOD, SERVERS AND SYSTEM FOR DOWNLOADING AN UPDATED PROFILE
GMT3073-DE-EPT	Germany	THALES DIS FRANCE SA	13 avr 2017	17719823.1	27 févr 2019	3446502	17 mars 2021	60 2017 034 725.6	13 avr 2037	METHOD, SERVERS AND SYSTEM FOR DOWNLOADING AN UPDATED PROFILE
GMT3073-EP-EPT	European Procedure (Patents)	THALES DIS FRANCE SA	13 avr 2017	17719823.1	27 févr 2019	3446502	17 mars 2021	3446502	13 avr 2037	METHOD, SERVERS AND SYSTEM FOR DOWNLOADING AN UPDATED PROFILE
GMT3073-ES-EPT	Spain	THALES DIS FRANCE SA	13 avr 2017	17719823.1	27 févr 2019	3446502	17 mars 2021	3446502	13 avr 2037	METHOD, SERVERS AND SYSTEM FOR DOWNLOADING AN UPDATED PROFILE
GMT3073-FR-EPT	France	THALES DIS FRANCE SA	13 avr 2017	17719823.1	27 févr 2019	3446502	17 mars 2021	3446502	13 avr 2037	METHOD, SERVERS AND SYSTEM FOR DOWNLOADING AN UPDATED PROFILE
GMT3073-GB-EPT	United Kingdom	THALES DIS FRANCE SA	13 avr 2017	17719823.1	27 févr 2019	3446502	17 mars 2021	3446502	13 avr 2037	METHOD, SERVERS AND SYSTEM FOR DOWNLOADING AN UPDATED PROFILE
GMT3073-IT-EPT	Italy	THALES DIS FRANCE SA	13 avr 2017	17719823.1	27 févr 2019	3446502	17 mars 2021	3446502	13 avr 2037	METHOD, SERVERS AND SYSTEM FOR DOWNLOADING AN UPDATED PROFILE
GMT3073-KR-PCT	South Korea / Republic of Korea	THALES DIS FRANCE SA	13 avr 2017	20187032568			24 févr 2020	102082854	13 avr 2037	METHOD, SERVERS AND SYSTEM FOR DOWNLOADING AN UPDATED PROFILE
GMT3073-US-NP	United States Of America	THALES DIS FRANCE SA	20 avr 2016	15133787	26 oct 2017	20170308881			20 avr 2036	METHOD, SERVERS AND SYSTEM FOR DOWNLOADING AN UPDATED PROFILE
GMT3077-CN-PCT	China	THALES DIS FRANCE SA	21 mars 2017	201780009152.X	21 déc 2018	109074467			21 mars 2037	METHOD OF MANAGING A REAL-TIME CLOCK IN A PORTABLE TAMPER-RESISTANT DEVICE
GMT3077-DE-EPT	Germany	THALES DIS FRANCE SA	21 mars 2017	17712131.6	12 déc 2018	3411826	06 nov 2019	602017008498.0	21 mars 2037	METHOD OF MANAGING A REAL-TIME CLOCK IN A PORTABLE TAMPER-RESISTANT DEVICE
GMT3077-EP-EPT	European Procedure (Patents)	THALES DIS FRANCE SA	21 mars 2017	17712131.6	12 déc 2018	3411826	06 nov 2019	3411826	21 mars 2037	METHOD OF MANAGING A REAL-TIME CLOCK IN A PORTABLE TAMPER-RESISTANT DEVICE
GMT3077-FR-EPT	France	THALES DIS FRANCE SA	21 mars 2017	17712131.6	12 déc 2018	3411826	06 nov 2019	3411826	21 mars 2037	METHOD OF MANAGING A REAL-TIME CLOCK IN A PORTABLE TAMPER-RESISTANT DEVICE
GMT3077-GB-EPT	United Kingdom	THALES DIS FRANCE SA	21 mars 2017	17712131.6	12 déc 2018	3411826	06 nov 2019	3411826	21 mars 2037	METHOD OF MANAGING A REAL-TIME CLOCK IN A PORTABLE TAMPER-RESISTANT DEVICE
GMT3077-JP-PCD	Japan	THALES DIS FRANCE SA	21 mai 2017	2020095237					21 mars 2037	
GMT3077-JP-PCT	Japan	THALES DIS FRANCE SA	21 mars 2017	2018539391					21 mars 2037	METHOD OF MANAGING A REAL-TIME CLOCK IN A PORTABLE TAMPER-RESISTANT DEVICE
GMT3077-KR-PCT	South Korea / Republic of Korea	THALES DIS FRANCE SA	21 mars 2017	102018030494	22 oct 2018	102018030494	10 déc 2020	102192038	21 mars 2037	METHOD OF MANAGING A REAL-TIME CLOCK IN A PORTABLE TAMPER-RESISTANT DEVICE
GMT3077-US-PCT	United States Of America	THALES DIS FRANCE SA	21 mars 2017	16068421	10 janv 2019	20190012485	26 mai 2020	10664622	21 mars 2037	METHOD OF MANAGING A REAL-TIME CLOCK IN A PORTABLE TAMPER-RESISTANT DEVICE
GMT3089-BR-PCT	Brazil	THALES DIS FRANCE SA	04 oct 2017	1120190056661					04 oct 2037	METHOD, DEVICE, SERVER AND SYSTEM FOR SECURING AN ACCESS TO AT LEAST ONE SERVICE
GMT3089-EP-EPT	European Procedure (Patents)	THALES DIS FRANCE SA	04 oct 2017	17780708.8	14 août 2019	3523999			04 oct 2037	METHOD, DEVICE, SERVER AND SYSTEM FOR SECURING AN ACCESS TO AT LEAST ONE SERVICE
GMT3089-US-PCT	United States Of America	THALES DIS FRANCE SA	04 oct 2017	16337801	01 août 2019	20190239077			04 oct 2037	METHOD, DEVICE, SERVER AND SYSTEM FOR SECURING AN ACCESS TO AT LEAST ONE SERVICE
GMT3104-EP-EPT	European Procedure (Patents)	THALES DIS FRANCE SA	20 oct 2017	17794263.8	28 août 2019	3529796			20 oct 2037	METHOD FOR REALIZING A BISTABLE DISPLAY DEVICE WITH LOW VOLTAGE MICROCONTROLLER

GMT3104-US-PCT	United States Of America	THALES DIS FRANCE SA	20 oct 2017	16343647	05 sept 2019	20190272781			20 oct 2037	METHOD FOR REALIZING A BISTABLE DISPLAY DEVICE WITH LOW VOLTAGE MICROCONTROLLER
GMT3122-EP-EPT	European Procedure (Patents)	THALES DIS FRANCE SA	31 mai 2016	16728269.8	10 avr 2019	3466184			31 mai 2036	METHOD, CHIP AND SYSTEM FOR DETECTING A FAILURE IN A PDP CONTEXT OR AN EPS PDN CONNECTION
GMT3122-ES-NP	Spain	THALES DIS FRANCE SA	30 mai 2016	P201600434					30 mai 2036	METHOD, CHIP AND SYSTEM FOR DETECTING A FAILURE IN A PDP CONTEXT OR AN EPS PDN CONNECTION
GMT3122-US-PCT	United States Of America	THALES DIS FRANCE SA	31 mai 2016	16305306	11 juin 2020	20200187287			31 mai 2036	METHOD, CHIP AND SYSTEM FOR DETECTING A FAILURE IN A PDP CONTEXT OR AN EPS PDN CONNECTION
GMT3130-CN-PCT	China	THALES DIS FRANCE SA	24 avr 2017	201780027477.0	21 déc 2018	109076345			24 avr 2037	MOBILE COMMUNICATION DEVICE SUBSCRIBER IDENTITY MODULE
GMT3130-DE-EPT	Germany	THALES DIS FRANCE SA	24 avr 2017	17720424.5	16 janv 2019	3427505	12 févr 2020	602017011677.7	24 avr 2037	MOBILE COMMUNICATION DEVICE SUBSCRIBER IDENTITY MODULE
GMT3130-FR-EPT	France	THALES DIS FRANCE SA	24 avr 2017	17720424.5	16 janv 2019	3427505	12 févr 2020	3427505	24 avr 2037	MOBILE COMMUNICATION DEVICE SUBSCRIBER IDENTITY MODULE
GMT3130-GB-EPT	United Kingdom	THALES DIS FRANCE SA	24 avr 2017	17720424.5	16 janv 2019	3427505	12 févr 2020	3427505	24 avr 2037	MOBILE COMMUNICATION DEVICE SUBSCRIBER IDENTITY MODULE
GMT3130-US-PCT	United States Of America	THALES DIS FRANCE SA	24 avr 2017	16097411	16 mai 2019	20190149985	30 mars 2021	10966082	28 déc 2037	MOBILE COMMUNICATION DEVICE SUBSCRIBER IDENTITY MODULE
GMT3153-CN-PCT	China	THALES DIS FRANCE SA	21 mars 2017	201780008113.8	31 août 2018	108475225			21 mars 2037	METHOD FOR SENDING A PLURALITY OF DATA FROM A SERVER TO A PLURALITY OF DEVICES
GMT3153-DE-EPT	Germany	THALES DIS FRANCE SA	21 mars 2017	17711232.3	12 déc 2018	3411792	25 déc 2019	602017010134.6	21 mars 2037	METHOD FOR SENDING A PLURALITY OF DATA FROM A SERVER TO A PLURALITY OF DEVICES
GMT3153-FR-EPT	France	THALES DIS FRANCE SA	21 mars 2017	17711232.3	12 déc 2018	3411792	25 déc 2019	3411792	21 mars 2037	METHOD FOR SENDING A PLURALITY OF DATA FROM A SERVER TO A PLURALITY OF DEVICES
GMT3153-GB-EPT	United Kingdom	THALES DIS FRANCE SA	21 mars 2017	17711232.3	12 déc 2018	3411792	25 déc 2019	3411792	21 mars 2037	METHOD FOR SENDING A PLURALITY OF DATA FROM A SERVER TO A PLURALITY OF DEVICES
GMT3153-US-PCT	United States Of America	THALES DIS FRANCE SA	21 mars 2017	16070302	10 janv 2019	20190012224	19 mars 2019	10235230	21 mars 2037	METHOD FOR SENDING A PLURALITY OF DATA FROM A SERVER TO A PLURALITY OF DEVICES
GMT3159-CN-PCT	China	THALES DIS FRANCE SA	02 oct 2017	201780061284.7	21 mai 2019	109792459			02 oct 2037	METHOD, DATA SENDING CONTROL SERVER, STORAGE SERVER, PROCESSING SERVER AND SYSTEM FOR SENDING DATA TO AT LEAST ONE DEVICE
GMT3159-EP-EPT	European Procedure (Patents)	THALES DIS FRANCE SA	02 oct 2017	17777281.1	07 août 2019	3520366			02 oct 2037	METHOD, DATA SENDING CONTROL SERVER, STORAGE SERVER, PROCESSING SERVER AND SYSTEM FOR SENDING DATA TO AT LEAST ONE DEVICE
GMT3159-JP-PCT	Japan	THALES DIS FRANCE SA	02 oct 2017	2019516162			10 juil 2020	6733052	02 oct 2037	METHOD, DATA SENDING CONTROL SERVER, STORAGE SERVER, PROCESSING SERVER AND SYSTEM FOR SENDING DATA TO AT LEAST ONE DEVICE
GMT3159-KR-PCT	South Korea / Republic of Korea	THALES DIS FRANCE SA	02 oct 2017	1020197009224			09 nov 2020	102178624	02 oct 2037	METHOD, DATA SENDING CONTROL SERVER, STORAGE SERVER, PROCESSING SERVER AND SYSTEM FOR SENDING DATA TO AT LEAST ONE DEVICE

GMT3159-US-PCT	United States Of America	THALES DIS FRANCE SA	02 oct 2017	16338595	10 oct 2019	20190313258			02 oct 2037	METHOD, DATA SENDING CONTROL SERVER, STORAGE SERVER, PROCESSING SERVER AND SYSTEM FOR SENDING DATA TO AT LEAST ONE DEVICE
GMT3161-DE-EPT	Germany	THALES DIS FRANCE SA	24 janv 2017	17701849.6	19 sept 2018	3375103	11 sept 2019	602017006989.2	24 janv 2037	METHOD FOR MANAGING COMMUNICATION BETWEEN A CONTACTLESS READER AND A PORTABLE CONTACTLESS DEVICE
GMT3161-FR-EPT	France	THALES DIS FRANCE SA	24 janv 2017	17701849.6	19 sept 2018	3375103	11 sept 2019	3375103	24 janv 2037	METHOD FOR MANAGING COMMUNICATION BETWEEN A CONTACTLESS READER AND A PORTABLE CONTACTLESS DEVICE
GMT3161-GB-EPT	United Kingdom	THALES DIS FRANCE SA	24 janv 2017	17701849.6	19 sept 2018	3375103	11 sept 2019	3375103	24 janv 2037	METHOD FOR MANAGING COMMUNICATION BETWEEN A CONTACTLESS READER AND A PORTABLE CONTACTLESS DEVICE
GMT3161-US-PCT	United States Of America	THALES DIS FRANCE SA	24 janv 2017	16076894	14 févr 2019	20190052314	13 août 2019	10382097	24 janv 2037	METHOD FOR MANAGING COMMUNICATION BETWEEN A CONTACTLESS READER AND A PORTABLE CONTACTLESS DEVICE
GMT3197-AU-PCT	Australia	THALES DIS FRANCE SA	27 juil 2017	2017313215			26 mars 2020	2017313215	27 juil 2037	AUTHENTICATION SERVER OF A CELLULAR TELECOMMUNICATION NETWORK AND CORRESPONDING UICC
GMT3197-CA-PCT	Canada	THALES DIS FRANCE SA	27 juil 2017	3033619	22 févr 2019	3033619			27 juil 2037	AUTHENTICATION SERVER OF A CELLULAR TELECOMMUNICATION NETWORK AND CORRESPONDING UICC
GMT3197-CN-PCT	China	THALES DIS FRANCE SA	27 juil 2017	201780030447.1	02 avr 2019	109565672			27 juil 2037	AUTHENTICATION SERVER OF A CELLULAR TELECOMMUNICATION NETWORK AND CORRESPONDING UICC
GMT3197-DE-EPT	Germany	THALES DIS FRANCE SA	27 juil 2017	17751049.2	29 mai 2019	3501194	22 juil 2020	602017020232.0	27 juil 2037	AUTHENTICATION SERVER OF A CELLULAR TELECOMMUNICATION NETWORK AND CORRESPONDING UICC
GMT3197-EP-EPT	European Procedure (Patents)	THALES DIS FRANCE SA	27 juil 2017	17751049.2	29 mai 2019	3501194	22 juil 2020	3501194	27 juil 2037	AUTHENTICATION SERVER OF A CELLULAR TELECOMMUNICATION NETWORK AND CORRESPONDING UICC
GMT3197-ES-EPT	Spain	THALES DIS FRANCE SA	27 juil 2017	17751049.2	29 mai 2019	3501194	22 juil 2020	3501194	27 juil 2037	AUTHENTICATION SERVER OF A CELLULAR TELECOMMUNICATION NETWORK AND CORRESPONDING UICC
GMT3197-FR-EPT	France	THALES DIS FRANCE SA	27 juil 2017	17751049.2	29 mai 2019	3501194	22 juil 2020	3501194	27 juil 2037	AUTHENTICATION SERVER OF A CELLULAR TELECOMMUNICATION NETWORK AND CORRESPONDING UICC
GMT3197-GB-EPT	United Kingdom	THALES DIS FRANCE SA	27 juil 2017	17751049.2	29 mai 2019	3501194	22 juil 2020	3501194	27 juil 2037	AUTHENTICATION SERVER OF A CELLULAR TELECOMMUNICATION NETWORK AND CORRESPONDING UICC
GMT3197-IN-PCT	India	THALES DIS FRANCE SA	27 juil 2017	201917005127					27 juil 2037	AUTHENTICATION SERVER OF A CELLULAR TELECOMMUNICATION NETWORK AND CORRESPONDING UICC
GMT3197-IT-EPT	Italy	THALES DIS FRANCE SA	27 juil 2017	17751049.2	29 mai 2019	3501194	22 juil 2020	502020000097816	27 juil 2037	AUTHENTICATION SERVER OF A CELLULAR TELECOMMUNICATION NETWORK AND CORRESPONDING UICC
GMT3197-US-PCT	United States Of America	THALES DIS FRANCE SA	27 juil 2017	16325304	04 juil 2019	20190208419			27 juil 2037	AUTHENTICATION SERVER OF A CELLULAR TELECOMMUNICATION NETWORK AND CORRESPONDING UICC
GMT3198-CN-PCT	China	THALES DIS FRANCE SA	22 mai 2017	201780034331.9	11 janv 2019	109196841			22 mai 2037	A METHOD AND AN APPARATUS FOR PUBLISHING ASSERTIONS IN A DISTRIBUTED DATABASE OF A MOBILE TELECOMMUNICATION NETWORK AND FOR PERSONALISING INTERNET OF THINGS DEVICES

GMT3198-EP-EPT	European Procedure (Patents)	THALES DIS FRANCE SA	22 mai 2017	17724084.3	10 avr 2019	3466020			22 mai 2037	A METHOD AND AN APPARATUS FOR PUBLISHING ASSERTIONS IN A DISTRIBUTED DATABASE OF A MOBILE TELECOMMUNICATION NETWORK AND FOR PERSONALISING INTERNET OF THINGS DEVICES
GMT3198-JP-PCT	Japan	THALES DIS FRANCE SA	22 mai 2017	2018563043	18 juil 2019	2019520752	10 févr 2021	6837082	22 mai 2037	A METHOD AND AN APPARATUS FOR PUBLISHING ASSERTIONS IN A DISTRIBUTED DATABASE OF A MOBILE TELECOMMUNICATION NETWORK AND FOR PERSONALISING INTERNET OF THINGS DEVICES
GMT3198-KR-PCT	South Korea / Republic of Korea	THALES DIS FRANCE SA	22 mai 2017	1020187034343	27 nov 2018	1020187034343	19 mars 2020	102093574	22 mai 2037	A METHOD AND AN APPARATUS FOR PUBLISHING ASSERTIONS IN A DISTRIBUTED DATABASE OF A MOBILE TELECOMMUNICATION NETWORK AND FOR PERSONALISING INTERNET OF THINGS DEVICES
GMT3198-US-PCT	United States Of America	THALES DIS FRANCE SA	22 mai 2017	16099344	25 avr 2019	20190124512			22 mai 2037	A METHOD AND AN APPARATUS FOR PUBLISHING ASSERTIONS IN A DISTRIBUTED DATABASE OF A MOBILE TELECOMMUNICATION NETWORK AND FOR PERSONALISING INTERNET OF THINGS DEVICES
GMT3200-CN-PCT	China	THALES DIS FRANCE SA	22 mai 2017	201780034276.3	05 févr 2019	109314703			22 mai 2037	A METHOD FOR MANAGING THE STATUS OF A CONNECTED DEVICE
GMT3200-DE-EPT	Germany	THALES DIS FRANCE SA	22 mai 2017	17724085.0	10 avr 2019	3466021	04 mars 2020	602010063538.4	22 mai 2037	A METHOD FOR MANAGING THE STATUS OF A CONNECTED DEVICE
GMT3200-FR-EPT	France	THALES DIS FRANCE SA	22 mai 2017	17724085.0	10 avr 2019	3466021	04 mars 2020	3466021	22 mai 2037	A METHOD FOR MANAGING THE STATUS OF A CONNECTED DEVICE
GMT3200-GB-EPT	United Kingdom	THALES DIS FRANCE SA	22 mai 2017	17724085.0	10 avr 2019	3466021	04 mars 2020	3466021	22 mai 2037	A METHOD FOR MANAGING THE STATUS OF A CONNECTED DEVICE
GMT3200-JP-PCT	Japan	THALES DIS FRANCE SA	22 mai 2017	2018563057	29 août 2019	2019524016	28 janv 2020	6652767	22 mai 2037	A METHOD FOR MANAGING THE STATUS OF A CONNECTED DEVICE
GMT3200-KR-PCT	South Korea / Republic of Korea	THALES DIS FRANCE SA	22 mai 2017	1020187034442			18 févr 2021	1020187034442	22 mai 2037	A METHOD FOR MANAGING THE STATUS OF A CONNECTED DEVICE
GMT3200-US-PCT	United States Of America	THALES DIS FRANCE SA	22 mai 2017	16099562	16 mai 2019	20190149558	30 mars 2021	10965690	06 nov 2037	A METHOD FOR MANAGING THE STATUS OF A CONNECTED DEVICE
GMT3213-CN-PCT	China	THALES DIS FRANCE SA	22 sept 2017	201780059610.0	21 mai 2019	109792378			22 sept 2037	METHOD TO COUNTER DCA ATTACKS OF ORDER 2 AND HIGHER
GMT3213-EP-EPT	European Procedure (Patents)	THALES DIS FRANCE SA	22 sept 2017	17777539.2	07 août 2019	3520314			22 sept 2037	METHOD TO COUNTER DCA ATTACKS OF ORDER 2 AND HIGHER
GMT3213-JP-PCT	Japan	THALES DIS FRANCE SA	22 sept 2017	2019516438	17 oct 2019	2019530352	12 nov 2020	6793822	22 sept 2037	METHOD TO COUNTER DCA ATTACKS OF ORDER 2 AND HIGHER
GMT3213-KR-PCT	South Korea / Republic of Korea	THALES DIS FRANCE SA	22 sept 2017	20197011127					22 sept 2037	METHOD TO COUNTER DCA ATTACKS OF ORDER 2 AND HIGHER
GMT3213-US-PCT	United States Of America	THALES DIS FRANCE SA	22 sept 2017	16337197	25 juil 2019	20190229886			22 sept 2037	METHOD TO COUNTER DCA ATTACKS OF ORDER 2 AND HIGHER
GMT3218-CN-PCT	China	THALES DIS FRANCE SA	30 mars 2017	201780049201.2	02 avr 2019	109565441			30 mars 2037	A METHOD FOR PROVISIONING A FIRST COMMUNICATION DEVICE BY USING A SECOND COMMUNICATION DEVICE
GMT3218-DE-EPT	Germany	THALES DIS FRANCE SA	30 mars 2017	17715428.3	19 juin 2019	3497877	01 juil 2020	602017019009.8	30 mars 2037	A METHOD FOR PROVISIONING A FIRST COMMUNICATION DEVICE BY USING A SECOND COMMUNICATION DEVICE

GMT3218-EP-EPT	European Procedure (Patents)	THALES DIS FRANCE SA	30 mars 2017	17715428.3	19 juin 2019	3497877	01 juil 2020	3497877	30 mars 2037	A METHOD FOR PROVISIONING A FIRST COMMUNICATION DEVICE BY USING A SECOND COMMUNICATION DEVICE
GMT3218-FR-EPT	France	THALES DIS FRANCE SA	30 mars 2017	17715428.3	19 juin 2019	3497877	01 juil 2020	3497877	30 mars 2037	A METHOD FOR PROVISIONING A FIRST COMMUNICATION DEVICE BY USING A SECOND COMMUNICATION DEVICE
GMT3218-GB-EPT	United Kingdom	THALES DIS FRANCE SA	30 mars 2017	17715428.3	19 juin 2019	3497877	01 juil 2020	3497877	30 mars 2037	A METHOD FOR PROVISIONING A FIRST COMMUNICATION DEVICE BY USING A SECOND COMMUNICATION DEVICE
GMT3218-IT-EPT	Italy	THALES DIS FRANCE SA	30 mars 2017	17715428.3	19 juin 2019	3497877	01 juil 2020	502020000090700	30 mars 2037	A METHOD FOR PROVISIONING A FIRST COMMUNICATION DEVICE BY USING A SECOND COMMUNICATION DEVICE
GMT3218-JP-PCT	Japan	THALES DIS FRANCE SA	30 mars 2017	2019507304	03 oct 2019	2019528016	25 fevr 2020	6666517	30 mars 2037	A METHOD FOR PROVISIONING A FIRST COMMUNICATION DEVICE BY USING A SECOND COMMUNICATION DEVICE
GMT3218-KR-PCT	South Korea / Republic of Korea	THALES DIS FRANCE SA	30 mars 2017	20197007064	08 avr 2019	20197007064			30 mars 2037	A METHOD FOR PROVISIONING A FIRST COMMUNICATION DEVICE BY USING A SECOND COMMUNICATION DEVICE
GMT3218-US-PCT	United States Of America	THALES DIS FRANCE SA	30 mars 2017	16320291	01 août 2019	20190238324			30 mars 2037	A METHOD FOR PROVISIONING A FIRST COMMUNICATION DEVICE BY USING A SECOND COMMUNICATION DEVICE
GMT3219-EP-EPT	European Procedure (Patents)	THALES DIS FRANCE SA	21 juin 2017	17733791.2	01 mai 2019	3476145	02 déc 2020	3476145	21 juin 2037	METHOD FOR UPDATING SECURE ELEMENTS AND CORRESPONDING OTA PLATFORM AND SECURE ELEMENT
GMT3219-FR-EPT	France	THALES DIS FRANCE SA	21 juin 2017	17733791.2	01 mai 2019	3476145	02 déc 2020	3476145	21 juin 2037	METHOD FOR UPDATING SECURE ELEMENTS AND CORRESPONDING OTA PLATFORM AND SECURE ELEMENT
GMT3219-GB-EPT	United Kingdom	THALES DIS FRANCE SA	21 juin 2017	17733791.2	01 mai 2019	3476145	02 déc 2020	3476145	21 juin 2037	METHOD FOR UPDATING SECURE ELEMENTS AND CORRESPONDING OTA PLATFORM AND SECURE ELEMENT
GMT3219-IT-EPT	Italy	THALES DIS FRANCE SA	21 juin 2017	17733791.2	01 mai 2019	3476145	02 déc 2020	502021000016046	21 juin 2037	METHOD FOR UPDATING SECURE ELEMENTS AND CORRESPONDING OTA PLATFORM AND SECURE ELEMENT
GMT3219-JP-PCT	Japan	THALES DIS FRANCE SA	21 juin 2017	2018568270					21 juin 2037	METHOD FOR UPDATING SECURE ELEMENTS AND CORRESPONDING OTA PLATFORM AND SECURE ELEMENT
GMT3219-US-PCT	United States Of America	THALES DIS FRANCE SA	21 juin 2017	16313600	23 mai 2019	20190155595			21 juin 2037	METHOD FOR UPDATING SECURE ELEMENTS AND CORRESPONDING OTA PLATFORM AND SECURE ELEMENT
GMT3231-EP-EPA	European Procedure (Patents)	THALES DIS FRANCE SA	31 mai 2016	16305629.4	06 déc 2017	3252988			31 mai 2036	PARTIAL UNROLLING FOR SOFTWARE SECURITY
GMT3231-US-PCT	United States Of America	THALES DIS FRANCE SA	01 juin 2017	16306340	13 juin 2019	20190182026			01 juin 2037	PARTIAL ENROLLING FOR SOFTWARE SECURITY
GMT3232-EP-EPT	European Procedure (Patents)	THALES DIS FRANCE SA	05 mars 2018	18707394.5	22 janv 2020	3595907			05 mars 2038	METHOD FOR OPTIMIZING A COLOUR LASER IMAGE AND DOCUMENT ON WHICH A COLOUR LASER IMAGE IS PRODUCED IN THIS WAY
GMT3233-CN-PCT	China	THALES DIS FRANCE SA;THALES DIS CPL DEUTSCHLAND GmbH	25 janv 2018	201880021089.6	13 déc 2019	110574028			25 janv 2038	METHOD TO SECURE A SOFTWARE CODE
GMT3233-DE-EPT	Germany	THALES DIS FRANCE SA;THALES DIS CPL DEUTSCHLAND GmbH	25 janv 2018	18700785.1	04 déc 2019	3574426	03 mars 2021	602018013357.7	25 janv 2038	METHOD TO SECURE A SOFTWARE CODE
GMT3233-EP-EPT	European Procedure (Patents)	THALES DIS FRANCE SA;THALES DIS CPL DEUTSCHLAND GmbH	25 janv 2018	18700785.1	04 déc 2019	3574426	03 mars 2021	3574426	25 janv 2038	METHOD TO SECURE A SOFTWARE CODE

GMT3233-ES-EPT	Spain	THALES DIS FRANCE SA;THALES DIS CPL DEUTSCHLAND GmbH	25 janv 2018	18700785.1	04 déc 2019	3574426	03 mars 2021	3574426	25 janv 2038	METHOD TO SECURE A SOFTWARE CODE
GMT3233-FR-EPT	France	THALES DIS FRANCE SA;THALES DIS CPL DEUTSCHLAND GmbH	25 janv 2018	18700785.1	04 déc 2019	3574426	03 mars 2021	3574426	25 janv 2038	METHOD TO SECURE A SOFTWARE CODE
GMT3233-GB-EPT	United Kingdom	THALES DIS FRANCE SA;THALES DIS CPL DEUTSCHLAND GmbH	25 janv 2018	18700785.1	04 déc 2019	3574426	03 mars 2021	3574426	25 janv 2038	METHOD TO SECURE A SOFTWARE CODE
GMT3233-JP-PCT	Japan	THALES DIS FRANCE SA;THALES DIS CPL DEUTSCHLAND GmbH	25 janv 2018	2019541352	20 févr 2020	2020505709			25 janv 2038	METHOD TO SECURE A SOFTWARE CODE
GMT3233-US-PCT	United States Of America	THALES DIS FRANCE SA;THALES DIS CPL DEUTSCHLAND GmbH	25 janv 2018	16481377	02 janv 2020	20200004934			25 janv 2038	METHOD TO SECURE A SOFTWARE CODE
GMT3239-CN-PCT	China	THALES DIS FRANCE SA;THALES DIS CPL DEUTSCHLAND GmbH	25 janv 2018	201880021094.7	29 nov 2019	110520860			25 janv 2038	METHOD TO SECURE A SOFTWARE CODE
GMT3239-EP-EPT	European Procedure (Patents)	THALES DIS FRANCE SA;THALES DIS CPL DEUTSCHLAND GmbH	25 janv 2018	18700784.4	04 déc 2019	3574425			25 janv 2038	METHOD TO SECURE A SOFTWARE CODE
GMT3239-IN-PCT	India	THALES DIS FRANCE SA;THALES DIS CPL DEUTSCHLAND GmbH	25 janv 2018	201937030808					25 janv 2038	METHOD TO SECURE A SOFTWARE CODE
GMT3239-JP-PCT	Japan	THALES DIS FRANCE SA;THALES DIS CPL DEUTSCHLAND GmbH	25 janv 2018	2019541324	20 févr 2020	2020505708			25 janv 2038	METHOD TO SECURE A SOFTWARE CODE
GMT3239-US-PCT	United States Of America	THALES DIS FRANCE SA;THALES DIS CPL DEUTSCHLAND GmbH	25 janv 2018	16481428					25 janv 2038	METHOD TO SECURE A SOFTWARE CODE
GMT3253-CN-PCT	China	THALES DIS FRANCE SA	04 sept 2017	201780053746.0					04 sept 2037	JAVA CARD APPLICATION MEMORY FOOTPRINT OPTIMIZATION
GMT3253-EP-EPT	European Procedure (Patents)	THALES DIS FRANCE SA	04 sept 2017	17758567.6	10 juil 2019	3507690			04 sept 2037	JAVA CARD APPLICATION MEMORY FOOTPRINT OPTIMIZATION
GMT3253-SG-PCT	Singapore	THALES DIS FRANCE SA	04 sept 2017	11201901361T					04 sept 2037	JAVA CARD APPLICATION MEMORY FOOTPRINT OPTIMIZATION
GMT3253-US-PCT	United States Of America	THALES DIS FRANCE SA	04 sept 2017	16327271	11 juil 2019	20190213042	16 févr 2021	10922682	05 nov 2037	JAVA CARD APPLICATION MEMORY FOOTPRINT OPTIMIZATION
GMT3254-CN-PCT	China	THALES DIS FRANCE SA	01 sept 2017	201780053715.5	16 avr 2019	109643230			01 sept 2037	JAVA CARD APPLICATION PACKAGE USED AS A LIBRARY PACKAGE
GMT3254-DE-EPT	Germany	THALES DIS FRANCE SA	01 sept 2017	17758213.7	10 juil 2019	3507689	08 juil 2020	602017019501.4	01 sept 2037	JAVA CARD APPLICATION PACKAGE USED AS A LIBRARY PACKAGE
GMT3254-EP-EPT	European Procedure (Patents)	THALES DIS FRANCE SA	01 sept 2017	17758213.7	10 juil 2019	3507689	08 juil 2020	3507689	01 sept 2037	JAVA CARD APPLICATION PACKAGE USED AS A LIBRARY PACKAGE
GMT3254-FR-EPT	France	THALES DIS FRANCE SA	01 sept 2017	17758213.7	10 juil 2019	3507689	08 juil 2020	3507689	01 sept 2037	JAVA CARD APPLICATION PACKAGE USED AS A LIBRARY PACKAGE
GMT3254-GB-EPT	United Kingdom	THALES DIS FRANCE SA	01 sept 2017	17758213.7	10 juil 2019	3507689	08 juil 2020	3507689	01 sept 2037	JAVA CARD APPLICATION PACKAGE USED AS A LIBRARY PACKAGE

GMT3261-EP-EPT	European Procedure (Patents)	THALES DIS FRANCE SA	20 nov 2017	17800851.2	23 oct 2019	3556070			20 nov 2037	USE OF PERSONAL DEVICE FOR CONVENIENT AND SECURE AUTHENTICATION
GMT3261-US-NP	United States Of America	THALES DIS FRANCE SA	15 déc 2016	15380204	21 juin 2018	20180176223	16 juin 2020	10686787	31 oct 2037	USE OF PERSONAL DEVICE FOR CONVENIENT AND SECURE AUTHENTICATION
GMT3266-DE-EPT	Germany	THALES DIS FRANCE SA	14 juin 2017	17729871.8	08 mai 2019	3479287	25 nov 2020	602017028265.0	14 juin 2037	SECURE LOADING OF SECRET DATA TO NON-PROTECTED HARDWARE REGISTERS
GMT3266-EP-EPT	European Procedure (Patents)	THALES DIS FRANCE SA	14 juin 2017	17729871.8	08 mai 2019	3479287	25 nov 2020	3479287	14 juin 2037	SECURE LOADING OF SECRET DATA TO NON-PROTECTED HARDWARE REGISTERS
GMT3266-ES-EPT	Spain	THALES DIS FRANCE SA	14 juin 2017	17729871.8	08 mai 2019	3479287	25 nov 2020	3479287	14 juin 2037	SECURE LOADING OF SECRET DATA TO NON-PROTECTED HARDWARE REGISTERS
GMT3266-FR-EPT	France	THALES DIS FRANCE SA	14 juin 2017	17729871.8	08 mai 2019	3479287	25 nov 2020	3479287	14 juin 2037	SECURE LOADING OF SECRET DATA TO NON-PROTECTED HARDWARE REGISTERS
GMT3266-GB-EPT	United Kingdom	THALES DIS FRANCE SA	14 juin 2017	17729871.8	08 mai 2019	3479287	25 nov 2020	3479287	14 juin 2037	SECURE LOADING OF SECRET DATA TO NON-PROTECTED HARDWARE REGISTERS
GMT3266-IT-EPT	Italy	THALES DIS FRANCE SA	14 juin 2017	17729871.8	08 mai 2019	3479287	25 nov 2020	502021000012527	14 juin 2037	SECURE LOADING OF SECRET DATA TO NON-PROTECTED HARDWARE REGISTERS
GMT3266-JP-PCT	Japan	THALES DIS FRANCE SA	14 juin 2017	2018568759	11 juin 2019	2019519866	13 mai 2020	6704071	14 juin 2037	SECURE LOADING OF SECRET DATA TO NON-PROTECTED HARDWARE REGISTERS
GMT3266-KR-PCT	South Korea / Republic of Korea	THALES DIS FRANCE SA	14 juin 2017	20197002856	08 mars 2019	20197002856	22 fevr 2021	102219029	14 juin 2037	SECURE LOADING OF SECRET DATA TO NON-PROTECTED HARDWARE REGISTERS
GMT3266-US-PCT	United States Of America	THALES DIS FRANCE SA	14 juin 2017	16315105	10 oct 2019	20190311154			14 juin 2037	SECURE LOADING OF SECRET DATA TO NON-PROTECTED HARDWARE REGISTERS
GMT3276-CN-PCT	China	THALES DIS FRANCE SA	27 juil 2017	201780062621.4	21 mai 2019	109792605			27 juil 2037	METHOD FOR BINDING A TERMINAL APPLICATION TO A SECURITY ELEMENT AND CORRESPONDING SECURITY ELEMENT, TERMINAL APPLICATION AND SERVER
GMT3276-EP-EPT	European Procedure (Patents)	THALES DIS FRANCE SA	27 juil 2017	17754287.5	19 juin 2019	3497954			27 juil 2037	METHOD FOR BINDING A TERMINAL APPLICATION TO A SECURITY ELEMENT AND CORRESPONDING SECURITY ELEMENT, TERMINAL APPLICATION AND SERVER
GMT3276-JP-PCT	Japan	THALES DIS FRANCE SA	27 juil 2017	2019507207			18 fevr 2020	6663537	27 juil 2037	METHOD FOR BINDING A TERMINAL APPLICATION TO A SECURITY ELEMENT AND CORRESPONDING SECURITY ELEMENT, TERMINAL APPLICATION AND SERVER
GMT3276-US-PCT	United States Of America	THALES DIS FRANCE SA	27 juil 2017	16324098	19 mars 2020	20200092277			27 juil 2037	METHOD FOR BINDING A TERMINAL APPLICATION TO A SECURITY ELEMENT AND CORRESPONDING SECURITY ELEMENT, TERMINAL APPLICATION AND SERVER
GMT3284-CN-PCT	China	THALES DIS AIS DEUTSCHLAND GmbH; THALES DIS FRANCE SA	14 juin 2017	201780041189.0	01 mars 2019	109417687			14 juin 2037	METHOD FOR REMOTE PROVISIONING OF A USER EQUIPMENT IN A CELLULAR NETWORK
GMT3284-EP-EPT	European Procedure (Patents)	THALES DIS AIS DEUTSCHLAND GmbH; THALES DIS FRANCE SA	14 juin 2017	17731517.3	08 mai 2019	3479612			14 juin 2037	METHOD FOR REMOTE PROVISIONING OF A USER EQUIPMENT IN A CELLULAR NETWORK
GMT3284-JP-PCT	Japan	THALES DIS AIS DEUTSCHLAND GmbH; THALES DIS FRANCE SA	14 juin 2017	2018568257			28 mai 2020	6710296	14 juin 2037	METHOD FOR REMOTE PROVISIONING OF A USER EQUIPMENT IN A CELLULAR NETWORK
GMT3284-US-PCT	United States Of America	THALES DIS AIS DEUTSCHLAND	14 juin 2017	16312606	02 avr 2020	20200107173	26 janv 2021	10904731	19 juin 2037	METHOD FOR REMOTE PROVISIONING OF A USER EQUIPMENT IN A CELLULAR NETWORK

		GmbH;THALES DIS FRANCE SA								
GMT3308-EP-EPT	European Procedure (Patents)	THALES DIS FRANCE SA	20 oct 2017	17783895.0	04 sept 2019	3533014			20 oct 2037	METHOD AND SYSTEM FOR AUTOMATICALLY RECEIVING AND/OR TRANSMITTING INFORMATION RELATING TO TRANSACTIONS
GMT3308-US-PCT	United States Of America	THALES DIS FRANCE SA	20 oct 2017	16344487	20 fevr 2020	20200058024			20 oct 2037	METHOD AND SYSTEM FOR AUTOMATICALLY RECEIVING AND/OR TRANSMITTING INFORMATION RELATING TO TRANSACTIONS
GMT3313-CN-PCT	China	THALES DIS FRANCE SA	14 juin 2017	201780043240.1	15 mars 2019	109479195			14 juin 2037	METHOD OF MANAGING A SECURE ELEMENT
GMT3313-DE-EPT	Germany	THALES DIS FRANCE SA	14 juin 2017	17729872.6	20 mars 2019	3456075	03 juin 2020	602017017692.3	14 juin 2037	METHOD OF MANAGING A SECURE ELEMENT
GMT3313-EP-EPT	European Procedure (Patents)	THALES DIS FRANCE SA	14 juin 2017	17729872.6	20 mars 2019	3456075	03 juin 2020	3456075	14 juin 2037	METHOD OF MANAGING A SECURE ELEMENT
GMT3313-FR-EPT	France	THALES DIS FRANCE SA	14 juin 2017	17729872.6	20 mars 2019	3456075	03 juin 2020	3456075	14 juin 2037	METHOD OF MANAGING A SECURE ELEMENT
GMT3313-GB-EPT	United Kingdom	THALES DIS FRANCE SA	14 juin 2017	17729872.6	20 mars 2019	3456075	03 juin 2020	3456075	14 juin 2037	METHOD OF MANAGING A SECURE ELEMENT
GMT3313-IT-EPT	Italy	THALES DIS FRANCE SA	14 juin 2017	17729872.6	20 mars 2019	3456075	03 juin 2020	502020000083104	14 juin 2037	METHOD OF MANAGING A SECURE ELEMENT
GMT3313-JP-PCT	Japan	THALES DIS FRANCE SA	14 juin 2017	2019501728			07 août 2020	6746771	14 juin 2037	METHOD OF MANAGING A SECURE ELEMENT
GMT3313-KR-PCT	South Korea / Republic of Korea	THALES DIS FRANCE SA	14 juin 2017	1020197001058			06 avr 2020	102099739	14 juin 2037	METHOD OF MANAGING A SECURE ELEMENT
GMT3313-US-PCT	United States Of America	THALES DIS FRANCE SA	14 juin 2017	16315007	10 oct 2019	20190311155	23 mars 2021	10956620	28 avr 2038	METHOD OF MANAGING A SECURE ELEMENT
GMT3316-EP-EPT	European Procedure (Patents)	THALES DIS FRANCE SA	14 déc 2017	17825444.7	23 oct 2019	3556046			14 déc 2037	METHOD FOR SECURE MANAGEMENT OF SECRETS IN A HIERARCHICAL MULTI-TENANT ENVIRONMENT
GMT3316-US-PCT	United States Of America	THALES DIS FRANCE SA	14 déc 2017	16470358	19 mars 2020	20200092096			14 déc 2037	METHOD FOR SECURE MANAGEMENT OF SECRETS IN A HIERARCHICAL MULTI-TENANT ENVIRONMENT
GMT3318-CN-PCT	China	THALES DIS FRANCE SA	06 déc 2017	201780085864.X	13 sept 2019	110235409			06 déc 2037	METHOD OF RSA SIGNATURE OR DECRYPTION PROTECTED USING A HOMOMORPHIC ENCRYPTION
GMT3318-EP-EPT	European Procedure (Patents)	THALES DIS FRANCE SA	06 déc 2017	17811558.0	16 oct 2019	3552338			06 déc 2037	METHOD OF RSA SIGNATURE OR DECRYPTION PROTECTED USING A HOMOMORPHIC ENCRYPTION
GMT3318-SG-PCT	Singapore	THALES DIS FRANCE SA	06 déc 2017	11201905050X			25 août 2020	11201905050X	06 déc 2037	METHOD OF RSA SIGNATURE OR DECRYPTION PROTECTED USING A HOMOMORPHIC ENCRYPTION
GMT3318-US-PCT	United States Of America	THALES DIS FRANCE SA	06 déc 2017	16467957	05 mars 2020	20200076614			06 déc 2037	METHOD OF RSA SIGNATURE OR DECRYPTION PROTECTED USING A HOMOMORPHIC ENCRYPTION
GMT3323-DE-EPT	Germany	THALES DIS FRANCE SA	01 déc 2017	17832201.2	09 oct 2019	3549330	28 oct 2020	602017026548.9	01 déc 2037	METHOD AND SYSTEM FOR MAKING A SENSITIVE OPERATION DURING A COMMUNICATION SESSION
GMT3323-EP-EPT	European Procedure (Patents)	THALES DIS FRANCE SA	01 déc 2017	17832201.2	09 oct 2019	3549330	28 oct 2020	3549330	01 déc 2037	METHOD AND SYSTEM FOR MAKING A SENSITIVE OPERATION DURING A COMMUNICATION SESSION
GMT3323-FR-EPT	France	THALES DIS FRANCE SA	01 déc 2017	17832201.2	09 oct 2019	3549330	28 oct 2020	3549330	01 déc 2037	METHOD AND SYSTEM FOR MAKING A SENSITIVE OPERATION DURING A COMMUNICATION SESSION
GMT3323-GB-EPT	United Kingdom	THALES DIS FRANCE SA	01 déc 2017	17832201.2	09 oct 2019	3549330	28 oct 2020	3549330	01 déc 2037	METHOD AND SYSTEM FOR MAKING A SENSITIVE OPERATION DURING A COMMUNICATION SESSION
GMT3323-US-PCT	United States Of America	THALES DIS FRANCE SA	01 déc 2017	16465781	23 janv 2020	2020002819	17 nov 2020	10841276	01 déc 2037	METHOD AND SYSTEM FOR MAKING A SENSITIVE OPERATION DURING A COMMUNICATION SESSION

GMT3324-EP-EPT	European Procedure (Patents)	THALES DIS FRANCE SA	16 mars 2018	18710883.2	13 nov 2019	3566160			16 mars 2038	METHOD FOR AUTHENTICATING A USER AND CORRESPONDING DEVICE, FIRST AND SECOND SERVERS AND SYSTEM
GMT3324-US-PCT	United States Of America	THALES DIS FRANCE SA	16 mars 2018	16488027	27 févr 2020	20200067904			16 mars 2038	METHOD FOR AUTHENTICATING A USER AND CORRESPONDING DEVICE, FIRST AND SECOND SERVERS AND SYSTEM
GMT3328-EP-EPT	European Procedure (Patents)	THALES DIS FRANCE SA	23 nov 2017	17804537.3	24 juil 2019	3513545			23 nov 2037	METHOD, FIRST DEVICE AND SYSTEM FOR AUTHENTICATING TO A SECOND DEVICE
GMT3328-US-PCT	United States Of America	THALES DIS FRANCE SA	23 nov 2017	16464709	10 oct 2019	20190311110			23 nov 2037	METHOD, FIRST DEVICE AND SYSTEM FOR AUTHENTICATING TO A SECOND DEVICE
GMT3333-CN-RD	China	THALES DIS FRANCE SA	06 mai 2016	201630164825.7			07 sept 2016	303830907	06 mai 2026	BAND
GMT3334-EP-EPT	European Procedure (Patents)	THALES DIS FRANCE SA	24 oct 2017	17787439.3	18 sept 2019	3538378			24 oct 2037	METHOD FOR PRODUCING A DATA CARRIER AND DATA CARRIER PRODUCED THEREFROM
GMT3334-US-PCT	United States Of America	THALES DIS FRANCE SA	24 oct 2017	16342145	22 août 2019	20190255876	21 juil 2020	10717312	24 oct 2037	METHOD FOR PRODUCING A DATA CARRIER AND DATA CARRIER PRODUCED THEREFROM
GMT3335-EP-EPT	European Procedure (Patents)	THALES DIS FRANCE SA	08 mars 2018	18708150.0	15 janv 2020	3593554			08 mars 2038	A METHOD FOR OPTIMIZING DATA EXCHANGES BETWEEN A FIRST AND AT LEAST ONE SECOND WIRELESS COMMUNICATION DEVICE
GMT3355-JP-PCT	Japan	THALES DIS FRANCE SA	08 mars 2018	2019548697	21 mai 2020	2020515131			08 mars 2038	A METHOD FOR OPTIMIZING DATA EXCHANGES BETWEEN A FIRST AND AT LEAST ONE SECOND WIRELESS COMMUNICATION DEVICE
GMT3355-US-PCT	United States Of America	THALES DIS FRANCE SA	08 mars 2018	16492421	06 févr 2020	20200045518			08 mars 2038	A METHOD FOR OPTIMIZING DATA EXCHANGES BETWEEN A FIRST AND AT LEAST ONE SECOND WIRELESS COMMUNICATION DEVICE
GMT3356-EP-EPT	European Procedure (Patents)	THALES DIS FRANCE SA	10 nov 2017	17797336.9	18 sept 2019	3539089			10 nov 2037	A PHYSICAL KEY FOR PROVISIONING A COMMUNICATION DEVICE WITH DATA ALLOWING IT TO ACCESS A VEHICLE RESOURCE
GMT3356-JP-PCT	Japan	THALES DIS FRANCE SA	10 nov 2017	2019524278	26 déc 2019	2019537898			10 nov 2037	A PHYSICAL KEY FOR PROVISIONING A COMMUNICATION DEVICE WITH DATA ALLOWING IT TO ACCESS A VEHICLE RESOURCE
GMT3356-KR-PCT	South Korea / Republic of Korea	THALES DIS FRANCE SA	10 nov 2017	20197013275					10 nov 2037	A PHYSICAL KEY FOR PROVISIONING A COMMUNICATION DEVICE WITH DATA ALLOWING IT TO ACCESS A VEHICLE RESOURCE
GMT3356-US-PCT	United States Of America	THALES DIS FRANCE SA	10 nov 2017	16348739	29 août 2019	20190268169			10 nov 2037	A PHYSICAL KEY FOR PROVISIONING A COMMUNICATION DEVICE WITH DATA ALLOWING IT TO ACCESS A VEHICLE RESOURCE
GMT3361-DE-EPT	Germany	THALES DIS FRANCE SA	11 avr 2018	18715051.1	25 févr 2020	3613184	20 janv 2021	3613184	11 avr 2038	A METHOD FOR MANAGING THE REPUTATION LEVEL OF A COMMUNICATION DEVICE
GMT3361-EP-EPT	European Procedure (Patents)	THALES DIS FRANCE SA	11 avr 2018	18715051.1	25 févr 2020	3613184	20 janv 2021	3613184	11 avr 2038	A METHOD FOR MANAGING THE REPUTATION LEVEL OF A COMMUNICATION DEVICE
GMT3361-FR-EPT	France	THALES DIS FRANCE SA	11 avr 2018	18715051.1	25 févr 2020	3613184	20 janv 2021	3613184	11 avr 2038	A METHOD FOR MANAGING THE REPUTATION LEVEL OF A COMMUNICATION DEVICE
GMT3361-GB-EPT	United Kingdom	THALES DIS FRANCE SA	11 avr 2018	18715051.1	25 févr 2020	3613184	20 janv 2021	3613184	11 avr 2038	A METHOD FOR MANAGING THE REPUTATION LEVEL OF A COMMUNICATION DEVICE
GMT3361-JP-PCT	Japan	THALES DIS FRANCE SA	11 avr 2018	2019556897	18 juin 2020	2020518168			11 avr 2038	A METHOD FOR MANAGING THE REPUTATION LEVEL OF A COMMUNICATION DEVICE
GMT3361-KR-PCT	South Korea / Republic of Korea	THALES DIS FRANCE SA	11 avr 2018	20197090614					11 avr 2038	A METHOD FOR MANAGING THE REPUTATION LEVEL OF A COMMUNICATION DEVICE
GMT3361-US-PCT	United States Of America	THALES DIS FRANCE SA	11 avr 2018	16606492					11 avr 2038	A METHOD FOR MANAGING THE REPUTATION LEVEL OF A COMMUNICATION DEVICE

GMT3362-EP-EPT	European Procedure (Patents)	THALES DIS FRANCE SA	28 nov 2017	17807832.5	23 oct 2019	3555950			28 nov 2037	METHOD FOR MANUFACTURING AN ELECTRONIC OBJECT COMPRISING A BODY AND A POROUS MEMBRANE BATTERY
GMT3362-US-PCT	United States Of America	THALES DIS FRANCE SA	28 nov 2017	16469916	28 nov 2019	20190363404			28 nov 2037	METHOD FOR MANUFACTURING AN ELECTRONIC OBJECT COMPRISING A BODY AND A POROUS MEMBRANE BATTERY
GMT3389-DE-EPT	Germany	THALES DIS FRANCE SA	12 déc 2017	17817718.4	23 oct 2019	3556049	27 janv 2021	3556049	12 déc 2037	METHOD FOR SYNCHRONIZED SIGNATURE WITH ADDITIVE RSA KEY SPLITTING USING A SIDING WINDOW
GMT3389-EP-EPT	European Procedure (Patents)	THALES DIS FRANCE SA	12 déc 2017	17817718.4	23 oct 2019	3556049	27 janv 2021	3556049	12 déc 2037	METHOD FOR SYNCHRONIZED SIGNATURE WITH ADDITIVE RSA KEY SPLITTING USING A SIDING WINDOW
GMT3389-FR-EPT	France	THALES DIS FRANCE SA	12 déc 2017	17817718.4	23 oct 2019	3556049	27 janv 2021	3556049	12 déc 2037	METHOD FOR SYNCHRONIZED SIGNATURE WITH ADDITIVE RSA KEY SPLITTING USING A SIDING WINDOW
GMT3389-GB-EPT	United Kingdom	THALES DIS FRANCE SA	12 déc 2017	17817718.4	23 oct 2019	3556049	27 janv 2021	3556049	12 déc 2037	METHOD FOR SYNCHRONIZED SIGNATURE WITH ADDITIVE RSA KEY SPLITTING USING A SIDING WINDOW
GMT3389-US-PCT	United States Of America	THALES DIS FRANCE SA	12 déc 2017	16469301	30 janv 2020	20200036534			12 déc 2037	METHOD FOR SYNCHRONIZED SIGNATURE WITH ADDITIVE RSA KEY SPLITTING USING A SIDING WINDOW
GMT3395-EP-EPT	European Procedure (Patents)	THALES DIS FRANCE SA	04 juin 2018	18727318.0	13 nov 2019	3566163			04 juin 2038	METHOD FOR AUTHENTICATING A FIRST USER AND CORRESPONDING FIRST DEVICE AND SYSTEM
GMT3395-US-PCT	United States Of America	THALES DIS FRANCE SA	04 juin 2018	16619977	23 juin 2020	20200201977			04 juin 2038	METHOD FOR AUTHENTICATING A FIRST USER AND CORRESPONDING FIRST DEVICE AND SYSTEM
GMT3426-DE-EPT	Germany	THALES DIS FRANCE SA	12 déc 2017	17825157.5	23 oct 2019	3556050	05 août 2020	602017021346.2	12 déc 2037	METHOD FOR SYNCHRONIZED SIGNATURE WITH ADDITIVE RSA KEY SPLITTING USING EARLY FLOATING EXPONENT NEGOTIATION
GMT3426-EP-EPT	European Procedure (Patents)	THALES DIS FRANCE SA	12 déc 2017	17825157.5	23 oct 2019	3556050	05 août 2020	3556050	12 déc 2037	METHOD FOR SYNCHRONIZED SIGNATURE WITH ADDITIVE RSA KEY SPLITTING USING EARLY FLOATING EXPONENT NEGOTIATION
GMT3426-FR-EPT	France	THALES DIS FRANCE SA	12 déc 2017	17825157.5	23 oct 2019	3556050	05 août 2020	3556050	12 déc 2037	METHOD FOR SYNCHRONIZED SIGNATURE WITH ADDITIVE RSA KEY SPLITTING USING EARLY FLOATING EXPONENT NEGOTIATION
GMT3426-GB-EPT	United Kingdom	THALES DIS FRANCE SA	12 déc 2017	17825157.5	23 oct 2019	3556050	05 août 2020	3556050	12 déc 2037	METHOD FOR SYNCHRONIZED SIGNATURE WITH ADDITIVE RSA KEY SPLITTING USING EARLY FLOATING EXPONENT NEGOTIATION
GMT3426-US-PCT	United States Of America	THALES DIS FRANCE SA	12 déc 2017	16469526	12 mars 2020	20200084034			12 déc 2037	METHOD FOR SYNCHRONIZED SIGNATURE WITH ADDITIVE RSA KEY SPLITTING USING EARLY FLOATING EXPONENT NEGOTIATION
GMT3428-CA-PCT	Canada	THALES DIS FRANCE SA	09 févr 2018	3053213					09 févr 2038	METHOD FOR GENERATING A PRIME NUMBER FOR A CRYPTOGRAPHIC APPLICATION
GMT3428-CN-PCT	China	THALES DIS FRANCE SA	09 févr 2018	201880012780.8	22 nov 2019	110495133			09 févr 2038	METHOD FOR GENERATING A PRIME NUMBER FOR A CRYPTOGRAPHIC APPLICATION
GMT3428-DE-EPT	Germany	THALES DIS FRANCE SA	09 févr 2018	18703334.5	01 janv 2020	3586471	20 janv 2021	3586471	09 févr 2038	METHOD FOR GENERATING A PRIME NUMBER FOR A CRYPTOGRAPHIC APPLICATION
GMT3428-EP-EPT	European Procedure (Patents)	THALES DIS FRANCE SA	09 févr 2018	18703334.5	01 janv 2020	3586471	20 janv 2021	3586471	09 févr 2038	METHOD FOR GENERATING A PRIME NUMBER FOR A CRYPTOGRAPHIC APPLICATION
GMT3428-FR-EPT	France	THALES DIS FRANCE SA	09 févr 2018	18703334.5	01 janv 2020	3586471	20 janv 2021	3586471	09 févr 2038	METHOD FOR GENERATING A PRIME NUMBER FOR A CRYPTOGRAPHIC APPLICATION
GMT3428-GB-EPT	United Kingdom	THALES DIS FRANCE SA	09 févr 2018	18703334.5	01 janv 2020	3586471	20 janv 2021	3586471	09 févr 2038	METHOD FOR GENERATING A PRIME NUMBER FOR A CRYPTOGRAPHIC APPLICATION

GMT3428-JP-PCT	Japan	THALES DIS FRANCE SA	09 févr 2018	2019545254	26 mars 2020	2020509407			09 févr 2038	METHOD FOR GENERATING A PRIME NUMBER FOR A CRYPTOGRAPHIC APPLICATION
GMT3428-KR-PCT	South Korea / Republic of Korea	THALES DIS FRANCE SA	09 févr 2018	20197025691					09 févr 2038	METHOD FOR GENERATING A PRIME NUMBER FOR A CRYPTOGRAPHIC APPLICATION
GMT3428-US-PCT	United States Of America	THALES DIS FRANCE SA	09 févr 2018	16486904	20 févr 2020	20200057611			09 févr 2038	METHOD FOR GENERATING A PRIME NUMBER FOR A CRYPTOGRAPHIC APPLICATION
GMT3438-EP-EPT	European Procedure (Patents)	THALES DIS FRANCE SA	28 juin 2018	18732824.0	06 mai 2020	3646165			28 juin 2038	METHOD FOR SECURING A CRYPTOGRAPHIC PROCESS WITH SBOX AGAINST HIGH-ORDER SIDE-CHANNEL ATTACKS
GMT3438-JP-PCT	Japan	THALES DIS FRANCE SA	28 juin 2018	2019572084	10 sept 2020	2020527743			28 juin 2038	METHOD FOR SECURING A CRYPTOGRAPHIC PROCESS WITH SBOX AGAINST HIGH-ORDER SIDE-CHANNEL ATTACKS
GMT3438-KR-PCT	South Korea / Republic of Korea	THALES DIS FRANCE SA	28 juin 2018	20207002622					28 juin 2038	METHOD FOR SECURING A CRYPTOGRAPHIC PROCESS WITH SBOX AGAINST HIGH-ORDER SIDE-CHANNEL ATTACKS
GMT3438-US-PCT	United States Of America	THALES DIS FRANCE SA	28 juin 2018	16626887	23 avr 2020	20200125333			28 juin 2038	METHOD FOR SECURING A CRYPTOGRAPHIC PROCESS WITH SBOX AGAINST HIGH-ORDER SIDE-CHANNEL ATTACKS
GMT3443-BR-PCT	Brazil	THALES DIS FRANCE SA	02 févr 2018	1120190162011					02 févr 2038	METHOD FOR MANAGING COMMUNICATION BETWEEN A SERVER AND A USER EQUIPMENT
GMT3443-CN-PCT	China	THALES DIS FRANCE SA	02 févr 2018	201880021525.X	15 nov 2019	110463237			02 févr 2038	METHOD FOR MANAGING COMMUNICATION BETWEEN A SERVER AND A USER EQUIPMENT
GMT3443-EP-EPT	European Procedure (Patents)	THALES DIS FRANCE SA	02 févr 2018	18703003.6	11 déc 2019	3577922	31 mars 2021	3577922	02 févr 2038	METHOD FOR MANAGING COMMUNICATION BETWEEN A SERVER AND A USER EQUIPMENT
GMT3443-JP-PCT	Japan	THALES DIS FRANCE SA	02 févr 2018	2019563672			02 déc 2020	6803481	02 févr 2038	METHOD FOR MANAGING COMMUNICATION BETWEEN A SERVER AND A USER EQUIPMENT
GMT3443-KR-PCT	South Korea / Republic of Korea	THALES DIS FRANCE SA	02 févr 2018	20197025918	02 août 2019				02 févr 2038	METHOD FOR MANAGING COMMUNICATION BETWEEN A SERVER AND A USER EQUIPMENT
GMT3443-US-PCT	United States Of America	THALES DIS FRANCE SA	02 févr 2018	16482295	14 nov 2019	20190349766			02 févr 2038	METHOD FOR MANAGING COMMUNICATION BETWEEN A SERVER AND A USER EQUIPMENT
GMT3450-CN-PCT	China	THALES DIS FRANCE SA	14 mai 2018	201880039592.4	24 mars 2020	110914825			14 mai 2038	METHOD FOR MANAGING AN INSTANCE OF A CLASS
GMT3450-EP-EPT	European Procedure (Patents)	THALES DIS FRANCE SA	14 mai 2018	18722601.4	22 avr 2020	3639186			14 mai 2038	METHOD FOR MANAGING AN INSTANCE OF A CLASS
GMT3450-US-PCT	United States Of America	THALES DIS FRANCE SA	14 mai 2018	16621781	14 mai 2020	20200151365			14 mai 2038	METHOD FOR MANAGING AN INSTANCE OF A CLASS
GMT3460-EP-EPT	European Procedure (Patents)	THALES DIS FRANCE SA	07 juin 2018	18728405.4	15 avr 2020	3635692			07 juin 2038	A METHOD FOR PROVISIONING A DEVICE WITH AN INFORMATION ELEMENT ALLOWING TO IDENTIFY UNAUTHORIZED USERS IN A RESTRICTED AREA
GMT3460-JP-PCT	Japan	THALES DIS FRANCE SA	07 juin 2018	2019567611	20 août 2020	2020524928			07 juin 2038	A METHOD FOR PROVISIONING A DEVICE WITH AN INFORMATION ELEMENT ALLOWING TO IDENTIFY UNAUTHORIZED USERS IN A RESTRICTED AREA
GMT3460-US-PCT	United States Of America	THALES DIS FRANCE SA	07 juin 2018	16620401	18 mars 2021	20210082217			07 juin 2038	A METHOD FOR PROVISIONING A DEVICE WITH AN INFORMATION ELEMENT ALLOWING TO IDENTIFY UNAUTHORIZED USERS IN A RESTRICTED AREA
GMT3462-EP-EPT	European Procedure (Patents)	THALES DIS FRANCE SA	18 sept 2018	18778842.7	29 juil 2020	3685311			18 sept 2038	DATA CARRIER AND A METHOD FOR PRODUCING SUCH DATA CARRIER
GMT3462-US-PCT	United States Of America	THALES DIS FRANCE SA	18 sept 2018	16648203	09 juil 2020	20200218953			18 sept 2038	DATA CARRIER AND A METHOD FOR PRODUCING SUCH DATA CARRIER

GMT3501-BR-DIV	Brazil	THALES DIS FRANCE SA	02 févr 2018	BR1220200160462					02 févr 2038	
GMT3501-BR-PCT	Brazil	THALES DIS FRANCE SA	02 févr 2018	1120190162003					02 févr 2038	METHOD FOR ESTABLISHING A BIDIRECTIONAL COMMUNICATION CHANNEL BETWEEN A SERVER AND A SECURE ELEMENT, CORRESPONDING SERVERS AND SECURE ELEMENT
GMT3501-CN-PCT	China	THALES DIS FRANCE SA	02 févr 2018	201880021515.6	27 déc 2019	110622535			02 févr 2038	METHOD FOR ESTABLISHING A BIDIRECTIONAL COMMUNICATION CHANNEL BETWEEN A SERVER AND A SECURE ELEMENT, CORRESPONDING SERVERS AND SECURE ELEMENT
GMT3501-EP-EPT	European Procedure (Patents)	THALES DIS FRANCE SA	02 févr 2018	18703004.4	11 déc 2019	3577923			02 févr 2038	METHOD FOR ESTABLISHING A BIDIRECTIONAL COMMUNICATION CHANNEL BETWEEN A SERVER AND A SECURE ELEMENT, CORRESPONDING SERVERS AND SECURE ELEMENT
GMT3501-JP-PCT	Japan	THALES DIS FRANCE SA	02 févr 2018	2019563673			07 oct 2020	6775090	02 févr 2038	METHOD FOR ESTABLISHING A BIDIRECTIONAL COMMUNICATION CHANNEL BETWEEN A SERVER AND A SECURE ELEMENT, CORRESPONDING SERVERS AND SECURE ELEMENT
GMT3501-KR-PCT	South Korea / Republic of Korea	THALES DIS FRANCE SA	02 févr 2018	20197025920	02 août 2019				02 févr 2038	METHOD FOR ESTABLISHING A BIDIRECTIONAL COMMUNICATION CHANNEL BETWEEN A SERVER AND A SECURE ELEMENT, CORRESPONDING SERVERS AND SECURE ELEMENT
GMT3501-US-PCT	United States Of America	THALES DIS FRANCE SA	02 févr 2018	16483237	09 janv 2020	20200015069			02 févr 2038	METHOD FOR ESTABLISHING A BIDIRECTIONAL COMMUNICATION CHANNEL BETWEEN A SERVER AND A SECURE ELEMENT, CORRESPONDING SERVERS AND SECURE ELEMENT
GMT3504-EP-EPT	European Procedure (Patents)	THALES DIS FRANCE SA	07 déc 2018	18815685.5	21 oct 2020	3724798			07 déc 2038	METHOD FOR AUTHENTICATING A USER BASED ON AN IMAGE RELATION RULE AND CORRESPONDING FIRST USER DEVICE, SERVER AND SYSTEM
GMT3504-US-NP	United States Of America	THALES DIS FRANCE SA	12 déc 2017	15839142	13 juin 2019	20190182050			12 déc 2037	METHOD FOR AUTHENTICATING A USER BASED ON AN IMAGE RELATION RULE AND CORRESPONDING FIRST USER DEVICE, SERVER AND SYSTEM
GMT3509-EP-EPT	European Procedure (Patents)	THALES DIS FRANCE SA	10 sept 2018	18762871.4	22 juil 2020	3682323			10 sept 2038	METHOD FOR AMENDING THE FIRMWARE OF A RESOURCE CONSTRAINED DEVICE
GMT3509-US-PCT	United States Of America	THALES DIS FRANCE SA	10 sept 2018	16646629	17 sept 2020	20200293215			10 sept 2038	METHOD FOR AMENDING THE FIRMWARE OF A RESOURCE CONSTRAINED DEVICE
GMT3521-CN-PCT	China	THALES DIS FRANCE SA	02 févr 2018	201880021586.6	12 nov 2019	110447251			02 févr 2038	A METHOD FOR TRANSMITTING AN EXISTING SUBSCRIPTION PROFILE FROM A MNO TO A SECURE ELEMENT, CORRESPONDING SERVERS AND SECURE ELEMENT
GMT3521-EP-EPT	European Procedure (Patents)	THALES DIS FRANCE SA	02 févr 2018	18703005.1	11 déc 2019	3577924			02 févr 2038	A METHOD FOR TRANSMITTING AN EXISTING SUBSCRIPTION PROFILE FROM A MNO TO A SECURE ELEMENT, CORRESPONDING SERVERS AND SECURE ELEMENT
GMT3521-JP-PCT	Japan	THALES DIS FRANCE SA	02 févr 2018	2019563674					02 févr 2038	A METHOD FOR TRANSMITTING AN EXISTING SUBSCRIPTION PROFILE FROM A MNO TO A SECURE ELEMENT, CORRESPONDING SERVERS AND SECURE ELEMENT
GMT3521-KR-PCT	South Korea / Republic of Korea	THALES DIS FRANCE SA	02 févr 2018	20197025919	02 août 2019				02 févr 2038	A METHOD FOR TRANSMITTING AN EXISTING SUBSCRIPTION PROFILE FROM A MNO TO A SECURE ELEMENT, CORRESPONDING SERVERS AND SECURE ELEMENT
GMT3521-US-PCT	United States Of America	THALES DIS FRANCE SA	02 févr 2018	16483127	23 juil 2020	20200236538			02 févr 2038	A METHOD FOR TRANSMITTING AN EXISTING SUBSCRIPTION PROFILE FROM A MNO TO A SECURE

										ELEMENT, CORRESPONDING SERVERS AND SECURE ELEMENT
GMT3522-EP-EPT	European Procedure (Patents)	THALES DIS FRANCE SA	17 juil 2018	18738363.3	10 juin 2020	3662613			17 juil 2038	METHOD TO SECURE A SOFTWARE CODE PERFORMING ACCESSES TO LOOK-UP TABLES
GMT3522-US-PCT	United States Of America	THALES DIS FRANCE SA	17 juil 2018	16636003					17 juil 2038	METHOD TO SECURE A SOFTWARE CODE PERFORMING ACCESSES TO LOOK-UP TABLES
GMT3523-EP-EPT	European Procedure (Patents)	THALES DIS FRANCE SA	06 juil 2018	18740544.4	27 mai 2020	3656146			06 juil 2038	METHOD FOR AUTHENTICATING A USER AND CORRESPONDING USER DEVICE, SERVER AND SYSTEM
GMT3523-US-NP	United States Of America	THALES DIS FRANCE SA	21 juil 2017	15656861	24 janv 2019	20190028891			21 juil 2037	METHOD FOR AUTHENTICATING A USER AND CORRESPONDING USER DEVICE, SERVER AND SYSTEM
GMT3541-EP-EPT	European Procedure (Patents)	THALES DIS FRANCE SA	20 mars 2018	18710897.2	05 févr 2020	3602955			20 mars 2038	METHOD OF RSA SIGNATURE OR DECRYPTION PROTECTED USING ASYMMETRIC MULTIPLICATIVE SPLITTING
GMT3541-US-PCT	United States Of America	THALES DIS FRANCE SA	20 mars 2018	16495320	09 avr 2020	20200112424			20 mars 2038	METHOD OF RSA SIGNATURE OR DECRYPTION PROTECTED USING ASYMMETRIC MULTIPLICATIVE SPLITTING
GMT3542-DE-EPT	Germany	THALES DIS FRANCE SA	20 mars 2018	18710898.0	19 févr 2020	3610407	20 janv 2021	3610407	20 mars 2038	ENCRYPTED MEMORY CARD
GMT3542-EP-EPT	European Procedure (Patents)	THALES DIS FRANCE SA	20 mars 2018	18710898.0	19 févr 2020	3610407	20 janv 2021	3610407	20 mars 2038	ENCRYPTED MEMORY CARD
GMT3542-FR-EPT	France	THALES DIS FRANCE SA	20 mars 2018	18710898.0	19 févr 2020	3610407	20 janv 2021	3610407	20 mars 2038	ENCRYPTED MEMORY CARD
GMT3542-GB-EPT	United Kingdom	THALES DIS FRANCE SA	20 mars 2018	18710898.0	19 févr 2020	3610407	20 janv 2021	3610407	20 mars 2038	ENCRYPTED MEMORY CARD
GMT3546-EP-EPT	European Procedure (Patents)	THALES DIS FRANCE SA	29 juin 2018	18733630.0	13 mai 2020	3649798			29 juin 2038	A METHOD FOR GRANTING ACCESS TO A SERVICE PROVIDED BY A CONNECTED DEVICE
GMT3546-US-PCT	United States Of America	THALES DIS FRANCE SA	29 juin 2018	16628269	09 juil 2020	20200220731			29 juin 2038	A METHOD FOR GRANTING ACCESS TO A SERVICE PROVIDED BY A CONNECTED DEVICE
GMT3563-EP-EPT	European Procedure (Patents)	THALES DIS FRANCE SA	17 juil 2018	18738353.4	03 juin 2020	3659060			17 juil 2038	CONSENSUS PROTOCOL FOR PERMISSIONED LEDGERS
GMT3563-US-PCT	United States Of America	THALES DIS FRANCE SA	17 juil 2018	16633879	28 mai 2020	20200169416			17 juil 2038	CONSENSUS PROTOCOL FOR PERMISSIONED LEDGERS
GMT3572-AU-PCT	Australia	THALES DIS FRANCE SA	29 juin 2018	2018293758					29 juin 2038	DATA CARRIER WITH TACTILE PRINTED AREA FOR INK WRITING DATA
GMT3572-BR-PCT	Brazil	THALES DIS FRANCE SA	29 juin 2018	BR1120190279890					29 juin 2038	DATA CARRIER WITH TACTILE PRINTED AREA FOR INK WRITING DATA
GMT3572-CA-PCT	Canada	THALES DIS FRANCE SA	29 juin 2018	3068508					29 juin 2038	DATA CARRIER WITH TACTILE PRINTED AREA FOR INK WRITING DATA
GMT3572-EP-EPT	European Procedure (Patents)	THALES DIS FRANCE SA	29 juin 2018	18733883.5	06 mai 2020	3645301			29 juin 2038	DATA CARRIER WITH TACTILE PRINTED AREA FOR INK WRITING DATA
GMT3572-ID-PCT	Indonesia	THALES DIS FRANCE SA	29 juin 2018	P00202000048					29 juin 2038	DATA CARRIER WITH TACTILE PRINTED AREA FOR INK WRITING DATA
GMT3572-KR-PCT	South Korea / Republic of Korea	THALES DIS FRANCE SA	29 juin 2018	20207000257					29 juin 2038	DATA CARRIER WITH TACTILE PRINTED AREA FOR INK WRITING DATA

GMT3572-MY-PCT	Malaysia	THALES DIS FRANCE SA	29 juin 2018	PI 2019007847				29 juin 2038	DATA CARRIER WITH TACTILE PRINTED AREA FOR INK WRITING DATA
GMT3572-NZ-PCT	New Zealand	THALES DIS FRANCE SA	29 juin 2018	761097				29 juin 2038	DATA CARRIER WITH TACTILE PRINTED AREA FOR INK WRITING DATA
GMT3572-SG-PCT	Singapore	THALES DIS FRANCE SA	29 juin 2018	11201913580R				29 juin 2038	DATA CARRIER WITH TACTILE PRINTED AREA FOR INK WRITING DATA
GMT3574-WO-PCT	International Procedure	THALES DIS FRANCE SA	18 juin 2020	PCTEP2020066984	07 janv 2021	WO2021001164		18 juin 2040	METHOD FOR SECURING AN EXECUTION OF A LOCAL APPLICATION AND CORRESPONDING FIRST AND SECOND USER DEVICE AND SYSTEM
GMT3576-EP-EPT	European Procedure (Patents)	THALES DIS FRANCE SA	17 déc 2018	18819116.7	04 nov 2020	3732055		17 déc 2038	COLOR LASER MARKING OF SECURITY DOCUMENT AND A METHOD FOR PRODUCING SUCH SECURITY DOCUMENT
GMT3576-US-PCT	United States Of America	THALES DIS FRANCE SA	17 déc 2018	16958267	22 oct 2020	20200331284		17 déc 2038	COLOR LASER MARKING OF SECURITY DOCUMENT AND A METHOD FOR PRODUCING SUCH SECURITY DOCUMENT
GMT3579-EP-EPT	European Procedure (Patents)	THALES DIS FRANCE SA	02 oct 2018	18779687.5	12 août 2020	3692488		02 oct 2038	METHOD AND SYSTEM FOR PERFORMING A PAYMENT TRANSACTION ON A BANK TERMINAL WITH AN ELECTRONIC DEVICE
GMT3579-US-PCT	United States Of America	THALES DIS FRANCE SA	02 oct 2018	16753150	12 nov 2020	20200356968		02 oct 2038	METHOD AND SYSTEM FOR PERFORMING A PAYMENT TRANSACTION ON A BANK TERMINAL WITH AN ELECTRONIC DEVICE
GMT3582-CN-RD	China	THALES DIS FRANCE SA	06 mai 2016	ZL201630164807.9			19 oct 2016	303893027S	BAND
GMT3585-EP-EPT	European Procedure (Patents)	THALES DIS FRANCE SA	20 juin 2018	18730829.1	29 avr 2020	3642820		20 juin 2038	COMPUTING DEVICE PROCESSING EXPANDED DATA
GMT3585-US-PCT	United States Of America	THALES DIS FRANCE SA	20 juin 2018	16625529				20 juin 2038	COMPUTING DEVICE PROCESSING EXPANDED DATA
GMT3592-BR-PCT	Brazil	THALES DIS FRANCE SA	16 août 2019	1120210032720				16 août 2039	METHOD FOR PERSONALIZING AN IMPROVED UICC COOPERATING WITH A TERMINAL
GMT3592-CN-PCT	China	THALES DIS FRANCE SA	16 août 2019	201980055022.9				16 août 2039	METHOD FOR PERSONALIZING AN IMPROVED UICC COOPERATING WITH A TERMINAL
GMT3592-EP-EPT	European Procedure (Patents)	THALES DIS FRANCE SA	16 août 2019	19753096.7				16 août 2039	METHOD FOR PERSONALIZING AN IMPROVED UICC COOPERATING WITH A TERMINAL
GMT3592-JP-PCT	Japan	THALES DIS FRANCE SA	16 août 2019	PCTEP2019072049				16 août 2039	METHOD FOR PERSONALIZING AN IMPROVED UICC COOPERATING WITH A TERMINAL
GMT3592-US-PCT	United States Of America	THALES DIS FRANCE SA	16 août 2019	17269455				16 août 2039	METHOD FOR PERSONALIZING AN IMPROVED UICC COOPERATING WITH A TERMINAL
GMT3594-EP-EPT	European Procedure (Patents)	THALES DIS FRANCE SA	13 août 2018	18755191.6	24 juin 2020	3669293		13 août 2038	METHOD FOR AUTHENTICATING A USER AND CORRESPONDING USER DEVICES, SERVER AND SYSTEM
GMT3594-US-NP	United States Of America	THALES DIS FRANCE SA	16 août 2017	15678957	21 févr 2019	20190057199	17 déc 2019	10509893	METHOD FOR AUTHENTICATING A USER AND CORRESPONDING USER DEVICES, SERVER AND SYSTEM
GMT3599-EP-EPA	European Procedure (Patents)	THALES DIS FRANCE SA; CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE; UNIVERSITE JEAN MONNET SAINT-ETIENNE	26 sept 2017	17306265.4	27 mars 2019	3459757		26 sept 2037	METHOD FOR GENERATING VARIABLE GUILLOCHE PATTERNS, IMPLEMENTING DEVICE AND IDENTIFICATION DOCUMENT COMPRISING SUCH PATTERNS
GMT3599-US-PCT	United States Of America	THALES DIS FRANCE SA	01 oct 2018	16651270	16 juil 2020	20200223244		01 oct 2038	METHOD FOR GENERATING VARIABLE GUILLOCHE PATTERNS, IMPLEMENTING DEVICE AND IDENTIFICATION DOCUMENT COMPRISING SUCH PATTERNS

GMT3603-EP-EPT	European Procedure (Patents)	THALES DIS FRANCE SA	29 juin 2018	18733631.8	13 mai 2020	3649573			29 juin 2038	DISPOSITIF ELECTRONIQUE A CAPTEUR D'EMPREINTE BIOMETRIQUE POUR UNE ASSISTANCE A LA SAISIE OU LECTURE D'EMPREINTE DIGITALE
GMT3611-EP-EPT	European Procedure (Patents)	THALES DIS FRANCE SA	25 sept 2018	18774049.3	05 août 2020	3687823			25 sept 2038	METHOD FOR THE INSERTION OF GUILLOCHE PATTERNS, METHOD FOR THE EXTRACTION OF GUILLOCHE PATTERNS, METHOD FOR THE AUTHENTICATION OF THESE GUILLOCHE PATTERNS AND DEVICES FOR IMPLEMENTATION
GMT3611-EP-ETD	European Procedure (Patents)	THALES DIS FRANCE SA	25 sept 2018	21162556.1					25 sept 2038	
GMT3611-US-PCT	United States Of America	THALES DIS FRANCE SA	25 sept 2018	16650959	13 août 2020	20200254807			25 sept 2038	METHOD FOR THE INSERTION OF GUILLOCHE PATTERNS, METHOD FOR THE EXTRACTION OF GUILLOCHE PATTERNS, METHOD FOR THE AUTHENTICATION OF THESE GUILLOCHE PATTERNS AND DEVICES FOR IMPLEMENTATION
GMT3614-DE-EPT	Germany	THALES DIS FRANCE SA	22 oct 2007	07823116.4	08 juil 2009	2076995	16 mars 2016	2076995	22 oct 2027	DATA COMPACTION METHOD FOR AN INTERMEDIATE OBJECT CODE PROGRAMME EXECUTABLE IN AN ONBOARD SYSTEM PROVIDED WITH DATA PROCESSING RESOURCES AND CORRESPONDING ONBOARD SYSTEM WITH MULTIPLE APPLICATIONS.
GMT3614-FI-NP	Finland	THALES DIS FRANCE SA	23 oct 2006	20060929	24 avr 2008	20060929	31 juil 2012	122847	23 oct 2026	DATA COMPACTION METHOD FOR AN INTERMEDIATE OBJECT CODE PROGRAMME EXECUTABLE IN AN ONBOARD SYSTEM PROVIDED WITH DATA PROCESSING RESOURCES AND CORRESPONDING ONBOARD SYSTEM WITH MULTIPLE APPLICATIONS.
GMT3614-FR-EPT	France	THALES DIS FRANCE SA	22 oct 2007	07823116.4	08 juil 2009	2076995	16 mars 2016	2076995	22 oct 2027	DATA COMPACTION METHOD FOR AN INTERMEDIATE OBJECT CODE PROGRAMME EXECUTABLE IN AN ONBOARD SYSTEM PROVIDED WITH DATA PROCESSING RESOURCES AND CORRESPONDING ONBOARD SYSTEM WITH MULTIPLE APPLICATIONS.
GMT3614-GB-EPT	United Kingdom	THALES DIS FRANCE SA	22 oct 2007	07823116.4	08 juil 2009	2076995	16 mars 2016	2076995	22 oct 2027	DATA COMPACTION METHOD FOR AN INTERMEDIATE OBJECT CODE PROGRAMME EXECUTABLE IN AN ONBOARD SYSTEM PROVIDED WITH DATA PROCESSING RESOURCES AND CORRESPONDING ONBOARD SYSTEM WITH MULTIPLE APPLICATIONS.
GMT3614-IT-EPT	Italy	THALES DIS FRANCE SA	22 oct 2007	07823116.4	08 juil 2009	2076995	16 mars 2016	2076995	22 oct 2027	DATA COMPACTION METHOD FOR AN INTERMEDIATE OBJECT CODE PROGRAMME EXECUTABLE IN AN ONBOARD SYSTEM PROVIDED WITH DATA PROCESSING RESOURCES AND CORRESPONDING ONBOARD SYSTEM WITH MULTIPLE APPLICATIONS.
GMT3614-NL-EPT	Netherlands	THALES DIS FRANCE SA	22 oct 2007	07823116.4	08 juil 2009	2076995	16 mars 2016	2076995	22 oct 2027	DATA COMPACTION METHOD FOR AN INTERMEDIATE OBJECT CODE PROGRAMME EXECUTABLE IN AN ONBOARD SYSTEM PROVIDED WITH DATA PROCESSING RESOURCES AND CORRESPONDING ONBOARD SYSTEM WITH MULTIPLE APPLICATIONS.
GMT3614-PL-EPT	Poland	THALES DIS FRANCE SA	22 oct 2007	07823116.4	08 juil 2009	2076995	16 mars 2016	2076995	22 oct 2027	DATA COMPACTION METHOD FOR AN INTERMEDIATE OBJECT CODE PROGRAMME EXECUTABLE IN AN ONBOARD SYSTEM PROVIDED WITH DATA PROCESSING RESOURCES

										AND CORRESPONDING ONBOARD SYSTEM WITH MULTIPLE APPLICATIONS.
GMT3615-DE-EPT	Germany	THALES DIS FRANCE SA	22 oct 2007	07823115.6	15 juil 2009	2078371	24 juil 2019	602007058899.5	22 oct 2027	METHOD AND SYSTEM FOR USING PKCS REGISTRATION ON MOBILE ENVIRONMENT
GMT3615-EE-EPT	Estonia	THALES DIS FRANCE SA	22 oct 2007	07823115.6	15 juil 2009	2078371	24 juil 2019	2078371	22 oct 2027	METHOD AND SYSTEM FOR USING PKCS REGISTRATION ON MOBILE ENVIRONMENT
GMT3615-ES-EPT	Spain	THALES DIS FRANCE SA	22 oct 2007	07823115.6	15 juil 2009	2078371	24 juil 2019	2078371	22 oct 2027	METHOD AND SYSTEM FOR USING PKCS REGISTRATION ON MOBILE ENVIRONMENT
GMT3615-FI-EPT	Finland	THALES DIS FRANCE SA	22 oct 2007	07823115.6	15 juil 2009	2078371	24 juil 2019	2078371	22 oct 2027	METHOD AND SYSTEM FOR USING PKCS REGISTRATION ON MOBILE ENVIRONMENT
GMT3615-FI-NP	Finland	THALES DIS FRANCE SA	23 oct 2006	20060930	24 avr 2008	20060930	29 août 2014	124424	23 oct 2026	METHOD AND SYSTEM FOR USING PKCS REGISTRATION ON MOBILE ENVIRONMENT
GMT3615-FR-EPT	France	THALES DIS FRANCE SA	22 oct 2007	07823115.6	15 juil 2009	2078371	24 juil 2019	2078371	22 oct 2027	METHOD AND SYSTEM FOR USING PKCS REGISTRATION ON MOBILE ENVIRONMENT
GMT3615-GB-EPT	United Kingdom	THALES DIS FRANCE SA	22 oct 2007	07823115.6	15 juil 2009	2078371	24 juil 2019	2078371	22 oct 2027	METHOD AND SYSTEM FOR USING PKCS REGISTRATION ON MOBILE ENVIRONMENT
GMT3615-IT-EPT	Italy	THALES DIS FRANCE SA	22 oct 2007	07823115.6	15 juil 2009	2078371	24 juil 2019	502019000086177	22 oct 2027	METHOD AND SYSTEM FOR USING PKCS REGISTRATION ON MOBILE ENVIRONMENT
GMT3615-TR-EPT	Turkey	THALES DIS FRANCE SA	22 oct 2007	07823115.6	15 juil 2009	2078371	24 juil 2019	2078371	22 oct 2027	METHOD AND SYSTEM FOR USING PKCS REGISTRATION ON MOBILE ENVIRONMENT
GMT3615-US-NP	United States Of America	THALES DIS FRANCE SA	23 oct 2007	11977421	17 juil 2008	20080170697	06 nov 2012	8307202	23 oct 2027	METHOD AND SYSTEM FOR USING PKCS REGISTRATION ON MOBILE ENVIRONMENT
GMT3618-EP-EPT	European Procedure (Patents)	THALES DIS FRANCE SA	07 déc 2018	18811592.7	24 juin 2020	3729850			07 déc 2038	A METHOD FOR CONTROLLING BY A SERVER THE USE OF AT LEAST ONE DATA ELEMENT OF A DATA OWNER
GMT3618-US-PCT	United States Of America	THALES DIS FRANCE SA	07 déc 2018	16955980	21 janv 2021	20210021430			07 déc 2038	A METHOD FOR CONTROLLING BY A SERVER THE USE OF AT LEAST ONE DATA ELEMENT OF A DATA OWNER
GMT3619-CN-PCT	China	THALES DIS FRANCE SA	16 oct 2018	201880074108.1	19 juin 2020	111316266			16 oct 2038	A METHOD FOR IMPROVING USER AUTHENTICATION PERFORMED BY A COMMUNICATION DEVICE
GMT3619-EP-EPT	European Procedure (Patents)	THALES DIS FRANCE SA	16 oct 2018	18785969.9	23 sept 2020	3710964			16 oct 2038	A METHOD FOR IMPROVING USER AUTHENTICATION PERFORMED BY A COMMUNICATION DEVICE
GMT3619-JP-PCT	Japan	THALES DIS FRANCE SA	16 oct 2018	2020526931					16 oct 2038	A METHOD FOR IMPROVING USER AUTHENTICATION PERFORMED BY A COMMUNICATION DEVICE
GMT3619-US-PCT	United States Of America	THALES DIS FRANCE SA	16 oct 2018	16759949	29 oct 2020	20200344226			16 oct 2038	A METHOD FOR IMPROVING USER AUTHENTICATION PERFORMED BY A COMMUNICATION DEVICE
GMT3625-WO-PCT	International Procedure	THALES DIS FRANCE SA	29 mai 2019	PCTEP2019064098	09 juil 2020	WO2020141025			29 mai 2039	METHOD AND SYSTEM FOR MANAGING ACCESS TO A SERVICE
GMT3632-CN-PCT	China	THALES DIS FRANCE SA; SAFENET CANADA INC.	04 avr 2018	201880039580.1	14 févr 2020	110800248			04 avr 2038	METHOD FOR MUTUAL SYMMETRIC AUTHENTICATION BETWEEN A FIRST APPLICATION AND A SECOND APPLICATION
GMT3632-DE-EPT	Germany	THALES DIS FRANCE SA; SAFENET CANADA INC.	04 avr 2018	18713997.7	26 févr 2020	3613169	17 mars 2021	3613169	04 avr 2038	METHOD FOR MUTUAL SYMMETRIC AUTHENTICATION BETWEEN A FIRST APPLICATION AND A SECOND APPLICATION
GMT3632-EP-EPT	European Procedure (Patents)	THALES DIS FRANCE SA; SAFENET CANADA INC.	04 avr 2018	18713997.7	26 févr 2020	3613169	17 mars 2021	3613169	04 avr 2038	METHOD FOR MUTUAL SYMMETRIC AUTHENTICATION BETWEEN A FIRST APPLICATION AND A SECOND APPLICATION
GMT3632-ES-EPT	Spain	THALES DIS FRANCE SA; SAFENET CANADA INC.	04 avr 2018	18713997.7	26 févr 2020	3613169	17 mars 2021	3613169	04 avr 2038	METHOD FOR MUTUAL SYMMETRIC AUTHENTICATION BETWEEN A FIRST APPLICATION AND A SECOND APPLICATION

GMT3632-FR-EPT	France	THALES DIS FRANCE SA;SAFENET CANADA INC.	04 avr 2018	18713997.7	26 févr 2020	3613169	17 mars 2021	3613169	04 avr 2038	METHOD FOR MUTUAL SYMMETRIC AUTHENTICATION BETWEEN A FIRST APPLICATION AND A SECOND APPLICATION
GMT3632-GB-EPT	United Kingdom	THALES DIS FRANCE SA;SAFENET CANADA INC.	04 avr 2018	18713997.7	26 févr 2020	3613169	17 mars 2021	3613169	04 avr 2038	METHOD FOR MUTUAL SYMMETRIC AUTHENTICATION BETWEEN A FIRST APPLICATION AND A SECOND APPLICATION
GMT3632-IT-EPT	Italy	THALES DIS FRANCE SA;SAFENET CANADA INC.	04 avr 2018	18713997.7	26 févr 2020	3613169	17 mars 2021	3613169	04 avr 2038	METHOD FOR MUTUAL SYMMETRIC AUTHENTICATION BETWEEN A FIRST APPLICATION AND A SECOND APPLICATION
GMT3632-JP-PCT	Japan	THALES DIS FRANCE SA;SAFENET CANADA INC.	04 avr 2018	2020519833					04 avr 2038	METHOD FOR MUTUAL SYMMETRIC AUTHENTICATION BETWEEN A FIRST APPLICATION AND A SECOND APPLICATION
GMT3632-KR-PCT	South Korea / Republic of Korea	THALES DIS FRANCE SA;SAFENET CANADA INC.	04 avr 2018	1020207000408					04 avr 2038	METHOD FOR MUTUAL SYMMETRIC AUTHENTICATION BETWEEN A FIRST APPLICATION AND A SECOND APPLICATION
GMT3632-US-PCT	United States Of America	THALES DIS FRANCE SA;SAFENET CANADA INC.	04 avr 2018	16621466	04 juin 2020	20200177563			04 avr 2038	METHOD FOR MUTUAL SYMMETRIC AUTHENTICATION BETWEEN A FIRST APPLICATION AND A SECOND APPLICATION
GMT3640-EP-EPT	European Procedure (Patents)	THALES DIS FRANCE SA	29 oct 2018	18795553.9	09 sept 2020	3703955			29 oct 2038	PROCÉDÉ DE SECURISATION DE LA ZONE PERSONNALISÉE D'UN DOCUMENT SECURISÉ ET DISPOSITIF SECURISÉ COMPORTANT UNE TELLE ZONE PERSONALISÉE
GMT3651-EP-EPT	European Procedure (Patents)	THALES DIS FRANCE SA	31 juil 2018	18743840.3	01 juil 2020	3673490			31 juil 2038	METHOD FOR SECURING A MACHINE LEARNING BASED DECISION SYSTEM
GMT3651-US-PCT	United States Of America	THALES DIS FRANCE SA	31 juil 2018	16640549	09 juil 2020	20200219009			31 juil 2038	METHOD FOR SECURING A MACHINE LEARNING BASED DECISION SYSTEM
GMT3653-EP-EPT	European Procedure (Patents)	THALES DIS FRANCE SA	15 mars 2019	19709972.4	17 févr 2021	3777277			15 mars 2039	METHOD FOR AUTHENTICATING OF A USER AT A USER EQUIPMENT
GMT3653-US-PCT	United States Of America	THALES DIS FRANCE SA	15 mars 2019	17042025					15 mars 2039	METHOD FOR AUTHENTICATING OF A USER AT A USER EQUIPMENT
GMT3655-EP-EPT	European Procedure (Patents)	THALES DIS FRANCE SA	16 avr 2019	19716953.5	24 févr 2021	3782324			16 avr 2039	METHOD SECURED AGAINST SIDE-CHANNEL ATTACKS PERFORMING AN ARITHMETIC OPERATION OF A CRYPTOGRAPHIC ALGORITHM MIXING BOOLEAN AND ARITHMETIC OPERATIONS
GMT3655-US-PCT	United States Of America	THALES DIS FRANCE SA	16 avr 2019	17048262					16 avr 2039	METHOD SECURED AGAINST SIDE-CHANNEL ATTACKS PERFORMING AN ARITHMETIC OPERATION OF A CRYPTOGRAPHIC ALGORITHM MIXING BOOLEAN AND ARITHMETIC OPERATIONS
GMT3662-EP-EPT	European Procedure (Patents)	THALES DIS FRANCE SA	16 oct 2018	18785379.1	16 sept 2020	3707922			16 oct 2038	A METHOD FOR A SERVICE PROVIDER TO LAUNCH A TARGETED SERVICE IMPLEMENTED BY AN APPLICATION BELONGING TO A SECURITY DOMAIN OF AN EUICC
GMT3662-JP-PCT	Japan	THALES DIS FRANCE SA	16 oct 2018	2020525867					16 oct 2038	A METHOD FOR A SERVICE PROVIDER TO LAUNCH A TARGETED SERVICE IMPLEMENTED BY AN APPLICATION BELONGING TO A SECURITY DOMAIN OF AN EUICC
GMT3662-US-PCT	United States Of America	THALES DIS FRANCE SA	16 oct 2018	16759448	10 sept 2020	20200288290			16 oct 2038	A METHOD FOR A SERVICE PROVIDER TO LAUNCH A TARGETED SERVICE IMPLEMENTED BY AN APPLICATION BELONGING TO A SECURITY DOMAIN OF AN EUICC
GMT3667-EP-EPT	European Procedure (Patents)	THALES DIS FRANCE SA	04 déc 2018	18811040.7	28 oct 2020	3729283			04 déc 2038	METHOD OF ACTIVATING A FEATURE OF A CHIP

GMT3667-US-PCT	United States Of America	THALES DIS FRANCE SA	04 déc 2018	15733238					04 déc 2038	METHOD OF ACTIVATING A FEATURE OF A CHIP
GMT3680-EP-EPT	European Procedure (Patents)	THALES DIS FRANCE SA	23 oct 2018	18786827.8	02 sept 2020	3701668			23 oct 2038	METHODS FOR RECORDING AND SHARING A DIGITAL IDENTITY OF A USER USING DISTRIBUTED LEDGERS
GMT3681-DE-EPT	Germany	THALES DIS FRANCE SA	29 janv 2018	18701361.0	11 déc 2019	3577921	17 mars 2021	60 2018 014 036.0	29 janv 2038	A METHOD FOR AN EUICC EMBEDDED INTO A MACHINE TYPE COMMUNICATION DEVICE TO TRIGGER THE DOWNLOAD OF A SUBSCRIPTION PROFILE
GMT3681-EP-EPT	European Procedure (Patents)	THALES DIS FRANCE SA	29 janv 2018	18701361.0	11 déc 2019	3577921	17 mars 2021	3577921	29 janv 2038	A METHOD FOR AN EUICC EMBEDDED INTO A MACHINE TYPE COMMUNICATION DEVICE TO TRIGGER THE DOWNLOAD OF A SUBSCRIPTION PROFILE
GMT3681-ES-EPT	Spain	THALES DIS FRANCE SA	29 janv 2018	18701361.0	11 déc 2019	3577921	17 mars 2021	3577921	29 janv 2038	A METHOD FOR AN EUICC EMBEDDED INTO A MACHINE TYPE COMMUNICATION DEVICE TO TRIGGER THE DOWNLOAD OF A SUBSCRIPTION PROFILE
GMT3681-FR-EPT	France	THALES DIS FRANCE SA	29 janv 2018	18701361.0	11 déc 2019	3577921	17 mars 2021	3577921	29 janv 2038	A METHOD FOR AN EUICC EMBEDDED INTO A MACHINE TYPE COMMUNICATION DEVICE TO TRIGGER THE DOWNLOAD OF A SUBSCRIPTION PROFILE
GMT3681-GB-EPT	United Kingdom	THALES DIS FRANCE SA	29 janv 2018	18701361.0	11 déc 2019	3577921	17 mars 2021	3577921	29 janv 2038	A METHOD FOR AN EUICC EMBEDDED INTO A MACHINE TYPE COMMUNICATION DEVICE TO TRIGGER THE DOWNLOAD OF A SUBSCRIPTION PROFILE
GMT3681-IT-EPT	Italy	THALES DIS FRANCE SA	29 janv 2018	18701361.0	11 déc 2019	3577921	17 mars 2021	3577921	29 janv 2038	A METHOD FOR AN EUICC EMBEDDED INTO A MACHINE TYPE COMMUNICATION DEVICE TO TRIGGER THE DOWNLOAD OF A SUBSCRIPTION PROFILE
GMT3681-JP-PCT	Japan	THALES DIS FRANCE SA	29 janv 2018	2019542153	20 févr 2020	2020505879	18 déc 2020	6812565	29 janv 2038	A METHOD FOR AN EUICC EMBEDDED INTO A MACHINE TYPE COMMUNICATION DEVICE TO TRIGGER THE DOWNLOAD OF A SUBSCRIPTION PROFILE
GMT3681-KR-PCT	South Korea / Republic of Korea	THALES DIS FRANCE SA	29 janv 2018	20197025690	26 nov 2019	1020190131481			29 janv 2038	A METHOD FOR AN EUICC EMBEDDED INTO A MACHINE TYPE COMMUNICATION DEVICE TO TRIGGER THE DOWNLOAD OF A SUBSCRIPTION PROFILE
GMT3681-NO-EPT	Norway	THALES DIS FRANCE SA	29 janv 2018	18701361.0	11 déc 2019	3577921	17 mars 2021	3577921	29 janv 2038	A METHOD FOR AN EUICC EMBEDDED INTO A MACHINE TYPE COMMUNICATION DEVICE TO TRIGGER THE DOWNLOAD OF A SUBSCRIPTION PROFILE
GMT3681-SE-EPT	Sweden	THALES DIS FRANCE SA	29 janv 2018	18701361.0	11 déc 2019	3577921	17 mars 2021	3577921	29 janv 2038	A METHOD FOR AN EUICC EMBEDDED INTO A MACHINE TYPE COMMUNICATION DEVICE TO TRIGGER THE DOWNLOAD OF A SUBSCRIPTION PROFILE
GMT3681-US-PCT	United States Of America	THALES DIS FRANCE SA	29 janv 2018	16483137	16 janv 2020	20200021973			29 janv 2038	A METHOD FOR AN EUICC EMBEDDED INTO A MACHINE TYPE COMMUNICATION DEVICE TO TRIGGER THE DOWNLOAD OF A SUBSCRIPTION PROFILE
GMT3684-AU-PCT	Australia	THALES DIS FRANCE SA	28 nov 2018	2018374489					28 nov 2038	METHOD FOR PROTECTING A SOURCE OF ENTROPY USED IN COUNTERMEASURES SECURING A WHITEBOX CRYPTOGRAPHIC ALGORITHM
GMT3684-CN-PCT	China	THALES DIS FRANCE SA	28 nov 2018	201880077544.4	28 août 2020	111602367			28 nov 2038	METHOD FOR PROTECTING A SOURCE OF ENTROPY USED IN COUNTERMEASURES SECURING A WHITEBOX CRYPTOGRAPHIC ALGORITHM

GMT3684-EP-EPT	European Procedure (Patents)	THALES DIS FRANCE SA	28 nov 2018	18807099.9	07 oct 2020	3718246		28 nov 2038	METHOD FOR PROTECTING A SOURCE OF ENTROPY USED IN COUNTERMEASURES SECURING A WHITEBOX CRYPTOGRAPHIC ALGORITHM
GMT3684-US-PCT	United States Of America	THALES DIS FRANCE SA	28 nov 2018	16766878	15 oct 2020	20200328876		28 nov 2038	METHOD FOR PROTECTING A SOURCE OF ENTROPY USED IN COUNTERMEASURES SECURING A WHITEBOX CRYPTOGRAPHIC ALGORITHM
GMT3692-EP-EPT	European Procedure (Patents)	THALES DIS FRANCE SA	02 oct 2018	18783418.9	15 juil 2020	3692697		02 oct 2038	A METHOD FOR TRANSMITTING TO A PHYSICAL OR VIRTUAL ELEMENT OF A TELECOMMUNICATIONS NETWORK AN ENCRYPTED SUBSCRIPTION IDENTIFIER STORED IN A SECURITY ELEMENT, CORRESPONDING SECURITY ELEMENT, PHYSICAL OR VIRTUAL ELEMENT AND TERMINAL COOPERATING WITH THIS SECURITY ELEMENT
GMT3692-JP-PCT	Japan	THALES DIS FRANCE SA	02 oct 2018	PCTEP2018076850				02 oct 2038	A METHOD FOR TRANSMITTING TO A PHYSICAL OR VIRTUAL ELEMENT OF A TELECOMMUNICATIONS NETWORK AN ENCRYPTED SUBSCRIPTION IDENTIFIER STORED IN A SECURITY ELEMENT, CORRESPONDING SECURITY ELEMENT, PHYSICAL OR VIRTUAL ELEMENT AND TERMINAL COOPERATING WITH THIS SECURITY ELEMENT
GMT3692-KR-PCT	South Korea / Republic of Korea	THALES DIS FRANCE SA	02 oct 2018	1020207012009				02 oct 2038	A METHOD FOR TRANSMITTING TO A PHYSICAL OR VIRTUAL ELEMENT OF A TELECOMMUNICATIONS NETWORK AN ENCRYPTED SUBSCRIPTION IDENTIFIER STORED IN A SECURITY ELEMENT, CORRESPONDING SECURITY ELEMENT, PHYSICAL OR VIRTUAL ELEMENT AND TERMINAL COOPERATING WITH THIS SECURITY ELEMENT
GMT3692-US-PCT	United States Of America	THALES DIS FRANCE SA	02 oct 2018	16753465	13 août 2020	20200260273		02 oct 2038	A METHOD FOR TRANSMITTING TO A PHYSICAL OR VIRTUAL ELEMENT OF A TELECOMMUNICATIONS NETWORK AN ENCRYPTED SUBSCRIPTION IDENTIFIER STORED IN A SECURITY ELEMENT, CORRESPONDING SECURITY ELEMENT, PHYSICAL OR VIRTUAL ELEMENT AND TERMINAL COOPERATING WITH THIS SECURITY ELEMENT
GMT3704-WO-PCT	International Procedure	THALES DIS FRANCE SA	13 déc 2019	PCTEP2019085133	25 juin 2020	WO2020126928		13 déc 2039	METHOD FOR CUTTING AN INK STICKER IN A MULTILAYER STRUCTURE AND METHOD FOR PRINTING THE INK STICKER ONTO A SUBSTRATE
GMT3705-WO-PCT	International Procedure	THALES DIS FRANCE SA	02 juil 2020	PCTEP2020068682	14 janv 2021	WO2021004890		02 juil 2040	MULTI-PAGE PERSONALIZATION FOR A MULTI-PAGE SECURITY DOCUMENT
GMT3707-EP-EPT	European Procedure (Patents)	THALES DIS FRANCE SA	19 nov 2018	18800679.5	04 nov 2020	3732600		19 nov 2038	AUTHENTICATION METHOD, DEVICE AND SYSTEM
GMT3707-US-PCT	United States Of America	THALES DIS FRANCE SA	19 nov 2018	16958252	22 oct 2020	20200336300		19 nov 2038	AUTHENTICATION METHOD, DEVICE AND SYSTEM
GMT3725-CN-PCT	China	THALES DIS FRANCE SA	06 nov 2018	201880072342.0	02 oct 2020	111742316		06 nov 2038	METHOD OF MANAGING A TAMPER-PROOF DEVICE COMPRISING SEVERAL SOFTWARE CONTAINERS
GMT3725-EP-EPT	European Procedure (Patents)	THALES DIS FRANCE SA	06 nov 2018	18795683.4	30 sept 2020	3714392		06 nov 2038	METHOD OF MANAGING A TAMPER-PROOF DEVICE COMPRISING SEVERAL SOFTWARE CONTAINERS
GMT3725-JP-PCT	Japan	THALES DIS FRANCE SA	06 nov 2018	2020524783				06 nov 2038	METHOD OF MANAGING A TAMPER-PROOF DEVICE COMPRISING SEVERAL SOFTWARE CONTAINERS
GMT3725-KR-PCT	South Korea / Republic of Korea	THALES DIS FRANCE SA	06 nov 2018	1020207012643				06 nov 2038	METHOD OF MANAGING A TAMPER-PROOF DEVICE COMPRISING SEVERAL SOFTWARE CONTAINERS
GMT3725-US-PCT	United States Of America	THALES DIS FRANCE SA	06 nov 2018	16765199	03 sept 2020	20200279059		06 nov 2038	METHOD OF MANAGING A TAMPER-PROOF DEVICE COMPRISING SEVERAL SOFTWARE CONTAINERS

GMT3745-EP-EPA	European Procedure (Patents)	THALES DIS FRANCE SA	31 mai 2018	18305668.8	04 déc 2019	3575884			31 mai 2038	METHOD TO REMOTELY AUTHENTICATE AN OFFICIAL DOCUMENT
GMT3751-EP-EPT	European Procedure (Patents)	THALES DIS FRANCE SA	09 avr 2019	19715122.8	17 févr 2021	3776302			09 avr 2039	METHOD FOR ACTIVATING SENSORS IN A MULTI-UNIT DEVICE
GMT3751-US-PCT	United States Of America	THALES DIS FRANCE SA	09 avr 2019	17046964	18 févr 2021	20210049261			09 avr 2039	METHOD FOR ACTIVATING SENSORS IN A MULTI-UNIT DEVICE
GMT3758-EP-EPT	European Procedure (Patents)	THALES DIS FRANCE SA	04 déc 2018	18811039.9	21 oct 2020	3725109			04 déc 2038	METHOD OF MANAGING A TAMPER-PROOF DEVICE COMPRISING A PLURALITY OF SOFTWARE CONTAINERS
GMT3758-US-PCT	United States Of America	THALES DIS FRANCE SA	04 déc 2018	16771749					04 déc 2038	METHOD OF MANAGING A TAMPER-PROOF DEVICE COMPRISING A PLURALITY OF SOFTWARE CONTAINERS
GMT3762-AU-PCT	Australia	THALES DIS FRANCE SA	10 déc 2018	2018393845					10 déc 2038	A METHOD FOR UPDATING A ONE-TIME SECRET KEY
GMT3762-BR-PCT	Brazil	THALES DIS FRANCE SA	10 déc 2018	BR112020012975.5					10 déc 2038	A METHOD FOR UPDATING A ONE-TIME SECRET KEY
GMT3762-CN-PCT	China	THALES DIS FRANCE SA	10 déc 2018	201880090276.X	11 déc 2020	112075094			10 déc 2038	A METHOD FOR UPDATING A ONE-TIME SECRET KEY
GMT3762-EP-EPT	European Procedure (Patents)	THALES DIS FRANCE SA	10 déc 2018	18811870.7	04 nov 2020	3732910			10 déc 2038	A METHOD FOR UPDATING A ONE-TIME SECRET KEY
GMT3762-IN-PCT	India	THALES DIS FRANCE SA	10 déc 2018	202047031700	02 oct 2020	202047031700			10 déc 2038	A METHOD FOR UPDATING A ONE-TIME SECRET KEY
GMT3762-US-PCT	United States Of America	THALES DIS FRANCE SA	10 déc 2018	16958327	25 févr 2021	20210058250			10 déc 2038	A METHOD FOR UPDATING A ONE-TIME SECRET KEY
GMT3764-EP-EPT	European Procedure (Patents)	THALES DIS FRANCE SA; THALES DIS CPL USA, Inc.	11 févr 2019	19705319.2	06 janv 2021	3759629			11 févr 2039	METHOD, ENTITY AND SYSTEM FOR MANAGING ACCESS TO DATA THROUGH A LATE DYNAMIC BINDING OF ITS ASSOCIATED METADATA
GMT3764-US-NP	United States Of America	THALES DIS FRANCE SA; THALES DIS CPL USA, Inc.	27 févr 2018	15906833	29 août 2019	20190268341			27 févr 2038	METHOD, ENTITY AND SYSTEM FOR MANAGING ACCESS TO DATA THROUGH A LATE DYNAMIC BINDING OF ITS ASSOCIATED METADATA
GMT3765-EP-EPT	European Procedure (Patents)	THALES DIS FRANCE SA; THALES DIS CPL USA, Inc.	17 déc 2018	18826282.8	04 nov 2020	3732598			17 déc 2038	METHOD, FIRST DEVICE, SECOND DEVICE AND SYSTEM FOR MANAGING ACCESS TO DATA
GMT3765-US-NP	United States Of America	THALES DIS FRANCE SA; THALES DIS CPL USA, Inc.	29 déc 2017	15858882	04 juil 2019	20190205045	30 mars 2021	10963167	29 déc 2037	METHOD, FIRST DEVICE, SECOND DEVICE AND SYSTEM FOR MANAGING ACCESS TO DATA
GMT3768-EP-EPT	European Procedure (Patents)	THALES DIS FRANCE SA	22 févr 2019	19705366.3	13 janv 2021	3762240			22 févr 2039	METHOD FOR SECURING A SECURITY DOCUMENT AND SECURITY DOCUMENT OBTAINED WITH THIS METHOD
GMT3768-JP-PCT	Japan	THALES DIS FRANCE SA	22 févr 2019	2020546931					22 févr 2039	METHOD FOR SECURING A SECURITY DOCUMENT AND SECURITY DOCUMENT OBTAINED WITH THIS METHOD
GMT3768-US-PCT	United States Of America	THALES DIS FRANCE SA	22 févr 2019	16978981	31 déc 2020	20200406663			22 févr 2039	METHOD FOR SECURING A SECURITY DOCUMENT AND SECURITY DOCUMENT OBTAINED WITH THIS METHOD
GMT3775-WO-PCT	International Procedure	THALES DIS FRANCE SA	04 août 2020	PCTEP2020071868	18 févr 2021	WO2021028259			04 août 2040	INTEGRATED FLOATING IMAGE FOR SECURITY DOCUMENTS
GMT3776-EP-EPT	European Procedure (Patents)	THALES DIS FRANCE SA	17 déc 2018	18819117.5	04 nov 2020	3732056			17 déc 2038	IDENTIFICATION DOCUMENT WITH SEVERAL VISUAL MARKINGS AND METHOD FOR MANUFACTURING THEREOF
GMT3776-US-PCT	United States Of America	THALES DIS FRANCE SA	17 déc 2018	16958450	25 févr 2021	20210053382			17 déc 2038	IDENTIFICATION DOCUMENT WITH SEVERAL VISUAL MARKINGS AND METHOD FOR MANUFACTURING THEREOF

GMT3781-EP-EPT	European Procedure (Patents)	THALES DIS FRANCE SA	17 avr 2019	19717497.2	24 févr 2021	3782060			17 avr 2039	METHOD TO AUTHENTICATE AN IDENTITY DOCUMENT
GMT3781-US-PCT	United States Of America	THALES DIS FRANCE SA	17 avr 2019	17048724					17 avr 2039	METHOD TO AUTHENTICATE AN IDENTITY DOCUMENT
GMT3794-WO-PCT	International Procedure	THALES DIS FRANCE SA	21 nov 2019	PCTEP2019082116	28 mai 2020	WO2020104601			21 nov 2039	A METHOD FOR GENERATING AN EXECUTABLE FILE FROM A PARENT EXECUTABLE FILE TO PRODUCE A DERIVED CUSTOMER ITEM
GMT3800-AU-PCT	Australia	THALES DIS FRANCE SA	13 mai 2019	2019270208					13 mai 2039	PROCEDE ET SYSTEME D'ENROLEMENT AUTONOME POUR DETENTEUR DE DISPOSITIF BIOMETRIQUE
GMT3800-EP-EPT	European Procedure (Patents)	THALES DIS FRANCE SA	13 mai 2019	19722638.4	24 mars 2021	3794538			13 mai 2039	PROCEDE ET SYSTEME D'ENROLEMENT AUTONOME POUR DETENTEUR DE DISPOSITIF BIOMETRIQUE
GMT3800-JP-PCT	Japan	THALES DIS FRANCE SA	13 mai 2019	2020564210					13 mai 2039	PROCEDE ET SYSTEME D'ENROLEMENT AUTONOME POUR DETENTEUR DE DISPOSITIF BIOMETRIQUE
GMT3800-US-PCT	United States Of America	THALES DIS FRANCE SA	13 mai 2019	17055438					13 mai 2039	AUTONOMOUS ENROLMENT SYSTEM AND METHOD FOR HOLDER OF BIOMETRIC DEVICE
GMT3820-WO-PCT	International Procedure	THALES DIS FRANCE SA	13 nov 2019	PCTEP2019081129	18 juin 2020	WO2020120056			13 nov 2039	METHOD FOR SECURING A SYSTEM IN CASE OF AN UNDESIRE POWER-LOSS
GMT3827-WO-PCT	International Procedure	THALES DIS FRANCE SA	25 nov 2019	PCTEP2019082354	18 juin 2020	WO2020120111			25 nov 2039	METHOD TO MANAGE MULTIPLE VIRTUAL DOCUMENTS IN A CONTACTLESS SECURE ELEMENT
GMT3840-EP-EPT	European Procedure (Patents)	THALES DIS FRANCE SA	18 déc 2018	18816150.9	13 janv 2021	3763137			18 déc 2038	A METHOD FOR ANTICIPATING DATA EXCHANGES BETWEEN A FIRST AND AT LEAST ONE SECOND VEHICLE
GMT3841-EP-EPT	European Procedure (Patents)	THALES DIS FRANCE SA	16 avr 2019	19716931.1	24 févr 2021	3782065			16 avr 2039	METHOD FOR SECURING A COMPUTER SYSTEM
GMT3841-US-PCT	United States Of America	THALES DIS FRANCE SA	16 avr 2019	17048351					16 avr 2039	METHOD FOR SECURING A COMPUTER SYSTEM
GMT3850-CN-PCT	China	THALES DIS FRANCE SA	11 sept 2018	201880059639.3	03 juin 2020	111373779			11 sept 2038	A METHOD FOR ALLOCATING TEMPORARILY A SUBSCRIPTION TO A CREDENTIAL CONTAINER
GMT3850-EP-EPT	European Procedure (Patents)	THALES DIS FRANCE SA	11 sept 2018	18765901.6	22 juil 2020	3682657			11 sept 2038	A METHOD FOR ALLOCATING TEMPORARILY A SUBSCRIPTION TO A CREDENTIAL CONTAINER
GMT3850-JP-PCT	Japan	THALES DIS FRANCE SA	11 sept 2018	2020515192	19 nov 2020	2020533919			11 sept 2038	A METHOD FOR ALLOCATING TEMPORARILY A SUBSCRIPTION TO A CREDENTIAL CONTAINER
GMT3850-KR-PCT	South Korea / Republic of Korea	THALES DIS FRANCE SA	11 sept 2018	1020207011094	18 mai 2020	1020200053593			11 sept 2038	A METHOD FOR ALLOCATING TEMPORARILY A SUBSCRIPTION TO A CREDENTIAL CONTAINER
GMT3850-US-PCT	United States Of America	THALES DIS FRANCE SA	11 sept 2018	16647681	23 juil 2020	20200236529	02 févr 2021	10911937	11 sept 2038	A METHOD FOR ALLOCATING TEMPORARILY A SUBSCRIPTION TO A CREDENTIAL CONTAINER
GMT3851-EP-EPT	European Procedure (Patents)	THALES DIS FRANCE SA	19 févr 2019	19704646.9	30 déc 2020	3756325			19 févr 2039	METHOD FOR OPERATING A USER EQUIPMENT IN A CELLULAR NETWORK
GMT3851-US-PCT	United States Of America	THALES DIS FRANCE SA	19 févr 2019	16971819	17 déc 2020	20200396588			19 févr 2039	METHOD FOR OPERATING A USER EQUIPMENT IN A CELLULAR NETWORK
GMT3856-KR-PCT	South Korea / Republic of Korea	THALES DIS FRANCE SA	06 nov 2018	1020207012644					06 nov 2038	METHOD OF MANAGING PRIVILEGES IN A TAMPER-PROOF DEVICE COMPRISING SEVERAL SOFTWARE CONTAINERS
GMT3856-US-PCT	United States Of America	THALES DIS FRANCE SA	06 nov 2018	16765222	03 sept 2020	20200279057			06 nov 2038	METHOD OF MANAGING PRIVILEGES IN A TAMPER-PROOF DEVICE COMPRISING SEVERAL SOFTWARE CONTAINERS

GMT3867-WO-PCT	International Procedure	THALES DIS FRANCE SA	20 nov 2019	PCTEP2019081955	28 mai 2020	WO2020104537			20 nov 2039	IN-THE-FIELD PATCHING OF AN OPERATING SYSTEM USING A DIGITAL CERTIFICATE EXTENSION
GMT3869-EP-EPT	European Procedure (Patents)	THALES DIS FRANCE SA	17 juin 2019	19730786.1					17 juin 2039	METHOD FOR SECURELY SHARING DATA UNDER CERTAIN CONDITIONS ON A DISTRIBUTED LEDGER
GMT3869-US-PCT	United States Of America	THALES DIS FRANCE SA	17 juin 2019	PCTEP2019065886					17 juin 2039	METHOD FOR SECURELY SHARING DATA UNDER CERTAIN CONDITIONS ON A DISTRIBUTED LEDGER
GMT3873-EP-EPT	European Procedure (Patents)	THALES DIS FRANCE SA	30 avr 2019	19720615.4	10 mars 2021	3788808			30 avr 2039	Method for personalizing pre-generated protected profiles and corresponding system
GMT3873-JP-PCT	Japan	THALES DIS FRANCE SA	30 avr 2019	2020560936					30 avr 2039	Method for personalizing pre-generated protected profiles and corresponding system
GMT3873-KR-PCT	South Korea / Republic of Korea	THALES DIS FRANCE SA	30 avr 2019	20207033516					30 avr 2039	Method for personalizing pre-generated protected profiles and corresponding system
GMT3873-US-PCT	United States Of America	THALES DIS FRANCE SA	30 avr 2019	17/051521					30 avr 2039	Method for personalizing pre-generated protected profiles and corresponding system
GMT3874-EP-EPT	European Procedure (Patents)	THALES DIS FRANCE SA	08 août 2019	19749366.1					08 août 2039	METHOD OF MANAGING THE CONNECTIVITY OF A SECURITY ELEMENT TO A CELLULAR TELECOMMUNICATIONS NETWORK
GMT3874-US-PCT	United States Of America	THALES DIS FRANCE SA	08 août 2019	17267051					08 août 2039	METHOD OF MANAGING THE CONNECTIVITY OF A SECURITY ELEMENT TO A CELLULAR TELECOMMUNICATIONS NETWORK
GMT3875-WO-PCT	International Procedure	THALES DIS FRANCE SA	23 sept 2020	PCTEP2020076550					23 sept 2040	METHOD FOR PERFORMING MUTUALIZED CALCULATIONS OF MULTIPLE CRYPTOGRAPHIC OPERATIONS
GMT3876-CA-PCT	Canada	THALES DIS FRANCE SA	16 mai 2019	3098369					16 mai 2039	METHOD AND SYSTEM FOR IMPLEMENTING A VIRTUAL SMART CARD SERVICE
GMT3876-CN-PCT	China	THALES DIS FRANCE SA	16 mai 2019	201980034643.9					16 mai 2039	METHOD AND SYSTEM FOR IMPLEMENTING A VIRTUAL SMART CARD SERVICE
GMT3876-EP-EPT	European Procedure (Patents)	THALES DIS FRANCE SA	16 mai 2019	19723805.8					16 mai 2039	METHOD AND SYSTEM FOR IMPLEMENTING A VIRTUAL SMART CARD SERVICE
GMT3876-US-PCT	United States Of America	THALES DIS FRANCE SA	16 mai 2019	17057325					16 mai 2039	METHOD AND SYSTEM FOR IMPLEMENTING A VIRTUAL SMART CARD SERVICE
GMT3877-WO-PCT	International Procedure	THALES DIS FRANCE SA; GEMALTO AG	08 avr 2020	PCTEP2020060009	22 oct 2020	WO2020212219			08 avr 2040	SECURITY ELEMENT ON MODULE
GMT3879-CN-PCT	China	THALES DIS FRANCE SA	18 sept 2019	PCTEP2019074977					18 sept 2039	A CONNECTED DEVICE ADAPTED TO MEASURE AT LEAST A PHYSICAL QUANTITY
GMT3879-EP-EPT	European Procedure (Patents)	THALES DIS FRANCE SA								A CONNECTED DEVICE ADAPTED TO MEASURE AT LEAST A PHYSICAL QUANTITY
GMT3879-JP-PCT	Japan	THALES DIS FRANCE SA	18 sept 2019	PCTEP2019074977					18 sept 2039	A CONNECTED DEVICE ADAPTED TO MEASURE AT LEAST A PHYSICAL QUANTITY
GMT3879-US-PCT	United States Of America	THALES DIS FRANCE SA	18 sept 2019	PCTEP2019074977					18 sept 2039	A CONNECTED DEVICE ADAPTED TO MEASURE AT LEAST A PHYSICAL QUANTITY
GMT3879-WO-PCT	International Procedure	THALES DIS FRANCE SA	18 sept 2019	PCTEP2019074977	09 avr 2020	WO2020069867			18 sept 2039	A CONNECTED DEVICE ADAPTED TO MEASURE AT LEAST A PHYSICAL QUANTITY
GMT3880-CN-PCT	China	THALES DIS FRANCE SA	30 août 2019	PCTEP2019073199					30 août 2039	Procédé de fabrication d'un support à puce présentant un effet de surface
GMT3880-EP-EPT	European Procedure (Patents)	THALES DIS FRANCE SA	30 août 2019	19758996.3					30 août 2039	Procédé de fabrication d'un support à puce présentant un effet de surface

GMT3880-US-PCT	United States Of America	THALES DIS FRANCE SA	30 août 2019	17273515					30 août 2039	Procédé de fabrication d'un support à puce présentant un effet de surface
GMT3880-WO-PCT	International Procedure	THALES DIS FRANCE SA	30 août 2019	PCTEP2019073199	12 mars 2020	WO2020048885			30 août 2039	Procédé de fabrication d'un support à puce présentant un effet de surface
GMT3881-WO-PCT	International Procedure	THALES DIS FRANCE SA	21 nov 2019	PCTEP2019082139	23 avr 2020	WO2020079287			21 nov 2039	ENSURING SECURE ATTACHMENT IN SIZE CONSTRAINED AUTHENTICATION PROTOCOLS
GMT3883-EP-EPT	European Procedure (Patents)	THALES DIS FRANCE SA	02 mai 2019	19720658.4	24 mars 2021	3794480			02 mai 2039	ELECTRONIC SYSTEM AND METHOD FOR PREVENTING MALICIOUS ACTIONS ON A PROCESSING SYSTEM OF THE ELECTRONIC SYSTEM
GMT3883-US-PCT	United States Of America	THALES DIS FRANCE SA	02 mai 2019	PCTEP2019061290					02 mai 2039	ELECTRONIC SYSTEM AND METHOD FOR PREVENTING MALICIOUS ACTIONS ON A PROCESSING SYSTEM OF THE ELECTRONIC SYSTEM
GMT3891-EP-EPT	European Procedure (Patents)	THALES DIS FRANCE SA	17 sept 2019	19766272.9					17 sept 2039	METHOD TO UPGRADE A TEE TRUSTED APPLICATION TO A SERVER MODE
GMT3891-US-PCT	United States Of America	THALES DIS FRANCE SA	17 sept 2019	17278318					17 sept 2039	METHOD TO UPGRADE A TEE TRUSTED APPLICATION TO A SERVER MODE
GMT3894-WO-PCT	International Procedure	THALES DIS FRANCE SA	30 sept 2019	PCTEP2019076451	09 avr 2020	WO2020070065			30 sept 2039	
GMT3897-WO-PCT	International Procedure	THALES DIS FRANCE SA	03 déc 2019	PCTEP2019083431	25 juin 2020	WO2020126462			03 déc 2039	METHOD TO MONITOR SENSITIVE WEB EMBEDDED CODE AUTHENTICITY
GMT3899-EP-EPT	European Procedure (Patents)	THALES DIS FRANCE SA	09 août 2019	19749374.5					09 août 2039	METHOD FOR TRANSFERRING FROM A FIRST DEVICE A KEY TO A SECOND DEVICE IN A TELECOMMUNICATION NETWORK
GMT3900-WO-PCT	International Procedure	THALES DIS FRANCE SA	13 nov 2019	PCTEP2019081222	22 mai 2020	WO2020099506			13 nov 2039	A METHOD AND NETWORK SERVER FOR AUTHENTICATING A COMMUNICATION APPARATUS
GMT3902-US-NP	United States Of America	THALES DIS FRANCE SA	09 oct 2018	16155393	09 avr 2020	20200112564	17 nov 2020	10841310	05 juil 2039	METHOD FOR ACCESSING DATA OR A SERVICE FROM A FIRST USER DEVICE AND CORRESPONDING SECOND USER DEVICE, SERVER AND SYSTEM
GMT3902-WO-PCT	International Procedure	THALES DIS FRANCE SA	30 sept 2019	PCTEP2019076376	16 avr 2020	WO2020074295			30 sept 2039	
GMT3904-WO-PCT	International Procedure	THALES DIS FRANCE SA	05 déc 2019	PCTEP2019083881	11 juin 2020	WO2020115238			05 déc 2039	METHOD FOR MANUFACTURING A DEVICE INCLUDING A CARD-SHAPED BODY AND AN INFORMATION AREA
GMT3905-WO-PCT	International Procedure	THALES DIS FRANCE SA	07 nov 2019	PCTEP2019080580	22 mai 2020	WO2020099240			07 nov 2039	A METHOD FOR TRANSFERRING A MSISDN FROM A FIRST TO A SECOND SECURE ELEMENT AND CORRESPONDING COMPUTER PROGRAM
GMT3906-WO-PCT	International Procedure	THALES DIS FRANCE SA	31 janv 2020	PCTEP2020052495	03 sept 2020	WO2020173662			31 janv 2040	METHOD SECURED AGAINST SIDE-CHANNEL ATTACKS WITH A NEW MASKING SCHEME PROTECTING LINEAR OPERATIONS OF A CRYPTOGRAPHIC ALGORITHM
GMT3907-BR-PCT	Brazil	THALES DIS FRANCE SA	22 août 2019	BR1120210035486					22 août 2039	METHOD FOR UPDATING A SECRET DATA IN A CREDENTIAL CONTAINER
GMT3907-EP-EPT	European Procedure (Patents)	THALES DIS FRANCE SA	22 août 2019	19756188.9					22 août 2039	METHOD FOR UPDATING A SECRET DATA IN A CREDENTIAL CONTAINER
GMT3907-US-PCT	United States Of America	THALES DIS FRANCE SA	22 août 2019	17270605					22 août 2039	METHOD FOR UPDATING A SECRET DATA IN A CREDENTIAL CONTAINER
GMT3907-WO-PCT	International Procedure	THALES DIS FRANCE SA	22 août 2019	PCTEP2019072512	12 mars 2020	WO2020048787			22 août 2039	METHOD FOR UPDATING A SECRET DATA IN A CREDENTIAL CONTAINER
GMT3909-EP-EPT	European Procedure (Patents)	THALES DIS FRANCE SA	11 juin 2019	19730747.3					11 juin 2039	Method and system to create a trusted record or message and usage for a secure activation or strong customer authentication

GMT3909-US-PCT	United States Of America	THALES DIS FRANCE SA	11 juin 2019	17252139					11 juin 2039	Method and system to create a trusted record or message and usage for a secure activation or strong customer authentication
GMT3912-WO-PCT	International Procedure	THALES DIS FRANCE SA	19 nov 2019	PCTEP2019081855	28 mai 2020	WO2020104487			19 nov 2039	METHOD, FIRST AND SECOND DEVICE AND SYSTEM FOR CONNECTING TO AT LEAST ONE CHIP
GMT3914-WO-PCT	International Procedure	THALES DIS FRANCE SA	23 déc 2019	PCTEP2019086973	02 juil 2020	WO2020136183			23 déc 2039	BIOMETRIC ACQUISITION SYSTEM AND METHOD
GMT3920-WO-PCT	International Procedure	THALES DIS FRANCE SA	08 janv 2020	PCTEP2020050335	23 juil 2020	WO2020148135			08 janv 2040	METHOD FOR MANAGING A PACKAGE OF AN APPLICATION
GMT3923-EP-EPT	European Procedure (Patents)	THALES DIS FRANCE SA	16 juil 2019	19737786.4					16 juil 2039	ANTI CLONING FOR WHITE BOX PROTECTED DATA
GMT3923-US-PCT	United States Of America	THALES DIS FRANCE SA	16 juil 2019	PCTEP2019069097					16 juil 2039	ANTI CLONING FOR WHITE BOX PROTECTED DATA
GMT3929-WO-PCT	International Procedure	THALES DIS FRANCE SA	29 juin 2020	PCTEP2020068261	14 janv 2021	WO2021004825			29 juin 2040	METHOD, FIRST DEVICE, FIRST SERVER, SECOND SERVER AND SYSTEM FOR ACCESSING A PRIVATE KEY
GMT3932-WO-PCT	International Procedure	THALES DIS FRANCE SA	31 mars 2020	PCTEP2020059179	08 oct 2020	WO2020201313			31 mars 2040	METHOD FOR PATCHING AN OPERATING SYSTEM ON A SECURE ELEMENT TRANSPARENTLY THROUGH AN SM-SR PLATFORM
GMT3934-WO-PCT	International Procedure	THALES DIS FRANCE SA	08 nov 2019	PCTEP2019080767	22 mai 2020	WO2020099279			08 nov 2039	METHOD FOR REALIZING AN ELECTRONIC PORTABLE INLAY FOR MULTI-COMPOSANTS SUPPORT AND RESULTING INLAY
GMT3935-WO-PCT	International Procedure	THALES DIS FRANCE SA	12 déc 2019	PCTEP2019084978	18 juin 2020	WO2020120708			12 déc 2039	METHOD FOR AUTHENTICATING A SYSTEM
GMT3936-WO-PCT	International Procedure	THALES DIS FRANCE SA	16 déc 2019	PCTEP2019085439	25 juin 2020	WO2020127112			16 déc 2039	ASSISTED AUTONOMOUS ENROLLMENT METHOD AND SYSTEM FOR BIOMETRIC DEVICE HOLDER
GMT3939-WO-PCT	International Procedure	THALES DIS FRANCE SA; THALES DIS AIS DEUTSCHLAND GmbH	13 nov 2019	PCTEP2019081205	22 mai 2020	2020099500			13 nov 2039	A METHOD FOR SHARING A SECURITY CONTEXT WITH A PLURALITY OF CONNECTED DEVICES BELONGING TO A GROUP
GMT3941-WO-PCT	International Procedure	SAFENET CANADA INC.; THALES DIS FRANCE SA	13 nov 2019	PCTEP2019081114	26 juin 2020	WO2020126235			13 nov 2039	METHOD FOR GENERATING STATEFUL HASH BASED SIGNATURES OF MESSAGES TO BE SIGNED
GMT3947-WO-PCT	International Procedure	THALES DIS FRANCE SA	05 déc 2019	PCTEP2019083837	11 juin 2020	WO2020115218			05 déc 2039	AN ELECTRONIC DEVICE COMPRISING A MACHINE LEARNING SUBSYSTEM FOR AUTHENTICATING A USER
GMT3948-WO-PCT	International Procedure	THALES DIS FRANCE SA	18 déc 2019	PCTEP2019085922	25 juin 2020	WO2020127464			18 déc 2039	AN ELECTRONIC IDENTITY DOCUMENT COMPRISING A NON-REMOVABLE SECURE ENCLAVE IMPLEMENTING AN INFERENCE ENGINE AND A MACHINE LEARNING MODEL
GMT3954-EP-EPT	European Procedure (Patents)	THALES DIS FRANCE SA	22 août 2019	19756189.7					22 août 2039	METHOD FOR BUILDING A PREDEFINED SECRET VALUE
GMT3954-US-PCT	United States Of America	THALES DIS FRANCE SA	22 août 2019	PCTEP2019072520					22 août 2039	METHOD FOR BUILDING A PREDEFINED SECRET VALUE
GMT3954-WO-PCT	International Procedure	THALES DIS FRANCE SA	22 août 2019	PCTEP2019072520	02 avr 2020	WO2020064234			22 août 2039	METHOD FOR BUILDING A PREDEFINED SECRET VALUE
GMT3955-WO-PCT	International Procedure	THALES DIS FRANCE SA	04 déc 2020	PCTEP2020084639					04 déc 2040	LASER ENGRAVABLE FLOATING IMAGE FOR SECURITY LAMINATES
GMT3956-WO-PCT	International Procedure	THALES DIS FRANCE SA	10 déc 2019	PCTEP2019084506	25 juin 2020	WO2020126702			10 déc 2039	METHOD FOR ESTABLISHING A BIDIRECTIONAL NAS SIGNALIZATION CHANNEL BETWEEN A SECURE ELEMENT COOPERATING WITH A TERMINAL AND A DISTANT PLATFORM
GMT3965-WO-PCT	International Procedure	THALES DIS FRANCE SA	23 déc 2019	PCTEP2019086903	02 juil 2020	WO2020136159			23 déc 2039	BIOMETRIC SENSOR AND PROCESSOR PAIRING

GMT3966-WO-PCT	International Procedure	THALES DIS FRANCE SA	14 nov 2019	PCTEP2019081302	11 juin 2020	WO2020114747			14 nov 2039	METHOD FOR MANUFACTURING A SMART CARD WITH INTERCONNECTION OF MODULES
GMT3967-WO-PCT	International Procedure	THALES DIS FRANCE SA	15 nov 2019	PCTEP2019081537	11 juin 2020	WO2020114753			15 nov 2039	METHOD FOR MANUFACTURING A SMART CARD METALLIC OR NOT WITH RELAY ANTENNA
GMT3970-WO-PCT	International Procedure	THALES DIS FRANCE SA	02 janv 2020	PCTEP2020050038	09 juil 2020	WO2020141198			02 janv 2040	A METHOD FOR CONNECTING A SECURE ELEMENT TO A NETWORK OF A MOBILE NETWORK OPERATOR AND CORRESPONDING SECURE ELEMENT
GMT3972-WO-PCT	International Procedure	THALES DIS FRANCE SA	12 mars 2020	PCTEP2020056680	17 sept 2020	WO2020182950			12 mars 2040	A METHOD FOR RECOVERING A PROFILE OF A MNO
GMT3976-WO-PCT	International Procedure	THALES DIS FRANCE SA	20 déc 2019	PCTEP2019086855	25 juin 2020	WO2020128076			20 déc 2039	METHOD TO AUTHENTICATE AN END-USER USING BRAIN WAVES
GMT3977-WO-PCT	International Procedure	THALES DIS FRANCE SA	02 janv 2020	PCTEP2020050041	16 juil 2020	WO2020144101			02 janv 2040	METHOD FOR DETECTING THAT A SECURE ELEMENT HAS BEEN TEMPORARILY DISCONNECTED FROM A DEVICE AND CORRESPONDING DEVICE
GMT3981-WO-PCT	International Procedure	THALES DIS FRANCE SA	15 nov 2019	PCTEP2019081544	28 mai 2020	WO2020104336			15 nov 2039	A METHOD AND APPARATUSES FOR AUTHENTICATING A GROUP OF WIRELESS COMMUNICATION DEVICES
GMT3982-WO-PCT	International Procedure	THALES DIS FRANCE SA	12 mars 2020	PCTEP2020056692	17 sept 2020	WO2020182956			12 mars 2040	METHOD FOR PROVISIONING WHITE-BOX ASSETS AND CORRESPONDING DEVICE, SERVER AND SYSTEM
GMT3984-WO-PCT	International Procedure	THALES DIS FRANCE SA	10 sept 2020	PCTEP2020075380					10 sept 2040	METHOD FOR MANAGING A MULTI-APPLICATION CONTACTLESS DEVICE
GMT3985-WO-PCT	International Procedure	THALES DIS FRANCE SA	02 avr 2020	PCTEP2020059467	08 oct 2020	WO2020201463			02 avr 2040	AUTOMATIC DETECTION OF FIELDS IN OFFICIAL DOCUMENTS HAVING A STABLE PATTERN
GMT3986-WO-PCT	International Procedure	THALES DIS FRANCE SA	01 févr 2021	PCTEP2021052307					01 févr 2041	METHOD AND SERVER FOR PUSHING DATA TO MNO
GMT3989-WO-PCT	International Procedure	THALES DIS FRANCE SA	12 mai 2020	PCTEP2020063134	26 nov 2020	WO2020234037			12 mai 2040	METHOD FOR UPGRADING A PROFILE STORED IN A SECURE ELEMENT
GMT4007-WO-PCT	International Procedure	THALES DIS FRANCE SA	06 déc 2019	PCTEP2019084087	25 juin 2020	WO2020126572			06 déc 2039	METHOD FOR MANUFACTURING A METALLIC CHIP CARD, PREFERABLY WITH RELAY ANTENNA
GMT4008-WO-PCT	International Procedure	THALES DIS FRANCE SA	08 sept 2020	PCTEP2020075113	18 mars 2021	WO2021048148			08 sept 2040	MANUFACTURING METHOD OF A METAL SMART CARD WITH MINI BOOSTER ANTENNA
GMT4009-WO-PCT	International Procedure	THALES DIS FRANCE SA	12 mai 2020	PCTEP2020063149	24 déc 2020	WO2020254039			12 mai 2040	METHOD FOR UPDATING A TERMINAL COMPRISING A SECURE ELEMENT
GMT4010-WO-PCT	International Procedure	THALES DIS FRANCE SA	16 déc 2019	PCTEP2019085436	25 juin 2020	WO2020127109			16 déc 2039	METHOD FOR MANUFACTURING A METALLIC RADIOFREQUENCY SMART CARD WITH IMPROVED PERMITTIVITY THROUGH EXTENDED PERFORATIONS
GMT4015-EP-EPA	European Procedure (Patents)	THALES DIS FRANCE SA	21 déc 2018	NE PAS ABD18306803.0	24 juin 2020	3671561			21 déc 2038	METHOD FOR MANUFACTURING A METALLIC RADIOFREQUENCY SMART CARD WITH IMPROVED ELECTROMAGNETIC PERMITTIVITY
GMT4015-WO-PCT	International Procedure	THALES DIS FRANCE SA	06 déc 2019	PCTEP2019084085	25 juin 2020	WO2020126571			06 déc 2039	METHOD FOR MANUFACTURING A METALLIC RADIOFREQUENCY SMART CARD WITH IMPROVED ELECTROMAGNETIC PERMITTIVITY
GMT4017-WO-PCT	International Procedure	THALES DIS FRANCE SA	18 juin 2020	PCTEP2020067021	30 déc 2020	2020260136			18 juin 2040	METHOD AND SYSTEM FOR GENERATING ENCRYPTION KEYS FOR TRANSACTION OR CONNECTION DATA
GMT4018-WO-PCT	International Procedure	THALES DIS FRANCE SA	06 déc 2019	PCTEP2019084089	25 juin 2020	WO2020126573			06 déc 2039	METHOD FOR MANUFACTURING A RADIO FREQUENCY SMART CARD INLAY COMPRISING A METALLIC PLATE
GMT4021-WO-PCT	International Procedure	THALES DIS FRANCE SA	24 févr 2020	PCTEP2020054776	17 sept 2020	WO2020182455			24 févr 2040	METHOD FOR GENERATING A DIGITAL SIGNATURE OF AN INPUT MESSAGE

GMT4022-WO-PCT	International Procedure	THALES DIS FRANCE SA	08 avr. 2020	PCTEP2020060049	22 oct. 2020	WO2020212230			08 avr. 2040	SECURITY DOCUMENT WITH DOUBLE VERIFICATION LENSES
GMT4025-WO-PCT	International Procedure	THALES DIS FRANCE SA; THALES DIS CANADA INC.; THALES DIS CPL USA, Inc.	07 oct. 2019	PCTEP2019077074	16 avr. 2020	WO2020074438			07 oct. 2039	METHOD FOR MANAGING DATA OF DIGITAL DOCUMENTS
GMT4029-WO-PCT	International Procedure	THALES DIS FRANCE SA	29 juin 2020	PCTEP2020068297	07 janv. 2021	WO2021001323			29 juin 2040	METHOD TO GENERATE A SLAP/FINGERS FOREGROUND MASK
GMT4030-WO-PCT	International Procedure	THALES DIS FRANCE SA	29 juin 2020	PCTEP2020068289	07 janv. 2021	WO2021001322			29 juin 2040	SLAP SEGMENTATION OF CONTACTLESS FINGERPRINT IMAGES
GMT4032-WO-PCT	International Procedure	THALES DIS FRANCE SA	10 juin 2020	PCTEP2020066109	30 déc. 2020	2020260024			10 juin 2040	METHOD AND SYSTEM FOR MANAGING PERIPHERAL IN RADIOFREQUENCY CONTROLLER SYSTEM
GMT4036-US-NP	United States Of America	THALES DIS FRANCE SA	17 mai 2019	16415498	19 nov. 2020	20200364328			17 mai 2039	METHOD AND DEVICE FOR PROVIDING A USER AUTHENTICATION CREDENTIAL
GMT4037-WO-PCT	International Procedure	THALES DIS FRANCE SA	10 nov. 2020	PCTEP2020081566					10 nov. 2040	METHOD FOR AUTHENTICATING A SECURE ELEMENT AT THE LEVEL OF AN AUTHENTICATION SERVER, CORRESPONDING SECURE ELEMENT AND AUTHENTICATION SERVER
GMT4039-EP-EPA	European Procedure (Patents)	THALES DIS FRANCE SA	05 nov. 2019	19306431.8					05 nov. 2039	Communication method and system between a smart card reader and an external device
GMT4039-WO-PCT	International Procedure	THALES DIS FRANCE SA	29 oct. 2020	PCTEP2020080368					29 oct. 2040	Procédé et système de communication entre un lecteur de carte à puce et un dispositif externe
GMT4040-WO-PCT	International Procedure	THALES DIS FRANCE SA	04 déc. 2020	PCTEP2020084622					04 déc. 2040	METHOD FOR SECURING A SECURITY DOCUMENT AND SECURITY DOCUMENT OBTAINED WITH THIS METHOD
GMT4047-WO-PCT	International Procedure	THALES DIS FRANCE SA	10 juin 2020	PCTEP2020066104	30 déc. 2020	2020260023			10 juin 2040	METHOD AND SYSTEM TO VALIDATE A PERSON ENROLMENT ON A BIOMETRIC DEVICE
GMT4055-WO-PCT	International Procedure	THALES DIS FRANCE SA	16 janv. 2020	PCTEP2020051045	23 juil. 2020	WO2020148397			16 janv. 2040	A METHOD FOR AUTHENTICATING A SECURE ELEMENT COOPERATING WITH A MOBILE EQUIPMENT WITHIN A TERMINAL IN A TELECOMMUNICATION NETWORK
GMT4063-WO-PCT	International Procedure	THALES DIS FRANCE SA	10 sept. 2020	PCTEP2020075280					10 sept. 2040	VIRTUAL PRIMARY PLATFORM (VPP) IMPLEMENTED ON A SECURE ELEMENT AND AN EXTERNAL ENVIRONMENT
GMT4064-WO-PCT	International Procedure	THALES DIS FRANCE SA	02 déc. 2020	PCTEP2020084227					02 déc. 2040	METHOD FOR SECURING A SECURITY DOCUMENT AND SECURITY DOCUMENT OBTAINED WITH THIS METHOD
GMT4066-US-NP	United States Of America	THALES DIS FRANCE SA	12 déc. 2019	16712157					12 déc. 2039	COVERT FLOATING IMAGE
GMT4066-WO-PCT	International Procedure	THALES DIS FRANCE SA	11 déc. 2020	PCTEP2020085824					11 déc. 2040	COVERT FLOATING IMAGE
GMT4067-WO-PCT	International Procedure	THALES DIS FRANCE SA	07 avr. 2020	PCTEP2020059920	22 oct. 2020	WO2020212207			07 avr. 2040	METHOD TO AUTHENTICATE A USER AT A SERVICE PROVIDER
GMT4074-WO-PCT	International Procedure	THALES DIS FRANCE SA	17 mars 2020	PCTEP2020057171	24 sept. 2020	WO2020187866			17 mars 2040	A SYSTEM FOR CONNECTING A TELECOMMUNICATION TERMINAL TO A NATIONAL NETWORK AND CORRESPONDING SECURE ELEMENT AND TERMINAL
GMT4079-WO-PCT	International Procedure	THALES DIS FRANCE SA	10 juin 2020	PCTEP2020066130	17 déc. 2020	WO2020249635			10 juin 2040	METHODS AND SYSTEMS FOR SUBSCRIBER IDENTIFIER SUBMISSION OVER 5G NETWORKS
GMT4081-WO-PCT	International Procedure	THALES DIS FRANCE SA	17 août 2020	PCTEP2020073002	25 févr. 2021	WO2021032682			17 août 2040	A METHOD FOR RESETTING A PERSONAL CODE OF A USER OF A TELECOMMUNICATION TERMINAL AND CORRESPONDING APPLET AND SERVER

GMT4083-WO-PCT	International Procedure	THALES DIS FRANCE SA	11 déc 2020	PCTEP2020085842					11 déc 2040	PERSONALIZABLE LUMINESCENT SECURITY ELEMENT
GMT4094-WO-PCT	International Procedure	THALES DIS FRANCE SA	23 juin 2020	PCTEP2020067555	30 déc 2020	2020260316			23 juin 2040	RADIO FREQUENCY COMMUNICATION METHOD BETWEEN A READER AND A DEVICE CONNECTED TO A PERIPHERAL, WITH RADIO FREQUENCY FIELD MEASUREMENT
GMT4097-EP-EPA	European Procedure (Patents)	THALES DIS FRANCE SA	26 mars 2021	21305380.4					26 mars 2041	PERSONALIZABLE MULTI-COLOUR SECURITY FEATURES
GMT4103-WO-PCT	International Procedure	THALES DIS FRANCE SA	16 oct 2020	PCT/EP2020/079197					16 oct 2040	National steering method and corresponding application
GMT4105-WO-PCT	International Procedure	THALES DIS FRANCE SA	07 avr 2020	PCTEP2020059848	26 nov 2020	WO2020233888			07 avr 2040	METHOD AND SYSTEM TO OPTIMIZE POWER CONSUMPTION OF IOT DEVICES FOR USIM REMOTE MANAGEMENT
GMT4110-WO-PCT	International Procedure	THALES DIS FRANCE SA	25 sept 2020	PCTEP2020076906					25 sept 2040	SECURITY MECHANISM FOR NAMESPACES USED IN ELECTRONIC IDENTIFICATION ON MOBILE DEVICES
GMT4121-WO-PCT	International Procedure	THALES DIS FRANCE SA	07 avr 2020	PCTEP2020059935	26 nov 2020	WO2020233892			07 avr 2040	METHOD FOR SECURING AGAINST FAULT ATTACKS A VERIFICATION ALGORITHM OF A DIGITAL SIGNATURE OF A MESSAGE
GMT4125-EP-EPA	European Procedure (Patents)	THALES DIS FRANCE SA	18 déc 2019	19306680.0NE-PAS-ABD					18 déc 2039	ELECTRONIC SYSTEM AND METHODS FOR A DYNAMIC ACTIVATION OF COUNTERMEASURES
GMT4125-WO-PCT	International Procedure	THALES DIS FRANCE SA	18 déc 2020	PCTFR2020052559					18 déc 2040	ELECTRONIC SYSTEM AND METHODS FOR A DYNAMIC ACTIVATION OF COUNTERMEASURES
GMT4129-WO-PCT	International Procedure	THALES DIS FRANCE SA	08 sept 2020	PCTEP2020075110	18 mars 2021	WO2021048147			08 sept 2040	METHOD FOR DETERMINING A MATCH BETWEEN A CANDIDATE FINGERPRINT AND A REFERENCE FINGERPRINT
GMT4133-WO-PCT	International Procedure	THALES DIS FRANCE SA	12 nov 2020	PCTEP2020081833					12 nov 2040	PROCEDE ET SYSTEME POUR LE PROVISIONNEMENT OU REMPLACEMENT SECURISE D'UN SECRET DANS AU MOINS UN DISPOSITIF DE COMMUNICATION PORTABLE
GMT4136-WO-PCT	International Procedure	THALES DIS FRANCE SA	17 août 2020	PCTEP2020073009	25 févr 2021	WO2021032685			17 août 2040	TEST MODE FOR SIM MODULE WITH AUTOMATIC TEST ENVIRONMENT DETECTION
GMT4141-EP-EPA	European Procedure (Patents)	THALES DIS FRANCE SA	03 avr 2020	20315105.5					03 avr 2040	RENEWING OF DIGITAL IDENTITY DOCUMENTS
GMT4144-WO-PCT	International Procedure	THALES DIS FRANCE SA	09 sept 2020	PCTEP2020075154	18 mars 2021	WO2021048174			09 sept 2040	METHOD FOR DETERMINING A MATCH BETWEEN A CANDIDATE FINGERPRINT AND A REFERENCE FINGERPRINT
GMT4145-WO-PCT	International Procedure	THALES DIS FRANCE SA; THALES DIS AIS DEUTSCHLAND GmbH	26 oct 2020	PCTEP2020080068					26 oct 2040	CHIP AND METHOD FOR MAINTAINING A CONNECTION TO AT LEAST ONE NETWORK
GMT4148-EP-EPA	European Procedure (Patents)	THALES DIS FRANCE SA	09 juil 2020	20315347.3					09 juil 2040	METHOD, USER DEVICE, VERIFIER DEVICE, SERVER AND SYSTEM FOR AUTHENTICATING USER DATA WHILE PRESERVING USER PRIVACY
GMT4152-WO-PCT	International Procedure	THALES DIS FRANCE SA	23 déc 2020	PCTEP2020087801					23 déc 2040	A METHOD TO AUTOMATICALLY SWITCH A SUBSCRIPTION BETWEEN TELECOMMUNICATION NETWORKS
GMT4155-WO-PCT	International Procedure	THALES DIS FRANCE SA; THALES DIS DESIGN SERVICES SAS	17 déc 2020	PCTEP2020086662					17 déc 2040	METHOD FOR SECURE EXECUTING OF A SECURITY-RELATED PROCESS
GMT4160-EP-EPA	European Procedure (Patents)	THALES DIS FRANCE SA	02 juin 2020	20315293.9					02 juin 2040	STACK PROTECTION

GMT4169-EP-EPA	European Procedure (Patents)	THALES DIS FRANCE SA	21 déc 2020	20306639.4					21 déc 2040	
GMT4183-WO-PCT	International Procedure	THALES DIS FRANCE SA	28 sept 2020	PCTEP2020077039					28 sept 2040	METHOD FOR CONTROLLING VALIDITY OF AN ATTRIBUTE
GMT4184-EP-EPA	European Procedure (Patents)	THALES DIS FRANCE SA	02 déc 2019	19306547.1					02 déc 2039	PROCEDE DE FABRICATION D'UNE CARTE A PUCE RADIOFREQUENCE COMPRENANT UNE PLAQUE EN METAL AVEC UNE FENTE OU UN JEU DANS LA PLAQUE
GMT4185-US-NP	United States Of America	THALES DIS FRANCE SA	29 déc 2019	16729418					29 déc 2039	VIRTUAL SECURITY ELEMENT
GMT4185-WO-PCT	International Procedure	THALES DIS FRANCE SA	21 déc 2020	PCTEP2020087409					21 déc 2040	VIRTUAL SECURITY ELEMENT
GMT4188-WO-PCT	International Procedure	THALES DIS FRANCE SA	19 nov 2020	PCTEP2020082609					19 nov 2040	METHOD FOR AUTHENTICATING A USER ON A NETWORK SLICE
GMT4194-EP-EPA	European Procedure (Patents)	THALES DIS FRANCE SA	18 juin 2020	20315306.9					18 juin 2040	METHOD OF BUILDING A PHYSICAL UNCLONABLE FUNCTION
GMT4196-WO-PCT	International Procedure	THALES DIS FRANCE SA	28 juil 2020	PCTEP2020071229	25 fevr 2021	WO2021032414			28 juil 2040	MULTILAYER STRUCTURE MANUFACTURING METHOD FOR BONDING LAYERS WITH ADHESIVE FILM(S)
GMT4204-WO-PCT	International Procedure	THALES DIS FRANCE SA	03 nov 2020	PCTEP2020080796					03 nov 2040	A METHOD TO ENABLE A MULTI-IMSI SOLUTION WITHIN 5G NETWORKS
ISS0002-DE-EPT	Germany	THALES DIS FRANCE SA	03 juin 2011	11730721.5	08 déc 2011	2583173	05 août 2020	2583173	03 juin 2031	METHODE DE COMPRESSION ET DE DECOMPRESSION D'UN PROGRAMME EXECUTABLE OU INTERPRETABLE
ISS0002-EP-EPT	European Procedure (Patents)	THALES DIS FRANCE SA	03 juin 2011	11730721.5	08 déc 2011	2583173	05 août 2020	2583173	03 juin 2031	METHODE DE COMPRESSION ET DE DECOMPRESSION D'UN PROGRAMME EXECUTABLE OU INTERPRETABLE
ISS0002-ES-EPT	Spain	THALES DIS FRANCE SA	03 juin 2011	11730721.5	08 déc 2011	2583173	05 août 2020	2583173	03 juin 2031	METHODE DE COMPRESSION ET DE DECOMPRESSION D'UN PROGRAMME EXECUTABLE OU INTERPRETABLE
ISS0002-FR-EPT	France	THALES DIS FRANCE SA	03 juin 2011	11730721.5	08 déc 2011	2583173	05 août 2020	2583173	03 juin 2031	METHODE DE COMPRESSION ET DE DECOMPRESSION D'UN PROGRAMME EXECUTABLE OU INTERPRETABLE
ISS0002-FR-NP	France	THALES DIS FRANCE SA	03 juin 2010	1002361	09 déc 2011	2960988	15 mars 2013	2960988	03 juin 2030	METHODE DE COMPRESSION ET DE DECOMPRESSION D'UN PROGRAMME EXECUTABLE OU INTERPRETABLE
ISS0002-GB-EPT	United Kingdom	THALES DIS FRANCE SA	03 juin 2011	11730721.5	08 déc 2011	2583173	05 août 2020	2583173	03 juin 2031	METHODE DE COMPRESSION ET DE DECOMPRESSION D'UN PROGRAMME EXECUTABLE OU INTERPRETABLE
ISS0002-IT-EPT	Italy	THALES DIS FRANCE SA	03 juin 2011	11730721.5	08 déc 2011	2583173	05 août 2020	502020000104074	03 juin 2031	METHODE DE COMPRESSION ET DE DECOMPRESSION D'UN PROGRAMME EXECUTABLE OU INTERPRETABLE

ISS0002-US-PCT	United States Of America	THALES DIS FRANCE SA	03 juin 2011	13701765	23 mai 2013	20130132710	09 févr 2016	9256432	22 mars 2032	METHODE DE COMPRESSION ET DE DECOMPRESSION D'UN PROGRAMME EXECUTABLE OU INTERPRETABLE
MMM0001-US-CNT[2]	United States Of America	THALES DIS FRANCE SA	01 mars 2006	11276475	29 juin 2006	20060139622	26 oct 2010	7821621		SECURITY READER FOR AUTOMATIC DETECTION OF TAMPERING AND ALTERATION
MMM0004-US-NP	United States Of America	THALES DIS FRANCE SA	28 sept 2004	10953200	30 mars 2006	20060065714	22 sept 2009	7591415	11 juin 2026	PASSPORT READER FOR PROCESSING A PASSPORT HAVING AN RFID ELEMENT
MMM0005-CA-PCT	Canada	THALES DIS FRANCE SA	27 oct 2005	2589350			15 avr 2014	2589350	27 oct 2025	SYSTEM FOR READING AND AUTHENTICATING A COMPOSITE IMAGE IN A SHEETING
MMM0005-DE-EPT	Germany	THALES DIS FRANCE SA	27 oct 2005	05813155.8	26 sept 2007	1836688	27 août 2008	602005009403.2	27 oct 2025	SYSTEM FOR READING AND AUTHENTICATING A COMPOSITE IMAGE IN A SHEETING
MMM0005-HU-EPT	Hungary	THALES DIS FRANCE SA	27 oct 2005	05813155.8	26 sept 2007	1836688	27 août 2008	1836688	27 oct 2025	SYSTEM FOR READING AND AUTHENTICATING A COMPOSITE IMAGE IN A SHEETING
MMM0005-KR-PCT	South Korea / Republic of Korea	THALES DIS FRANCE SA	27 oct 2005	1020077014878	27 août 2007	1020070086792	18 sept 2012	101185665	27 oct 2025	SYSTEM FOR READING AND AUTHENTICATING A COMPOSITE IMAGE IN A SHEETING
MMM0005-US-DIV	United States Of America	THALES DIS FRANCE SA	20 août 2009	12544932	17 déc 2009	20090310824	06 déc 2011	8072626	11 juin 2025	SYSTEM FOR READING AND AUTHENTICATING A COMPOSITE IMAGE IN A SHEETING
MMM0005-US-NP	United States Of America	THALES DIS FRANCE SA	02 déc 2004	11002943	08 juin 2006	20060119876	10 nov 2009	7616332	14 août 2028	SYSTEM FOR READING AND AUTHENTICATING A COMPOSITE IMAGE IN A SHEETING
MMM0006-DE-EPT	Germany	THALES DIS FRANCE SA	03 juil 2007	07812571.3	03 juin 2009	2064865	20 avr 2016	2064865	03 juil 2027	DOCUMENT AUTHENTICATION USING TEMPLATE MATCHING WITH FAST MASKED NORMALIZED CROSS-CORRELATION
MMM0006-FR-EPT	France	THALES DIS FRANCE SA	03 juil 2007	07812571.3	03 juin 2009	2064865	20 avr 2016	2064865	03 juil 2027	DOCUMENT AUTHENTICATION USING TEMPLATE MATCHING WITH FAST MASKED NORMALIZED CROSS-CORRELATION
MMM0006-HU-EPT	Hungary	THALES DIS FRANCE SA	03 juil 2007	07812571.3	03 juin 2009	2064865	20 avr 2016	2064865	03 juil 2027	DOCUMENT AUTHENTICATION USING TEMPLATE MATCHING WITH FAST MASKED NORMALIZED CROSS-CORRELATION
MMM0006-KR-PCT	South Korea / Republic of Korea	THALES DIS FRANCE SA	03 juil 2007	1020097001627			17 avr 2014	101388824	03 juil 2027	DOCUMENT AUTHENTICATION USING TEMPLATE MATCHING WITH FAST MASKED NORMALIZED CROSS-CORRELATION
MMM0006-MX-PCT	Mexico	THALES DIS FRANCE SA	03 juil 2007	2009000840			28 oct 2011	291447	03 juil 2027	DOCUMENT AUTHENTICATION USING TEMPLATE MATCHING WITH FAST MASKED NORMALIZED CROSS-CORRELATION
MMM0006-NZ-PCT	New Zealand	THALES DIS FRANCE SA	03 juil 2007	574314			07 nov 2011	574314	03 juil 2027	DOCUMENT AUTHENTICATION USING TEMPLATE MATCHING WITH FAST MASKED NORMALIZED CROSS-CORRELATION
MMM0006-US-DIV	United States Of America	THALES DIS FRANCE SA	21 déc 2011	13332451	03 mai 2012	20120106851	16 juil 2013	8485559	24 juil 2026	DOCUMENT AUTHENTICATION USING TEMPLATE MATCHING WITH FAST MASKED NORMALIZED CROSS-CORRELATION
MMM0006-US-NP	United States Of America	THALES DIS FRANCE SA	24 juil 2006	11491869	07 févr 2008	20080031542	17 janv 2012	8096584	08 nov 2029	DOCUMENT AUTHENTICATION USING TEMPLATE MATCHING WITH FAST MASKED NORMALIZED CROSS-CORRELATION
MMM0007-KR-PCT	South Korea / Republic of Korea	THALES DIS FRANCE SA	12 nov 2008	1020107015201			20 avr 2015	101515256	12 nov 2028	DOCUMENT VERIFICATION USING DYNAMIC DOCUMENT IDENTIFICATION FRAMEWORK
MMM0007-MX-PCT	Mexico	THALES DIS FRANCE SA	12 nov 2008	MXa2010006496			03 avr 2014	318997	12 nov 2028	DOCUMENT VERIFICATION USING DYNAMIC DOCUMENT IDENTIFICATION FRAMEWORK
MMM0007-US-NP	United States Of America	THALES DIS FRANCE SA	12 déc 2007	11955136	18 juin 2009	20090152357	24 sept 2013	8540158	28 juin 2029	DOCUMENT VERIFICATION USING DYNAMIC DOCUMENT IDENTIFICATION FRAMEWORK

MMM0008-CA-PCT	Canada	THALES DIS FRANCE SA	12 nov 2008	2708768			05 janv 2016	2708768	12 nov 2028	IDENTIFICATION AND VERIFICATION OF AN UNKNOWN DOCUMENT ACCORDING TO AN EIGEN IMAGE PROCESS
MMM0008-DE-EPT	Germany	THALES DIS FRANCE SA	12 nov 2008	08859748.9	20 oct 2010	2240878	28 oct 2020	602008063414.0	12 nov 2028	IDENTIFICATION AND VERIFICATION OF AN UNKNOWN DOCUMENT ACCORDING TO AN EIGEN IMAGE PROCESS
MMM0008-EP-EPT	European Procedure (Patents)	THALES DIS FRANCE SA	12 nov 2008	08859748.9	20 oct 2010	2240878	28 oct 2020	2240878	12 nov 2028	IDENTIFICATION AND VERIFICATION OF AN UNKNOWN DOCUMENT ACCORDING TO AN EIGEN IMAGE PROCESS
MMM0008-FR-EPT	France	THALES DIS FRANCE SA	12 nov 2008	08859748.9	20 oct 2010	2240878	28 oct 2020	2240878	12 nov 2028	IDENTIFICATION AND VERIFICATION OF AN UNKNOWN DOCUMENT ACCORDING TO AN EIGEN IMAGE PROCESS
MMM0008-GB-EPT	United Kingdom	THALES DIS FRANCE SA	12 nov 2008	08859748.9	20 oct 2010	2240878	28 oct 2020	2240878	12 nov 2028	IDENTIFICATION AND VERIFICATION OF AN UNKNOWN DOCUMENT ACCORDING TO AN EIGEN IMAGE PROCESS
MMM0008-KR-PCT	South Korea / Republic of Korea	THALES DIS FRANCE SA	12 nov 2008	20107015198			24 sept 2014	101446376	12 nov 2028	IDENTIFICATION AND VERIFICATION OF AN UNKNOWN DOCUMENT ACCORDING TO AN EIGEN IMAGE PROCESS
MMM0008-MX-PCT	Mexico	THALES DIS FRANCE SA	12 nov 2008	2010006502			19 juil 2012	301490	12 nov 2028	IDENTIFICATION AND VERIFICATION OF AN UNKNOWN DOCUMENT ACCORDING TO AN EIGEN IMAGE PROCESS
MMM0008-US-NP	United States Of America	THALES DIS FRANCE SA	12 déc 2007	11955163	18 juin 2009	20090154778	05 juin 2012	8194933	02 mars 2031	IDENTIFICATION AND VERIFICATION OF AN UNKNOWN DOCUMENT ACCORDING TO AN EIGEN IMAGE PROCESS
MMM0010-DE-EPT	Germany	THALES DIS FRANCE SA	11 mars 2014	14768496.3	20 janv 2016	2969583	02 déc 2020	602014072948.7	11 mars 2034	FLEXIBLE HINGE MATERIAL COMPRISING CROSS-LINKED POLYURETHANE MATERIAL
MMM0010-EP-EPT	European Procedure (Patents)	THALES DIS FRANCE SA	11 mars 2014	14768496.3	20 janv 2016	2969583	02 déc 2020	2969583	11 mars 2034	FLEXIBLE HINGE MATERIAL COMPRISING CROSS-LINKED POLYURETHANE MATERIAL
MMM0010-ES-EPT	Spain	THALES DIS FRANCE SA	11 mars 2014	14768496.3	20 janv 2016	2969583	02 déc 2020	2969583	11 mars 2034	FLEXIBLE HINGE MATERIAL COMPRISING CROSS-LINKED POLYURETHANE MATERIAL
MMM0010-FR-EPT	France	THALES DIS FRANCE SA	11 mars 2014	14768496.3	20 janv 2016	2969583	02 déc 2020	2969583	11 mars 2034	FLEXIBLE HINGE MATERIAL COMPRISING CROSS-LINKED POLYURETHANE MATERIAL
MMM0010-GB-EPT	United Kingdom	THALES DIS FRANCE SA	11 mars 2014	14768496.3	20 janv 2016	2969583	02 déc 2020	2969583	11 mars 2034	FLEXIBLE HINGE MATERIAL COMPRISING CROSS-LINKED POLYURETHANE MATERIAL
MMM0010-GR-EPT	Greece	THALES DIS FRANCE SA	11 mars 2014	14768496.3	20 janv 2016	2969583	02 déc 2020	2969583	11 mars 2034	FLEXIBLE HINGE MATERIAL COMPRISING CROSS-LINKED POLYURETHANE MATERIAL
MMM0010-IE-EPT	Ireland	THALES DIS FRANCE SA	11 mars 2014	14768496.3	20 janv 2016	2969583	02 déc 2020	2969583	11 mars 2034	FLEXIBLE HINGE MATERIAL COMPRISING CROSS-LINKED POLYURETHANE MATERIAL
MMM0010-IT-EPT	Italy	THALES DIS FRANCE SA	11 mars 2014	14768496.3	20 janv 2016	2969583	02 déc 2020	502021000017528	11 mars 2034	FLEXIBLE HINGE MATERIAL COMPRISING CROSS-LINKED POLYURETHANE MATERIAL
MMM0010-MT-EPT	Malta	THALES DIS FRANCE SA	11 mars 2014	14768496.3	20 janv 2016	2969583	02 déc 2020	2969583	11 mars 2034	FLEXIBLE HINGE MATERIAL COMPRISING CROSS-LINKED POLYURETHANE MATERIAL
MMM0010-NL-EPT	Netherlands	THALES DIS FRANCE SA	11 mars 2014	14768496.3	20 janv 2016	2969583	02 déc 2020	2969583	11 mars 2034	FLEXIBLE HINGE MATERIAL COMPRISING CROSS-LINKED POLYURETHANE MATERIAL
MMM0010-PL-EPT	Poland	THALES DIS FRANCE SA	11 mars 2014	14768496.3	20 janv 2016	2969583	02 déc 2020	2969583	11 mars 2034	FLEXIBLE HINGE MATERIAL COMPRISING CROSS-LINKED POLYURETHANE MATERIAL
MMM0010-SE-EPT	Sweden	THALES DIS FRANCE SA	11 mars 2014	14768496.3	20 janv 2016	2969583	02 déc 2020	2969583	11 mars 2034	FLEXIBLE HINGE MATERIAL COMPRISING CROSS-LINKED POLYURETHANE MATERIAL
MMM0010-SI-EPT	Slovenia	THALES DIS FRANCE SA	11 mars 2014	14768496.3	20 janv 2016	2969583	02 déc 2020	2969583	11 mars 2034	FLEXIBLE HINGE MATERIAL COMPRISING CROSS-LINKED POLYURETHANE MATERIAL
MMM0010-SK-EPT	Slovakia	THALES DIS FRANCE SA	11 mars 2014	14768496.3	20 janv 2016	2969583	02 déc 2020	2969583	11 mars 2034	FLEXIBLE HINGE MATERIAL COMPRISING CROSS-LINKED POLYURETHANE MATERIAL

MMM0010-US-NP	United States Of America	THALES DIS FRANCE SA	15 mars 2013	13844591	18 sept 2014	20140265295	10 sept 2019	10406845	31 mai 2036	FLEXIBLE HINGE MATERIAL COMPRISING CROSS-LINKED POLYURETHANE MATERIAL
MMM0011-SG-PCT	Singapore	THALES DIS FRANCE SA	13 mars 2014	11201507622R	29 oct 2015	11201507622R	31 janv 2017	11201507622R	13 mars 2034	SECURITY FEATURE UTILIZING HINGE MATERIAL AND BIODATA PAGE
MMM0012-US-PCT	United States Of America	THALES DIS FRANCE SA	31 juil 2015	15502759	17 août 2017	20170236017	19 mars 2019	10235582	31 juil 2035	AUTOMATED EXAMINATION AND PROCESSING OF BIOMETRIC DATA
MMM0015-CN-PCT	China	THALES DIS FRANCE SA	30 août 2016	201680065190.2	31 août 2018	108475324			30 août 2036	NON-CONTACT FRICTION RIDGE CAPTURE DEVICE
MMM0015-EP-EPT	European Procedure (Patents)	THALES DIS FRANCE SA	30 août 2016	16844894.2	18 juil 2018	3347855			30 août 2036	NON-CONTACT FRICTION RIDGE CAPTURE DEVICE
MMM0015-US-PCT	United States Of America	THALES DIS FRANCE SA	30 août 2016	15759132	20 sept 2018	20180268193	08 sept 2020	10769402	22 nov 2036	NON-CONTACT FRICTION RIDGE CAPTURE DEVICE
MMM0016-US-PCT[2]	United States Of America	THALES DIS FRANCE SA	11 août 2017	16323426	25 juin 2020	20200202101			11 août 2037	A NON-CONTACT CAPTURE DEVICE
MMM0023-CN-NP	China	THALES DIS FRANCE SA	27 juil 2011	201110211995.2	30 janv 2013	102905040	20 avr 2016	201110211995.2	27 juil 2031	Imaging system for supporting documents
MMM0024-CN-NP	China	THALES DIS FRANCE SA	29 févr 2012	201220083340.1			19 déc 2012	202608159	29 févr 2032	Anti-Counterfeiting Security Film
MMM0025-CN-NP	China	THALES DIS FRANCE SA	29 févr 2012	201210059844.4	26 sept 2012	102692660	15 oct 2014	201210059844.4	29 févr 2032	Article for Realizing 3D Floating Image and Method for Making Same
MMM0027-US-NP	United States Of America	THALES DIS FRANCE SA	27 juin 2012	13534584			17 déc 2013	8610976	27 juin 2032	IMAGE ENHANCEMENT METHODS
MMM0028-US-NP	United States Of America	THALES DIS FRANCE SA	27 juin 2012	13534757	02 janv 2014	20140002723	03 juin 2014	8743426	05 sept 2032	IMAGE ENHANCEMENT METHODS
MMM0029-US-NP	United States Of America	THALES DIS FRANCE SA	16 déc 2016	15381294	22 juin 2017	20170177921	07 mai 2019	10282583	19 janv 2037	FINGERPRINT IMAGING SYSTEMS COMPRISING SELF-WETTING ADHESIVE, FILMS AND METHODS
MMM0030-CN-NP	China	THALES DIS FRANCE SA	31 déc 2015	201521130344.0			21 sept 2016	205594741	31 déc 2035	Home Intelligent Security Door Based on Face Recognition
MMM0031-CN-NP	China	THALES DIS FRANCE SA	31 déc 2015	201521137022.9			29 juin 2016	205356524	31 déc 2035	Intelligence Electronic Peephole System
MMM0032-CN-NP	China	THALES DIS FRANCE SA	28 déc 2015	201521107687.5			06 juil 2016	205375502	28 déc 2035	An Apparatus for Fingerprint Image Capture
MMM0033-CN-NP	China	THALES DIS FRANCE SA	15 déc 2015	201510933638.5	30 mars 2016	105447474	06 août 2019	105447474	15 déc 2035	Facial Identification Method and Facial Identification Device
MMM0034-KR-NP	South Korea / Republic of Korea	THALES DIS FRANCE SA	12 mai 2016	1020160058418	22 nov 2017	20170127805			12 mai 2036	Apparatus and Method for Handling Information of Traveler Inviting Duty Free Shop
MMM0035-CN-PCT[2]	China	THALES DIS FRANCE SA	28 mars 2018	PCTUS2018024788	30 oct 2020	111868734			28 mars 2038	Contactless Rolled Fingerprints
MMM0035-EP-EPT[2]	European Procedure (Patents)	THALES DIS FRANCE SA	28 mars 2018	18760995.3	29 juil 2020	3685304			28 mars 2038	Contactless Rolled Fingerprints
MMM0035-US-PCT[2]	United States Of America	THALES DIS FRANCE SA	28 mars 2018	PCTUS2018024788					28 mars 2038	Contactless Rolled Fingerprints
MMM0036-US-CNT	United States Of America	THALES DIS FRANCE SA	14 févr 2013	10366955			08 août 2006	7088872	25 janv 2024	METHOD AND APPARATUS FOR TWO DIMENSIONAL IMAGE PROCESSING
MMM0036-US-CNT[2]	United States Of America	THALES DIS FRANCE SA	21 juin 2006	11473155	26 oct 2006	20060239551	25 août 2009	7580567	31 mars 2022	METHOD AND APPARATUS FOR TWO DIMENSIONAL IMAGE PROCESSING
MMM0036-US-CNT[3]	United States Of America	THALES DIS FRANCE SA	09 juil 2009	12500554	29 oct 2009	20090268988	28 août 2012	8254728	04 mai 2023	METHOD AND APPARATUS FOR TWO DIMENSIONAL IMAGE PROCESSING

MMM0037-US-CNT	United States Of America	THALES DIS FRANCE SA	15 janv 2002	10047535			28 mars 2006	7020591	30 janv 2024	Partial differential equation model for image feature extraction and identification
MMM0037-US-CNT[2]	United States Of America	THALES DIS FRANCE SA	19 janv 2006	11336130	01 juin 2006	20060115131	20 mars 2007	7194393	05 sept 2021	Partial differential equation model for image feature extraction and identification
MMM0038-US-CNT	United States Of America	THALES DIS FRANCE SA	09 nov 2005	11271411	18 mai 2006	20060104493	10 nov 2009	7616788	01 févr 2027	SYSTEM AND METHOD FOR FAST BIOMETRIC PATTERN MATCHING
MMM0038-US-CNT[2]	United States Of America	THALES DIS FRANCE SA	13 oct 2009	12578469	04 févr 2010	20100027852	19 févr 2013	8379982	07 oct 2025	SYSTEM AND METHOD FOR FAST BIOMETRIC PATTERN MATCHING
MMM0039-US-CNT[2]	United States Of America	THALES DIS FRANCE SA	25 janv 2012	13358244	17 mai 2012	20120120233	12 nov 2013	8583379	16 nov 2025	METHOD AND DEVICE FOR IMAGE-BASED BIOLOGICAL DATA QUANTIFICATION
MMM0039-US-NP	United States Of America	THALES DIS FRANCE SA	08 août 2006	11501377	17 mai 2007	20070112525	06 mars 2012	8131477	25 nov 2029	METHOD AND DEVICE FOR IMAGE-BASED BIOLOGICAL DATA QUANTIFICATION
MMM0040-US-NP	United States Of America	THALES DIS FRANCE SA	17 avr 2008	12105212	06 nov 2008	20080273771	25 sept 2012	8275179	01 sept 2030	APPARATUS FOR CAPTURING A HIGH QUALITY IMAGE OF A MOIST FINGER
MMM0041-US-NP	United States Of America	THALES DIS FRANCE SA	28 mars 2008	12058310	11 déc 2008	20080304723			01 nov 2031	BIO-READER DEVICE WITH BARCODE
MMM0044-CN-NP	China	THALES DIS FRANCE SA	01 sept 2009	200910171644.6	06 avr 2011	102004912	06 avr 2013	102004912	01 sept 2029	APPARATUS FOR CAPTURING A HIGH QUALITY IMAGE OF A MOISTEN FINGER
MMM0045-CN-NP	China	THALES DIS FRANCE SA	08 août 2014	2014103909069	05 nov 2014	104134066	16 juin 2017	104134066	08 août 2034	A METHOD OF MATCHING AN OFF-LINE REGISTERED SIGNATURE
MMM0053-EP-EPT	European Procedure (Patents)	THALES DIS FRANCE SA	15 oct 2009	09822454.6	03 août 2011	2350732			15 oct 2029	METHODS OF FORMING SHEETING WITH COMPOSITE IMAGES THAT FLOAT AND SHEETING WITH COMPOSITE IMAGES THAT FLOAT
MMM0053-MX-PCT	Mexico	THALES DIS FRANCE SA	15 oct 2009	2011003867	03 mai 2011	2011003867	04 mai 2012	298839	15 oct 2029	METHODS OF FORMING SHEETING WITH COMPOSITE IMAGES THAT FLOAT AND SHEETING WITH COMPOSITE IMAGES THAT FLOAT
MMM0053-SG-PCT	Singapore	THALES DIS FRANCE SA	15 oct 2009	201102397-5			31 juil 2013	170272	15 oct 2029	METHODS OF FORMING SHEETING WITH COMPOSITE IMAGES THAT FLOAT AND SHEETING WITH COMPOSITE IMAGES THAT FLOAT
MMM0053-US-CNT	United States Of America	THALES DIS FRANCE SA	23 oct 2008	13344718	03 mai 2012	20120107734	17 sept 2013	8537470	30 nov 2028	METHODS OF FORMING SHEETING WITH COMPOSITE IMAGES THAT FLOAT AND SHEETING WITH COMPOSITE IMAGES THAT FLOAT
MMM0053-US-NP	United States Of America	THALES DIS FRANCE SA	23 oct 2008	12257182	29 avr 2010	20100103527	07 févr 2012	8111463	27 avr 2029	METHODS OF FORMING SHEETING WITH COMPOSITE IMAGES THAT FLOAT AND SHEETING WITH COMPOSITE IMAGES THAT FLOAT
MMM0054-CN-PCD	China	THALES DIS FRANCE SA	17 juin 2008	201210265275.9	19 déc 2012	102830494	01 avr 2015	ZL201210265275.9	17 juin 2028	SHEETING WITH COMPOSITE IMAGE THAT FLOATS
MMM0054-CN-PCT	China	THALES DIS FRANCE SA	17 juin 2008	200880106663.4	11 août 2010	101802653	27 mars 2013	ZL200880106663.4	17 juin 2028	SHEETING WITH COMPOSITE IMAGE THAT FLOATS
MMM0054-EP-EPT	European Procedure (Patents)	THALES DIS FRANCE SA	17 juin 2008	08771236.0	24 mars 2010	2165224			17 juin 2028	SHEETING WITH COMPOSITE IMAGE THAT FLOATS
MMM0054-JP-PCT	Japan	THALES DIS FRANCE SA	17 juin 2008	2010516110	21 oct 2010	2010533315	16 mai 2014	5543341	17 juin 2028	SHEETING WITH COMPOSITE IMAGE THAT FLOATS
MMM0054-US-PCT	United States Of America	THALES DIS FRANCE SA	17 juin 2008	12663755	22 juil 2010	20100182666	11 juin 2013	8459807	07 mai 2029	SHEETING WITH COMPOSITE IMAGE THAT FLOATS
MMM0056-DE-EPT	Germany	THALES DIS FRANCE SA	16 mai 2012	12789359.2	26 mars 2014	2710084	28 oct 2020	602012072999.6	16 mai 2032	PROCESSING TAPES FOR PREPARING LAMINATE ARTICLES
MMM0056-DK-EPT	Denmark	THALES DIS FRANCE SA	16 mai 2012	12789359.2	26 mars 2014	2710084	28 oct 2020	2710084	16 mai 2032	PROCESSING TAPES FOR PREPARING LAMINATE ARTICLES
MMM0056-EP-EPT	European Procedure (Patents)	THALES DIS FRANCE SA	16 mai 2012	12789359.2	26 mars 2014	2710084	28 oct 2020	2710084	16 mai 2032	PROCESSING TAPES FOR PREPARING LAMINATE ARTICLES

MMM0056-ES-EPT	Spain	THALES DIS FRANCE SA	16 mai 2012	12789359.2	26 mars 2014	2710084	28 oct 2020	2710084	16 mai 2032	PROCESSING TAPES FOR PREPARING LAMINATE ARTICLES
MMM0056-FR-EPT	France	THALES DIS FRANCE SA	16 mai 2012	12789359.2	26 mars 2014	2710084	28 oct 2020	2710084	16 mai 2032	PROCESSING TAPES FOR PREPARING LAMINATE ARTICLES
MMM0056-GB-EPT	United Kingdom	THALES DIS FRANCE SA	16 mai 2012	12789359.2	26 mars 2014	2710084	28 oct 2020	2710084	16 mai 2032	PROCESSING TAPES FOR PREPARING LAMINATE ARTICLES
MMM0056-IT-EPT	Italy	THALES DIS FRANCE SA	16 mai 2012	12789359.2	26 mars 2014	2710084	28 oct 2020	2710084	16 mai 2032	PROCESSING TAPES FOR PREPARING LAMINATE ARTICLES
MMM0056-PL-EPT	Poland	THALES DIS FRANCE SA	16 mai 2012	12789359.2	26 mars 2014	2710084	28 oct 2020	2710084	16 mai 2032	PROCESSING TAPES FOR PREPARING LAMINATE ARTICLES
MMM0056-US-CNT	United States Of America	THALES DIS FRANCE SA	21 févr 2014	15617340	21 sept 2017	20170267014			16 mai 2032	PROCESSING TAPES FOR PREPARING LAMINATE ARTICLES
MMM0057-DE-EPT	Germany	THALES DIS FRANCE SA	16 mai 2012	12788895.6	26 mars 2014	2710520	27 avr 2016	602012017818.3	16 mai 2032	LASER-PERSONALIZABLE SECURITY ARTICLES
MMM0057-FI-EPT	Finland	THALES DIS FRANCE SA	16 mai 2012	12788895.6	26 mars 2014	2710520	27 avr 2016	2710520	16 mai 2032	LASER-PERSONALIZABLE SECURITY ARTICLES
MMM0057-FR-EPT	France	THALES DIS FRANCE SA	16 mai 2012	12788895.6	26 mars 2014	2710520	27 avr 2016	2710520	16 mai 2032	LASER-PERSONALIZABLE SECURITY ARTICLES
MMM0057-GB-EPT	United Kingdom	THALES DIS FRANCE SA	16 mai 2012	12788895.6	26 mars 2014	2710520	27 avr 2016	2710520	16 mai 2032	LASER-PERSONALIZABLE SECURITY ARTICLES
MMM0057-RO-EPT	Romania	THALES DIS FRANCE SA	16 mai 2012	12788895.6	26 mars 2014	2710520	27 avr 2016	2710520	16 mai 2032	LASER-PERSONALIZABLE SECURITY ARTICLES
MMM0057-US-PCT	United States Of America	THALES DIS FRANCE SA	16 mai 2012	14118592	21 mai 2015	20150140292	22 mars 2016	9289962	16 mai 2032	LASER-PERSONALIZABLE SECURITY ARTICLES
MMM0058-DE-EPT	Germany	THALES DIS FRANCE SA	16 mai 2012	12789509.2	26 mars 2014	2710519	17 juil 2019	602012062118.4	16 mai 2032	LASER-PERSONALIZABLE SECURITY ARTICLES
MMM0058-FR-EPT	France	THALES DIS FRANCE SA	16 mai 2012	12789509.2	26 mars 2014	2710519	17 juil 2019	2710519	16 mai 2032	LASER-PERSONALIZABLE SECURITY ARTICLES
MMM0058-GB-EPT	United Kingdom	THALES DIS FRANCE SA	16 mai 2012	12789509.2	26 mars 2014	2710519	17 juil 2019	2710519	16 mai 2032	LASER-PERSONALIZABLE SECURITY ARTICLES
MMM0058-US-PCT	United States Of America	THALES DIS FRANCE SA	16 mai 2012	14118688	17 juil 2014	20140197625	10 juil 2018	10017001	27 mars 2034	LASER-PERSONALIZABLE SECURITY ARTICLES
MMM0059-IN-PCT	India	THALES DIS FRANCE SA	10 oct 2006	20081782			29 oct 2015	269621	10 oct 2026	METHODS OF FORMING SHEETING WITH A COMPOSITE IMAGE THAT FLOATS AND SHEETING WITH A COMPOSITE IMAGE THAT FLOATS
MMM0059-MX-PCD	Mexico	THALES DIS FRANCE SA	10 oct 2006	2011007106			20 sept 2013	313471	10 oct 2026	METHODS OF FORMING SHEETING WITH A COMPOSITE IMAGE THAT FLOATS AND SHEETING WITH A COMPOSITE IMAGE THAT FLOATS
MMM0059-MX-PCT	Mexico	THALES DIS FRANCE SA	10 oct 2006	2008004548			08 juil 2011	288223	10 oct 2026	METHODS OF FORMING SHEETING WITH A COMPOSITE IMAGE THAT FLOATS AND SHEETING WITH A COMPOSITE IMAGE THAT FLOATS
MMM0059-SG-PCT	Singapore	THALES DIS FRANCE SA	10 oct 2006	200802694-0			30 avr 2009	141681	10 oct 2026	METHODS OF FORMING SHEETING WITH A COMPOSITE IMAGE THAT FLOATS AND SHEETING WITH A COMPOSITE IMAGE THAT FLOATS
MUL0005-US-CNT	United States Of America	THALES DIS FRANCE SA	30 sept 2002	10260858	06 févr 2003	20030024980	01 juin 2004	6742715	30 sept 2022	SYSTEM AND METHOD FOR FLEXIBLY LOADING AN IC CARD
MUL0012-DE-EPT	Germany	THALES DIS FRANCE SA	24 janv 2007	07762426.0	02 août 2007	1977552	01 août 2012	1977552	24 janv 2027	METHOD AND SYSTEM FOR PERSONALISING SMART CARDS USING ASYMMETRIC KEY CRYPTOGRAPHY
MUL0012-FR-EPT	France	THALES DIS FRANCE SA	24 janv 2007	07762426.0	02 août 2007	1977552	01 août 2012	1977552	24 janv 2027	METHOD AND SYSTEM FOR PERSONALISING SMART CARDS USING ASYMMETRIC KEY CRYPTOGRAPHY

MUL0012-GB-EPT	United Kingdom	THALES DIS FRANCE SA	24 janv 2007	07762426.0	02 août 2007	1977552	01 août 2012	1977552	24 janv 2027	METHOD AND SYSTEM FOR PERSONALISING SMART CARDS USING ASYMMETRIC KEY CRYPTOGRAPHY
MUL0012-TW-NP	Taiwan	THALES DIS FRANCE SA	24 janv 2007	96102698	16 mai 2008	200822660	01 déc 2013	1418198	24 janv 2027	METHOD AND SYSTEM FOR PERSONALISING SMART CARDS USING ASYMMETRIC KEY CRYPTOGRAPHY
MUL0012-US-NP	United States Of America	THALES DIS FRANCE SA	24 janv 2007	11626838	03 janv 2008	20080005567			24 janv 2027	METHOD AND SYSTEM FOR PERSONALISING SMART CARDS USING ASYMMETRIC KEY CRYPTOGRAPHY
MUL0014-US-NP	United States Of America	THALES DIS FRANCE SA	19 avr 2007	11737712	03 janv 2008	20080005559	21 avr 2009	7523495	19 avr 2027	METHODS AND SYSTEMS FOR IC CARD APPLICATION LOADING
SER0002-MX-PCT	Mexico	THALES DIS FRANCE SA	22 juil 2010	MX2012001021	17 juil 2012	MX2012001021	24 sept 2014	323860	22 juil 2030	APPARATUS AND METHOD FOR ISSUING TRANSACTION CARDS
SER0002-NZ-PCT	New Zealand	THALES DIS FRANCE SA	22 juil 2010	598128	27 janv 2011	598128	01 août 2014	598128	22 juil 2030	APPARATUS AND METHOD FOR ISSUING TRANSACTION CARDS
SER0002-ZA-PCT	South Africa	THALES DIS FRANCE SA	22 juil 2010	20120889	27 janv 2011	20120889	31 oct 2012	20120889	22 juil 2030	APPARATUS AND METHOD FOR ISSUING TRANSACTION CARDS
SER0003-US-NP	United States Of America	THALES DIS FRANCE SA	08 août 2007	11891250	14 févr 2008	20080037900	03 sept 2013	8527354	25 févr 2032	AFFINITY GROUP
SER0007-AT-ETD[2]	Austria	THALES DIS FRANCE SA	17 févr 2004	07114131.1	24 oct 2007	1847964	11 avr 2012	1847964	17 févr 2024	APPARATUS AND METHOD FOR MANIPULATING IMAGES
SER0007-AU-PCD	Australia	THALES DIS FRANCE SA	17 févr 2004	2009200590	05 mars 2009	2009200590	03 nov 2011	2009200590	17 févr 2024	APPARATUS AND METHOD FOR MANIPULATING IMAGES
SER0007-AU-PCD[2]	Australia	THALES DIS FRANCE SA	17 févr 2004	2009200591	12 mars 2009	2009200591	03 nov 2011	2009200591	17 févr 2024	APPARATUS AND METHOD FOR MANIPULATING IMAGES
SER0007-AU-PCT	Australia	THALES DIS FRANCE SA	17 févr 2004	2004213957	08 sept 2005	2004213957	07 mai 2009	2004213957	17 févr 2024	APPARATUS AND METHOD FOR MANIPULATING IMAGES
SER0007-BE-ETD[2]	Belgium	THALES DIS FRANCE SA	17 févr 2004	07114131.1	24 oct 2007	1847964	11 avr 2012	1847964	17 févr 2024	APPARATUS AND METHOD FOR MANIPULATING IMAGES
SER0007-CA-PCT	Canada	THALES DIS FRANCE SA	17 févr 2004	2516479	02 sept 2004	2516479	06 sept 2016	2516479	17 févr 2024	APPARATUS AND METHOD FOR MANIPULATING IMAGES
SER0007-CH-ETD[2]	Switzerland	THALES DIS FRANCE SA	17 févr 2004	07114131.1	24 oct 2007	1847964	11 avr 2012	1847964	17 févr 2024	APPARATUS AND METHOD FOR MANIPULATING IMAGES
SER0007-DE-ETD[2]	Germany	THALES DIS FRANCE SA	17 févr 2004	07114131.1	24 oct 2007	1847964	11 avr 2012	602004037382.6	17 févr 2024	APPARATUS AND METHOD FOR MANIPULATING IMAGES
SER0007-DK-ETD[2]	Denmark	THALES DIS FRANCE SA	17 févr 2004	07114131.1	24 oct 2007	1847964	11 avr 2012	1847964	17 févr 2024	APPARATUS AND METHOD FOR MANIPULATING IMAGES
SER0007-ES-ETD[2]	Spain	THALES DIS FRANCE SA	17 févr 2004	07114131.1	24 oct 2007	1847964	11 avr 2012	1847964	17 févr 2024	APPARATUS AND METHOD FOR MANIPULATING IMAGES
SER0007-FI-ETD[2]	Finland	THALES DIS FRANCE SA	17 févr 2004	07114131.1	24 oct 2007	1847964	11 avr 2012	1847964	17 févr 2024	APPARATUS AND METHOD FOR MANIPULATING IMAGES
SER0007-FR-EPT	France	THALES DIS FRANCE SA	17 févr 2004	04711651.2	07 déc 2005	1602072	26 sept 2007	1602072	17 févr 2024	APPARATUS AND METHOD FOR MANIPULATING IMAGES
SER0007-FR-ETD	France	THALES DIS FRANCE SA	17 févr 2004	06016508.1	25 oct 2006	1715458	20 juin 2012	1715458	17 févr 2024	APPARATUS AND METHOD FOR MANIPULATING IMAGES
SER0007-FR-ETD[2]	France	THALES DIS FRANCE SA	17 févr 2004	07114131.1	24 oct 2007	1847964	11 avr 2012	1847964	17 févr 2024	APPARATUS AND METHOD FOR MANIPULATING IMAGES
SER0007-GB-EPT	United Kingdom	THALES DIS FRANCE SA	17 févr 2004	04711651.2	07 déc 2005	1602072	26 sept 2007	1602072	17 févr 2024	APPARATUS AND METHOD FOR MANIPULATING IMAGES
SER0007-GB-ETD	United Kingdom	THALES DIS FRANCE SA	17 févr 2004	06016508.1	25 oct 2006	1715458	20 juin 2012	1715458	17 févr 2024	APPARATUS AND METHOD FOR MANIPULATING IMAGES

SER0007-GB-ETD[2]	United Kingdom	THALES DIS FRANCE SA	17 févr 2004	07114131.1	24 oct 2007	1847964	11 avr 2012	1847964	17 févr 2024	APPARATUS AND METHOD FOR MANIPULATING IMAGES
SER0007-HK-FPD	Hong Kong	THALES DIS FRANCE SA	17 févr 2004	20070101313	08 juin 2007	1096750	12 avr 2013	1096750	17 févr 2024	APPARATUS AND METHOD FOR MANIPULATING IMAGES
SER0007-IE-EPT	Ireland	THALES DIS FRANCE SA	17 févr 2004	04711651.2	07 déc 2005	1602072	26 sept 2007	1602072	17 févr 2024	APPARATUS AND METHOD FOR MANIPULATING IMAGES
SER0007-IE-ETD[2]	Ireland	THALES DIS FRANCE SA	17 févr 2004	07114131.1	24 oct 2007	1847964	11 avr 2012	1847964	17 févr 2024	APPARATUS AND METHOD FOR MANIPULATING IMAGES
SER0007-IN-PCD	India	THALES DIS FRANCE SA	17 févr 2004	430CHENP2009	30 juil 2010	430CHENP2009			17 févr 2024	APPARATUS AND METHOD FOR MANIPULATING IMAGES
SER0007-IT-EPT	Italy	THALES DIS FRANCE SA	17 févr 2004	04711651.2	07 déc 2005	1602072	26 sept 2007	1602072	17 févr 2024	APPARATUS AND METHOD FOR MANIPULATING IMAGES
SER0007-IT-ETD	Italy	THALES DIS FRANCE SA	17 févr 2004	06016508.1	25 oct 2006	1715458	20 juin 2012	1715458	17 févr 2024	APPARATUS AND METHOD FOR MANIPULATING IMAGES
SER0007-IT-ETD[2]	Italy	THALES DIS FRANCE SA	17 févr 2004	07114131.1	24 oct 2007	1847964	11 avr 2012	1847964	17 févr 2024	APPARATUS AND METHOD FOR MANIPULATING IMAGES
SER0007-NL-EPT	Netherlands	THALES DIS FRANCE SA	17 févr 2004	04711651.2	07 déc 2005	1602072	26 sept 2007	1602072	17 févr 2024	APPARATUS AND METHOD FOR MANIPULATING IMAGES
SER0007-NL-ETD	Netherlands	THALES DIS FRANCE SA	17 févr 2004	06016508.1	25 oct 2006	1715458	20 juin 2012	1715458	17 févr 2024	APPARATUS AND METHOD FOR MANIPULATING IMAGES
SER0007-NL-ETD[2]	Netherlands	THALES DIS FRANCE SA	17 févr 2004	07114131.1	24 oct 2007	1847964	11 avr 2012	1847964	17 févr 2024	APPARATUS AND METHOD FOR MANIPULATING IMAGES
SER0007-NZ-PCT	New Zealand	THALES DIS FRANCE SA	17 févr 2004	543516	27 mars 2009	543516	09 juil 2009	543516	17 févr 2024	APPARATUS AND METHOD FOR MANIPULATING IMAGES
SER0007-SE-ETD[2]	Sweden	THALES DIS FRANCE SA	17 févr 2004	07114131.1	24 oct 2007	1847964	11 avr 2012	1847964	17 févr 2024	APPARATUS AND METHOD FOR MANIPULATING IMAGES
SER0007-TR-ETD[2]	Turkey	THALES DIS FRANCE SA	17 févr 2004	07114131.1	24 oct 2007	1847964	11 avr 2012	1847964	17 févr 2024	APPARATUS AND METHOD FOR MANIPULATING IMAGES
SER0007-US-CNT	United States Of America	THALES DIS FRANCE SA	03 avr 2003	12132516	25 sept 2008	20080230616	24 mai 2011	7946490	17 nov 2024	APPARATUS AND METHOD FOR MANIPULATING IMAGES
SER0007-US-CNT[2]	United States Of America	THALES DIS FRANCE SA	03 avr 2003	12954277	31 mars 2011	20110072988	26 avr 2011	7931199	17 févr 2024	APPARATUS AND METHOD FOR MANIPULATING IMAGES
SER0007-US-CNT[6]	United States Of America	THALES DIS FRANCE SA	02 nov 2006	14789884	31 déc 2015	20150379504	03 avr 2018	9934503	07 mars 2025	APPARATUS AND METHOD FOR MANIPULATING IMAGES
SER0007-US-NP	United States Of America	THALES DIS FRANCE SA	03 avr 2003	10406519	19 août 2004	20040160624	18 sept 2012	8269793	20 janv 2028	APPARATUS AND METHOD FOR MANIPULATING IMAGES
SER0008-US-PCT	United States Of America	THALES DIS FRANCE SA	17 août 2004	10589921	25 oct 2007	20070246526	01 oct 2013	8544731	21 oct 2029	APPARTUS AND METHOD FOR PRODUCTION OF TRANSACTION CARDS
STC0026-CH-EPT	Switzerland	THALES DIS FRANCE SA;GEMALTO OY	07 juil 2009	09793943.3	13 avr 2011	2307204	16 mars 2016	2307204	07 juil 2029	METHOD FOR SECURING AN IMAGE BY MEANS OF GRAPHICAL ANTI-COUNTERFEITING MEANS, METHOD FOR SECURING AN IDENTIFICATION DOCUMENT, AND SECURE DOCUMENT
STC0026-DE-EPT	Germany	THALES DIS FRANCE SA;GEMALTO OY	07 juil 2009	09793943.3	13 avr 2011	2307204	16 mars 2016	602009036855.9	07 juil 2029	METHOD FOR SECURING AN IMAGE BY MEANS OF GRAPHICAL ANTI-COUNTERFEITING MEANS, METHOD FOR SECURING AN IDENTIFICATION DOCUMENT, AND SECURE DOCUMENT
STC0026-ES-EPT	Spain	THALES DIS FRANCE SA;GEMALTO OY	07 juil 2009	09793943.3	13 avr 2011	2307204	16 mars 2016	2307204	07 juil 2029	METHOD FOR SECURING AN IMAGE BY MEANS OF GRAPHICAL ANTI-COUNTERFEITING MEANS, METHOD FOR SECURING AN IDENTIFICATION DOCUMENT, AND SECURE DOCUMENT
STC0026-FI-EPT	Finland	THALES DIS FRANCE SA;GEMALTO OY	07 juil 2009	09793943.3	13 avr 2011	2307204	16 mars 2016	2307204	07 juil 2029	METHOD FOR SECURING AN IMAGE BY MEANS OF GRAPHICAL ANTI-COUNTERFEITING MEANS,

										METHOD FOR SECURING AN IDENTIFICATION DOCUMENT, AND SECURE DOCUMENT
STC0026-FR-EPT	France	THALES DIS FRANCE SA;GEMALTO OY	07 juil 2009	09793943.3	13 avr 2011	2307204	16 mars 2016	2307204	07 juil 2029	METHOD FOR SECURING AN IMAGE BY MEANS OF GRAPHICAL ANTI-COUNTERFEITING MEANS, METHOD FOR SECURING AN IDENTIFICATION DOCUMENT, AND SECURE DOCUMENT
STC0026-GB-EPT	United Kingdom	THALES DIS FRANCE SA;GEMALTO OY	07 juil 2009	09793943.3	13 avr 2011	2307204	16 mars 2016	2307204	07 juil 2029	METHOD FOR SECURING AN IMAGE BY MEANS OF GRAPHICAL ANTI-COUNTERFEITING MEANS, METHOD FOR SECURING AN IDENTIFICATION DOCUMENT, AND SECURE DOCUMENT
STC0026-IT-EPT	Italy	THALES DIS FRANCE SA;GEMALTO OY	07 juil 2009	09793943.3	13 avr 2011	2307204	16 mars 2016	502016000060597	07 juil 2029	METHOD FOR SECURING AN IMAGE BY MEANS OF GRAPHICAL ANTI-COUNTERFEITING MEANS, METHOD FOR SECURING AN IDENTIFICATION DOCUMENT, AND SECURE DOCUMENT
STC0026-NL-EPT	Netherlands	THALES DIS FRANCE SA;GEMALTO OY	07 juil 2009	09793943.3	13 avr 2011	2307204	16 mars 2016	2307204	07 juil 2029	METHOD FOR SECURING AN IMAGE BY MEANS OF GRAPHICAL ANTI-COUNTERFEITING MEANS, METHOD FOR SECURING AN IDENTIFICATION DOCUMENT, AND SECURE DOCUMENT
STC0026-SE-EPT	Sweden	THALES DIS FRANCE SA;GEMALTO OY	07 juil 2009	09793943.3	13 avr 2011	2307204	16 mars 2016	2307204	07 juil 2029	METHOD FOR SECURING AN IMAGE BY MEANS OF GRAPHICAL ANTI-COUNTERFEITING MEANS, METHOD FOR SECURING AN IDENTIFICATION DOCUMENT, AND SECURE DOCUMENT
STC0026-TR-EPT	Turkey	THALES DIS FRANCE SA;GEMALTO OY	07 juil 2009	09793943.3	13 avr 2011	2307204	16 mars 2016	201606279	07 juil 2029	METHOD FOR SECURING AN IMAGE BY MEANS OF GRAPHICAL ANTI-COUNTERFEITING MEANS, METHOD FOR SECURING AN IDENTIFICATION DOCUMENT, AND SECURE DOCUMENT
STC0026-US-PCT	United States Of America	THALES DIS FRANCE SA;GEMALTO OY	07 juil 2009	13002919	30 juin 2011	20110158472	23 avr 2013	8428300	06 mars 2030	METHOD FOR SECURING AN IMAGE BY MEANS OF GRAPHICAL ANTI-COUNTERFEITING MEANS, METHOD FOR SECURING AN IDENTIFICATION DOCUMENT, AND SECURE DOCUMENT
STC0029-US-PCT	United States Of America	THALES DIS FRANCE SA	17 sept 2009	13119024	19 avr 2012	20120091704	10 juin 2014	8746744	16 mars 2030	IDENTIFICATION DOCUMENT COMPRISING A SECURITY PATTERN
STC0039-BR-PCT	Brazil	THALES DIS FRANCE SA	30 avr 2010	PI1014948.1	24 juil 2018	PI1014948.1	14 avr 2020	PI1014948.1	30 avr 2030	A PROCESS FOR SECURING AN IDENTIFICATION DOCUMENT AND SECURE IDENTIFICATION DOCUMENT
STC0039-DE-EPT	Germany	THALES DIS FRANCE SA	30 avr 2010	10715872.7	07 mars 2012	2424735	31 déc 2014	2424735	30 avr 2030	A PROCESS FOR SECURING AN IDENTIFICATION DOCUMENT AND SECURE IDENTIFICATION DOCUMENT
STC0039-FI-EPT	Finland	THALES DIS FRANCE SA	30 avr 2010	10715872.7	07 mars 2012	2424735	31 déc 2014	2424735	30 avr 2030	A PROCESS FOR SECURING AN IDENTIFICATION DOCUMENT AND SECURE IDENTIFICATION DOCUMENT
STC0039-FR-EPT	France	THALES DIS FRANCE SA	30 avr 2010	10715872.7	07 mars 2012	2424735	31 déc 2014	2424735	30 avr 2030	A PROCESS FOR SECURING AN IDENTIFICATION DOCUMENT AND SECURE IDENTIFICATION DOCUMENT
STC0039-MX-PCT	Mexico	THALES DIS FRANCE SA	30 avr 2010	MX2011011300			24 juil 2014	322246	30 avr 2030	A PROCESS FOR SECURING AN IDENTIFICATION DOCUMENT AND SECURE IDENTIFICATION DOCUMENT
STC0039-SE-EPT	Sweden	THALES DIS FRANCE SA	30 avr 2010	10715872.7	07 mars 2012	2424735	31 déc 2014	2424735	30 avr 2030	A PROCESS FOR SECURING AN IDENTIFICATION DOCUMENT AND SECURE IDENTIFICATION DOCUMENT
STC0039-US-PCT	United States Of America	THALES DIS FRANCE SA	30 avr 2010	13318146	01 mars 2012	20120049506	16 avr 2019	10259256	17 mars 2031	A PROCESS FOR SECURING AN IDENTIFICATION DOCUMENT AND SECURE IDENTIFICATION DOCUMENT
STC0041-BR-PCT	Brazil	THALES DIS FRANCE SA	01 juin 2010	PI1013104-3					01 juin 2030	A METHOD OF MANUFACTURING A SECURITY PAGE

STC0041-DE-EPT	Germany	THALES DIS FRANCE SA	01 juin 2010	10720170.9	18 avr 2012	2440413	01 mai 2013	2440413	01 juin 2030	A METHOD OF MANUFACTURING A SECURITY PAGE
STC0041-FI-EPT	Finland	THALES DIS FRANCE SA	01 juin 2010	10720170.9	18 avr 2012	2440413	01 mai 2013	2440413	01 juin 2030	A METHOD OF MANUFACTURING A SECURITY PAGE
STC0041-FR-EPT	France	THALES DIS FRANCE SA	01 juin 2010	10720170.9	18 avr 2012	2440413	01 mai 2013	2440413	01 juin 2030	A METHOD OF MANUFACTURING A SECURITY PAGE
STC0041-GB-EPT	United Kingdom	THALES DIS FRANCE SA	01 juin 2010	10720170.9	18 avr 2012	2440413	01 mai 2013	2440413	01 juin 2030	A METHOD OF MANUFACTURING A SECURITY PAGE
STC0041-MY-PCT	Malaysia	THALES DIS FRANCE SA	01 juin 2010	PI2011005799			30 nov 2016	158995A	01 juin 2030	A METHOD OF MANUFACTURING A SECURITY PAGE
STC0041-NL-EPT	Netherlands	THALES DIS FRANCE SA	01 juin 2010	10720170.9	18 avr 2012	2440413	01 mai 2013	2440413	01 juin 2030	A METHOD OF MANUFACTURING A SECURITY PAGE
STC0041-PL-EPT	Poland	THALES DIS FRANCE SA	01 juin 2010	10720170.9	18 avr 2012	2440413	01 mai 2013	2440413	01 juin 2030	A METHOD OF MANUFACTURING A SECURITY PAGE
STC0041-SE-EPT	Sweden	THALES DIS FRANCE SA	01 juin 2010	10720170.9	18 avr 2012	2440413	01 mai 2013	2440413	01 juin 2030	A METHOD OF MANUFACTURING A SECURITY PAGE
STC0041-TH-EPT	Thailand	THALES DIS FRANCE SA	01 juin 2010	1101003587	27 déc 2012	118646	14 juin 2019	70294	01 juin 2030	A METHOD OF MANUFACTURING A SECURITY PAGE
STC0052-AT-EPT	Austria	THALES DIS FRANCE SA	10 nov 2010	10782571.3	19 sept 2012	2499002	22 août 2018	1032002	10 nov 2030	IDENTIFICATION DOCUMENT AND A METHOD OF PRODUCING
STC0052-BE-EPT	Belgium	THALES DIS FRANCE SA	10 nov 2010	10782571.3	19 sept 2012	2499002	22 août 2018	2499002	10 nov 2030	IDENTIFICATION DOCUMENT AND A METHOD OF PRODUCING
STC0052-BR-PCT	Brazil	THALES DIS FRANCE SA	10 nov 2010	1120120110390	10 oct 2017	1120120110390	24 déc 2019	1120120110390	10 nov 2030	IDENTIFICATION DOCUMENT AND A METHOD OF PRODUCING
STC0052-CH-EPT	Switzerland	THALES DIS FRANCE SA	10 nov 2010	10782571.3	19 sept 2012	2499002	22 août 2018	2499002	10 nov 2030	IDENTIFICATION DOCUMENT AND A METHOD OF PRODUCING
STC0052-DE-EPT	Germany	THALES DIS FRANCE SA	10 nov 2010	10782571.3	19 sept 2012	2499002	22 août 2018	602010052984.3	10 nov 2030	IDENTIFICATION DOCUMENT AND A METHOD OF PRODUCING
STC0052-ES-EPT	Spain	THALES DIS FRANCE SA	10 nov 2010	10782571.3	19 sept 2012	2499002	22 août 2018	2499002	10 nov 2030	IDENTIFICATION DOCUMENT AND A METHOD OF PRODUCING
STC0052-FI-EPT	Finland	THALES DIS FRANCE SA	10 nov 2010	10782571.3	19 sept 2012	2499002	22 août 2018	2499002	10 nov 2030	IDENTIFICATION DOCUMENT AND A METHOD OF PRODUCING
STC0052-FR-EPT	France	THALES DIS FRANCE SA	10 nov 2010	10782571.3	19 sept 2012	2499002	22 août 2018	2499002	10 nov 2030	IDENTIFICATION DOCUMENT AND A METHOD OF PRODUCING
STC0052-GB-EPT	United Kingdom	THALES DIS FRANCE SA	10 nov 2010	10782571.3	19 sept 2012	2499002	22 août 2018	2499002	10 nov 2030	IDENTIFICATION DOCUMENT AND A METHOD OF PRODUCING
STC0052-HU-EPT	Hungary	THALES DIS FRANCE SA	10 nov 2010	10782571.3	19 sept 2012	2499002	22 août 2018	E041903	10 nov 2030	IDENTIFICATION DOCUMENT AND A METHOD OF PRODUCING
STC0052-ID-PCT	Indonesia	THALES DIS FRANCE SA	10 nov 2010	W00201202305	25 oct 2012	2012/04508.A	08 janv 2019	IDP000055693	10 nov 2030	IDENTIFICATION DOCUMENT AND A METHOD OF PRODUCING
STC0052-IE-EPT	Ireland	THALES DIS FRANCE SA	10 nov 2010	10782571.3	19 sept 2012	2499002	22 août 2018	2499002	10 nov 2030	IDENTIFICATION DOCUMENT AND A METHOD OF PRODUCING
STC0052-IT-EPT	Italy	THALES DIS FRANCE SA	10 nov 2010	10782571.3	19 sept 2012	2499002	22 août 2018	502018000035679	10 nov 2030	IDENTIFICATION DOCUMENT AND A METHOD OF PRODUCING
STC0052-JP-PCT	Japan	THALES DIS FRANCE SA	10 nov 2010	2012538323	28 mars 2013	2013510737	02 oct 2015	5813648	10 nov 2030	IDENTIFICATION DOCUMENT AND A METHOD OF PRODUCING
STC0052-LT-EPT	Lithuania	THALES DIS FRANCE SA	10 nov 2010	10782571.3	19 sept 2012	2499002	22 août 2018	2499002	10 nov 2030	IDENTIFICATION DOCUMENT AND A METHOD OF PRODUCING
STC0052-MT-EPT	Malta	THALES DIS FRANCE SA	10 nov 2010	10782571.3	19 sept 2012	2499002	22 août 2018	36422	10 nov 2030	IDENTIFICATION DOCUMENT AND A METHOD OF PRODUCING
STC0052-NL-EPT	Netherlands	THALES DIS FRANCE SA	10 nov 2010	10782571.3	19 sept 2012	2499002	22 août 2018	2499002	10 nov 2030	IDENTIFICATION DOCUMENT AND A METHOD OF PRODUCING

STC0052-PL-EPT	Poland	THALES DIS FRANCE SA	10 nov 2010	10782571.3	19 sept 2012	2499002	22 août 2018	2499002	10 nov 2030	IDENTIFICATION DOCUMENT AND A METHOD OF PRODUCING
STC0052-PT-EPT	Portugal	THALES DIS FRANCE SA	10 nov 2010	10782571.3	19 sept 2012	2499002	22 août 2018	2499002	10 nov 2030	IDENTIFICATION DOCUMENT AND A METHOD OF PRODUCING
STC0052-RO-EPT	Romania	THALES DIS FRANCE SA	10 nov 2010	10782571.3	19 sept 2012	2499002	22 août 2018	2499002	10 nov 2030	IDENTIFICATION DOCUMENT AND A METHOD OF PRODUCING
STC0052-RS-EPT	Serbia (ex-Serbia & Montenegro)	THALES DIS FRANCE SA	10 nov 2010	10782571.3	19 sept 2012	2499002	22 août 2018	58204	10 nov 2030	IDENTIFICATION DOCUMENT AND A METHOD OF PRODUCING
STC0052-SE-EPT	Sweden	THALES DIS FRANCE SA	10 nov 2010	10782571.3	19 sept 2012	2499002	22 août 2018	2499002	10 nov 2030	IDENTIFICATION DOCUMENT AND A METHOD OF PRODUCING
STC0052-SI-EPT	Slovenia	THALES DIS FRANCE SA	10 nov 2010	10782571.3	19 sept 2012	2499002	22 août 2018	2499002	10 nov 2030	IDENTIFICATION DOCUMENT AND A METHOD OF PRODUCING
STC0052-SK-EPT	Slovakia	THALES DIS FRANCE SA	10 nov 2010	10782571.3	19 sept 2012	2499002	22 août 2018	2499002	10 nov 2030	IDENTIFICATION DOCUMENT AND A METHOD OF PRODUCING
STC0052-TR-EPT	Turkey	THALES DIS FRANCE SA	10 nov 2010	10782571.3	19 sept 2012	2499002	22 août 2018	TR201817365T4	10 nov 2030	IDENTIFICATION DOCUMENT AND A METHOD OF PRODUCING
STC0052-US-PCT	United States Of America	THALES DIS FRANCE SA	10 nov 2010	13509610			26 janv 2016	9242502	10 mai 2032	IDENTIFICATION DOCUMENT AND A METHOD OF PRODUCING
STC0060-BR-PCT	Brazil	THALES DIS FRANCE SA	23 juin 2011	BR112012032123.4	16 nov 2016	BR112012032123.4	28 avr 2020	BR112012032123.4	23 juin 2031	A SECURITY DOCUMENT AND A MANUFACTURING METHOD
STC0060-CH-EPT	Switzerland	THALES DIS FRANCE SA	23 juin 2011	11730251.3	01 mai 2013	2585310	04 avr 2018	2585310	23 juin 2031	A SECURITY DOCUMENT AND A MANUFACTURING METHOD
STC0060-DE-EPT	Germany	THALES DIS FRANCE SA	23 juin 2011	11730251.3	01 mai 2013	2585310	04 avr 2018	602011047137.6	23 juin 2031	A SECURITY DOCUMENT AND A MANUFACTURING METHOD
STC0060-FI-EPT	Finland	THALES DIS FRANCE SA	23 juin 2011	11730251.3	01 mai 2013	2585310	04 avr 2018	2585310	23 juin 2031	A SECURITY DOCUMENT AND A MANUFACTURING METHOD
STC0060-FR-EPT	France	THALES DIS FRANCE SA	23 juin 2011	11730251.3	01 mai 2013	2585310	04 avr 2018	2585310	23 juin 2031	A SECURITY DOCUMENT AND A MANUFACTURING METHOD
STC0060-GB-EPT	United Kingdom	THALES DIS FRANCE SA	23 juin 2011	11730251.3	01 mai 2013	2585310	04 avr 2018	2585310	23 juin 2031	A SECURITY DOCUMENT AND A MANUFACTURING METHOD
STC0060-IT-EPT	Italy	THALES DIS FRANCE SA	23 juin 2011	11730251.3	01 mai 2013	2585310	04 avr 2018	502018000025971	23 juin 2031	A SECURITY DOCUMENT AND A MANUFACTURING METHOD
STC0060-MX-PCT	Mexico	THALES DIS FRANCE SA	23 juin 2011	MXA2012015296	06 déc 2013	MX2012015296	05 janv 2017	344759	23 juin 2031	A SECURITY DOCUMENT AND A MANUFACTURING METHOD
STC0060-NL-EPT	Netherlands	THALES DIS FRANCE SA	23 juin 2011	11730251.3	01 mai 2013	2585310	04 avr 2018	2585310	23 juin 2031	A SECURITY DOCUMENT AND A MANUFACTURING METHOD
STC0060-PL-EPT	Poland	THALES DIS FRANCE SA	23 juin 2011	11730251.3	01 mai 2013	2585310	04 avr 2018	2585310	23 juin 2031	A SECURITY DOCUMENT AND A MANUFACTURING METHOD
TDS0003-BE-EPA	Belgium	THALES DIS FRANCE SA	25 mars 2002	02006780.7	01 oct 2003	1349122	14 déc 2005	1349122	25 mars 2022	METHOD AND SYSTEM FOR USER AUTHENTICATION IN A DIGITAL COMMUNICATION SYSTEM
TDS0003-CN-PCT	China	THALES DIS FRANCE SA	25 mars 2003	2003806988.1	20 juil 2005	1643551	02 sept 2009	ZL2003806988.1	25 mars 2023	METHOD AND SYSTEM FOR USER AUTHENTICATION IN A DIGITAL COMMUNICATION SYSTEM
TDS0003-DE-EPA	Germany	THALES DIS FRANCE SA	25 mars 2002	02006780.7	01 oct 2003	1349122	14 déc 2005	1349122	25 mars 2022	METHOD AND SYSTEM FOR USER AUTHENTICATION IN A DIGITAL COMMUNICATION SYSTEM
TDS0003-ES-EPA	Spain	THALES DIS FRANCE SA	25 mars 2002	02006780.7	01 oct 2003	1349122	14 déc 2005	1349122	25 mars 2022	METHOD AND SYSTEM FOR USER AUTHENTICATION IN A DIGITAL COMMUNICATION SYSTEM
TDS0003-FR-EPA	France	THALES DIS FRANCE SA	25 mars 2002	02006780.7	01 oct 2003	1349122	14 déc 2005	1349122	25 mars 2022	METHOD AND SYSTEM FOR USER AUTHENTICATION IN A DIGITAL COMMUNICATION SYSTEM

TDS0003-GB-EPA	United Kingdom	THALES DIS FRANCE SA	25 mars 2002	02006780.7	01 oct 2003	1349122	14 déc 2005	1349122	25 mars 2022	METHOD AND SYSTEM FOR USER AUTHENTICATION IN A DIGITAL COMMUNICATION SYSTEM
TDS0003-IT-EPA	Italy	THALES DIS FRANCE SA	25 mars 2002	02006780.7	01 oct 2003	1349122	14 déc 2005	1349122	25 mars 2022	METHOD AND SYSTEM FOR USER AUTHENTICATION IN A DIGITAL COMMUNICATION SYSTEM
TDS0003-NL-EPA	Netherlands	THALES DIS FRANCE SA	25 mars 2002	02006780.7	01 oct 2003	1349122	14 déc 2005	1349122	25 mars 2022	METHOD AND SYSTEM FOR USER AUTHENTICATION IN A DIGITAL COMMUNICATION SYSTEM
TDS0003-SE-EPA	Sweden	THALES DIS FRANCE SA	25 mars 2002	02006780.7	01 oct 2003	1349122	14 déc 2005	1349122	25 mars 2022	METHOD AND SYSTEM FOR USER AUTHENTICATION IN A DIGITAL COMMUNICATION SYSTEM
TDS0003-TR-EPA	Turkey	THALES DIS FRANCE SA	25 mars 2002	02006780.7	01 oct 2003	1349122	14 déc 2005	1349122	25 mars 2022	METHOD AND SYSTEM FOR USER AUTHENTICATION IN A DIGITAL COMMUNICATION SYSTEM
TDS0003-US-PCT	United States Of America	THALES DIS FRANCE SA	25 mars 2003	10508605	29 sept 2005	20050216744	19 août 2008	7415615	28 juil 2024	METHOD AND SYSTEM FOR USER AUTHENTICATION IN A DIGITAL COMMUNICATION SYSTEM
TDS0004-AT-EPA	Austria	THALES DIS FRANCE SA	20 sept 2007	07116859.5	01 avr 2009	2043036	09 juin 2010	2043036	20 sept 2027	SYSTEM, METHOD AND DEVICE FOR ENABLING INTERACTION WITH DYNAMIC SECURITY
TDS0004-BE-EPA	Belgium	THALES DIS FRANCE SA	20 sept 2007	07116859.5	01 avr 2009	2043036	09 juin 2010	2043036	20 sept 2027	SYSTEM, METHOD AND DEVICE FOR ENABLING INTERACTION WITH DYNAMIC SECURITY
TDS0004-BR-PCT	Brazil	THALES DIS FRANCE SA	19 sept 2008	PI0816963.2	24 mars 2015	PI0816963.2	09 juil 2019	PI0816963-2	09 juil 2029	SYSTEM, METHOD AND DEVICE FOR ENABLING INTERACTION WITH DYNAMIC SECURITY
TDS0004-CN-PCT	China	THALES DIS FRANCE SA	19 sept 2008	200880107463.0	22 sept 2010	101842795	02 sept 2015	ZL200880107463.0	19 sept 2028	SYSTEM, METHOD AND DEVICE FOR ENABLING INTERACTION WITH DYNAMIC SECURITY
TDS0004-DK-EPA	Denmark	THALES DIS FRANCE SA	20 sept 2007	07116859.5	01 avr 2009	2043036	09 juin 2010	2043036	20 sept 2027	SYSTEM, METHOD AND DEVICE FOR ENABLING INTERACTION WITH DYNAMIC SECURITY
TDS0004-FR-EPA	France	THALES DIS FRANCE SA	20 sept 2007	07116859.5	01 avr 2009	2043036	09 juin 2010	2043036	20 sept 2027	SYSTEM, METHOD AND DEVICE FOR ENABLING INTERACTION WITH DYNAMIC SECURITY
TDS0004-GB-EPA	United Kingdom	THALES DIS FRANCE SA	20 sept 2007	07116859.5	01 avr 2009	2043036	09 juin 2010	2043036	20 sept 2027	SYSTEM, METHOD AND DEVICE FOR ENABLING INTERACTION WITH DYNAMIC SECURITY
TDS0004-MX-PCT	Mexico	THALES DIS FRANCE SA	19 sept 2008	PA2010003057	31 août 2010	PA2010003057	05 déc 2011	293170	19 sept 2028	SYSTEM, METHOD AND DEVICE FOR ENABLING INTERACTION WITH DYNAMIC SECURITY
TDS0004-NL-EPA	Netherlands	THALES DIS FRANCE SA	20 sept 2007	07116859.5	01 avr 2009	2043036	09 juin 2010	2043036	20 sept 2027	SYSTEM, METHOD AND DEVICE FOR ENABLING INTERACTION WITH DYNAMIC SECURITY
TDS0004-NO-PCT	Norway	THALES DIS FRANCE SA	19 sept 2008	20100563	21 juin 2010	20100563	12 mars 2018	341998	19 sept 2028	SYSTEM, METHOD AND DEVICE FOR ENABLING INTERACTION WITH DYNAMIC SECURITY
TDS0004-PL-EPA	Poland	THALES DIS FRANCE SA	20 sept 2007	07116859.5	01 avr 2009	2043036	09 juin 2010	2043036	20 sept 2027	SYSTEM, METHOD AND DEVICE FOR ENABLING INTERACTION WITH DYNAMIC SECURITY
TDS0004-SE-EPA	Sweden	THALES DIS FRANCE SA	20 sept 2007	07116859.5	01 avr 2009	2043036	09 juin 2010	2043036	20 sept 2027	SYSTEM, METHOD AND DEVICE FOR ENABLING INTERACTION WITH DYNAMIC SECURITY
TDS0004-TH-NP	Thailand	THALES DIS FRANCE SA	18 sept 2008	0801004787	04 déc 2009	99281	15 août 2018	64223	18 sept 2028	SYSTEM, METHOD AND DEVICE FOR ENABLING INTERACTION WITH DYNAMIC SECURITY
TRIV0005-US-NP	United States Of America	THALES DIS FRANCE SA	31 janv 2001	09772951	25 oct 2001	20010034718	13 juil 2010	7756748	19 oct 2028	APPLICATIONS OF AUTOMATIC INTERNET IDENTIFICATION METHODS
TRL0008-FR-NP	France	THALES DIS FRANCE SA	18 déc 2002	0216253	25 juin 2004	2849229	25 févr 2005	2849229	18 déc 2022	PROGRAM COMPACTION METHOD EMPLOYING DYNAMIC CODE DELETION
TRL0011-FR-NP	France	THALES DIS FRANCE SA	28 nov 2003	0313969	03 juin 2005	2863074	24 févr 2006	2863074	28 nov 2023	METHOD FOR SECURELY INTERRUPTING APPLICATIONS IN A DISTRIBUTED COMPUTER SYSTEM COMPRISING A SOFTWARE EXECUTING MACHINE

TRL0012-FR-NP	France	THALES DIS FRANCE SA	24 déc 2003	0315488	01 juil 2005	2864651	24 mars 2006	2864651	24 déc 2023	PROCEDE POUR LA SIMULATION D'UN ENVIRONNEMENT D'EXECUTION A L'AIDE DE TECHNIQUES D'INSTRUMENTATION DE CODE
TRL0014-DE-EPT	Germany	THALES DIS FRANCE SA	16 déc 2004	04821239.3	11 août 2005	1702268	14 nov 2018	602004053433.1	16 déc 2024	METHOD FOR CONTROLLING PROGRAM EXECUTION INTREGRITY BY VERIFYING EXECUTION TRACE PRINTS
TRL0014-FR-EPT	France	THALES DIS FRANCE SA	16 déc 2004	04821239.3	11 août 2005	1702268	14 nov 2018	1702268	16 déc 2024	METHOD FOR CONTROLLING PROGRAM EXECUTION INTREGRITY BY VERIFYING EXECUTION TRACE PRINTS
TRL0014-GB-EPT	United Kingdom	THALES DIS FRANCE SA	16 déc 2004	04821239.3	11 août 2005	1702268	14 nov 2018	1702268	16 déc 2024	METHOD FOR CONTROLLING PROGRAM EXECUTION INTREGRITY BY VERIFYING EXECUTION TRACE PRINTS
TRL0014-IN-PCT	India	THALES DIS FRANCE SA	16 déc 2004	3765/DELNP/2006					16 déc 2024	METHOD FOR CONTROLLING PROGRAM EXECUTION INTREGRITY BY VERIFYING EXECUTION TRACE PRINTS
TRL0014-JP-PCT	Japan	THALES DIS FRANCE SA	16 déc 2004	2006-546232	28 juin 2007	2007-517299	08 juil 2011	4777903	16 déc 2024	METHOD FOR CONTROLLING PROGRAM EXECUTION INTREGRITY BY VERIFYING EXECUTION TRACE PRINTS
TRL0014-US-PCT	United States Of America	THALES DIS FRANCE SA	16 déc 2004	10585140	18 mars 2010	20100070804	01 févr 2011	7882396	21 juin 2027	METHOD FOR CONTROLLING PROGRAM EXECUTION INTREGRITY BY VERIFYING EXECUTION TRACE PRINTS
TRL0015-CN-PCT	China	THALES DIS FRANCE SA;FRANCE TELECOM	17 déc 2004	0480041737.2	21 févr 2007	1918877			17 déc 2024	TELECOMMUNICATION TERMINAL COMPRISING TWO EXECUTION SPACES
TRL0015-DE-EPT	Germany	THALES DIS FRANCE SA;FRANCE TELECOM	17 déc 2004	04 816 419.8	04 août 2005	1 700 454	07 juil 2010	1 700 454	17 déc 2024	TELECOMMUNICATION TERMINAL COMPRISING TWO EXECUTION SPACES
TRL0015-ES-EPT	Spain	THALES DIS FRANCE SA;FRANCE TELECOM	17 déc 2004	04 816 419.8	04 août 2005	1 700 454	07 juil 2010	1 700 454	17 déc 2024	TELECOMMUNICATION TERMINAL COMPRISING TWO EXECUTION SPACES
TRL0015-FR-EPT	France	THALES DIS FRANCE SA;FRANCE TELECOM	17 déc 2004	04816419.8	04 août 2005	1700454	07 juil 2010	1700454	17 déc 2024	TELECOMMUNICATION TERMINAL COMPRISING TWO EXECUTION SPACES
TRL0015-GB-EPT	United Kingdom	THALES DIS FRANCE SA;FRANCE TELECOM	17 déc 2004	04 816 419.8	04 août 2005	1 700 454	07 juil 2010	1 700 454	17 déc 2024	TELECOMMUNICATION TERMINAL COMPRISING TWO EXECUTION SPACES
TRL0015-IT-EPT	Italy	THALES DIS FRANCE SA;FRANCE TELECOM	17 déc 2004	04 816 419.8	04 août 2005	1 700 454	07 juil 2010	1 700 454	17 déc 2024	TELECOMMUNICATION TERMINAL COMPRISING TWO EXECUTION SPACES
TRL0015-JP-PCT	Japan	THALES DIS FRANCE SA;FRANCE TELECOM	17 déc 2004	2006-546234	19 juil 2007	2007-519994	07 déc 2011	4833079	17 déc 2024	TELECOMMUNICATION TERMINAL COMPRISING TWO EXECUTION SPACES
TRL0015-KR-PCT	South Korea / Republic of Korea	THALES DIS FRANCE SA;FRANCE TELECOM	17 déc 2004	2006-7014951					17 déc 2024	TELECOMMUNICATION TERMINAL COMPRISING TWO EXECUTION SPACES
TRL0015-US-PCT	United States Of America	THALES DIS FRANCE SA;FRANCE TELECOM	17 déc 2004	10584702	07 févr 2008	20080032668	04 janv 2011	7865724	04 août 2027	TELECOMMUNICATION TERMINAL COMPRISING TWO EXECUTION SPACES
TRL0021-FR-NP	France	THALES DIS FRANCE SA	22 déc 2004	0413766	23 juin 2006	2879776	02 mars 2007	2879776	22 déc 2024	
TRL0027-CN-PCT	China	THALES DIS FRANCE SA	22 juin 2010	1080037628.9	30 mai 2012	102483781	13 mai 2013	ZL1080037628.9	22 juin 2030	DATA VERIFICATION METHOD
TRL0027-DE-EPT	Germany	THALES DIS FRANCE SA	22 juin 2010	10742079.6	02 mai 2012	2446388	14 nov 2018	602010055087.7	22 juin 2030	DATA VERIFICATION METHOD
TRL0027-FR-EPT	France	THALES DIS FRANCE SA	22 juin 2010	10742079.6	02 mai 2012	2446388	14 nov 2018	2446388	22 juin 2030	DATA VERIFICATION METHOD
TRL0027-GB-EPT	United Kingdom	THALES DIS FRANCE SA	22 juin 2010	10742079.6	02 mai 2012	2446388	14 nov 2018	2446388	22 juin 2030	DATA VERIFICATION METHOD
TRL0027-JP-PCT	Japan	THALES DIS FRANCE SA	22 juin 2010	2012-516562	06 déc 2012	2012-530983	22 mai 2015	5749257	22 juin 2030	DATA VERIFICATION METHOD

TRL0027-KR-PCT	South Korea / Republic of Korea	THALES DIS FRANCE SA	22 juin 2010	2012-7001735	23 oct 2012	12-116898	29 mars 2017	101723001	22 juin 2030	DATA VERIFICATION METHOD
TRL0027-US-PCT	United States Of America	THALES DIS FRANCE SA	22 juin 2010	13380847	03 mai 2012	20120110336	06 mai 2014	8719580	06 oct 2030	DATA VERIFICATION METHOD
TRL0029-FR-NP	France	THALES DIS FRANCE SA	01 févr 2002	0201435	08 août 2003	2835671	16 juil 2004	2835671	01 févr 2022	METHOD AND DEVICE FOR SECURING MESSAGES EXCHANGED IN A NETWORK
TRL0031-CN-PCT	China	THALES DIS FRANCE SA	23 déc 2003	0380107490.5	08 févr 2006	1732483	02 avr 2008	ZL0380107490.5	23 déc 2023	METHOD OF SECURING COMPUTER SYSTEMS BY MEANS OF SOFTWARE CONTAINMENT
TRL0031-FR-NP	France	THALES DIS FRANCE SA	24 déc 2002	0216933	25 juin 2004	2849233	20 mai 2005	2849233	24 déc 2022	METHOD OF SECURING COMPUTER SYSTEMS BY MEANS OF SOFTWARE CONTAINMENT
TRL0033-FR-NP	France	THALES DIS FRANCE SA	24 déc 2003	0315489	01 juil 2005	2864657	24 mars 2006	2864657	24 déc 2023	PROCEDE POUR LE CONTROLE PARAMETRABLE DE LA SECURITE DE SYSTEMES INFORMATIQUES ET SYSTEMES EMBARQUES METTANT EN OEUvre L'EDIT PROCEDE
TRL0049-DE-EPT	Germany	THALES DIS FRANCE SA	03 nov 2010	10781422.0	12 sept 2012	2497055	18 juil 2018	602010052032.3	03 nov 2030	SECURE PORTABLE OBJECT
TRL0049-ES-EPT	Spain	THALES DIS FRANCE SA	03 nov 2010	10781422.0	12 sept 2012	2497055	18 juil 2018	2497055	03 nov 2030	SECURE PORTABLE OBJECT
TRL0049-FR-EPT	France	THALES DIS FRANCE SA	03 nov 2010	10781422.0	12 sept 2012	2497055	18 juil 2018	2497055	03 nov 2030	SECURE PORTABLE OBJECT
TRL0049-GB-EPT	United Kingdom	THALES DIS FRANCE SA	03 nov 2010	10781422.0	12 sept 2012	2497055	18 juil 2018	2497055	03 nov 2030	SECURE PORTABLE OBJECT
TRL0049-IT-EPT	Italy	THALES DIS FRANCE SA	03 nov 2010	10781422.0	12 sept 2012	2497055	18 juil 2018	502018000031355	03 nov 2030	SECURE PORTABLE OBJECT
TRL0049-JP-PCT	Japan	THALES DIS FRANCE SA	03 nov 2010	2012-537321	21 mars 2013	2013-510352	05 sept 2014	5607170	03 nov 2030	SECURE PORTABLE OBJECT
TRL0049-KR-PCT	South Korea / Republic of Korea	THALES DIS FRANCE SA	03 nov 2010	2012-7014514	20 juil 2012	12-82027	19 déc 2013	1345414	03 nov 2030	SECURE PORTABLE OBJECT
TRL0049-NL-EPT	Netherlands	THALES DIS FRANCE SA	03 nov 2010	10781422.0	12 sept 2012	2497055	18 juil 2018	2497055	03 nov 2030	SECURE PORTABLE OBJECT
TRL0049-US-PCT	United States Of America	THALES DIS FRANCE SA	03 nov 2010	13505025	23 août 2012	20120216276	12 avr 2016	9311588	03 nov 2030	SECURE PORTABLE OBJECT
	United-Kingdom	THALES DIS FRANCE SA	24-avr-20	2006063.8						METHOD AND SYSTEM FOR TRAINING A MACHINE LEARNING MODEL
DIS0291-EP-EPA	European Procedure (Patents)	THALES DIS FRANCE SA (DIS);THALES (TIS)	12 avr 2021	21305478.6					12 avr 2041	A SYSTEM FOR RECEIVING BY A GNB A LOCATION INFORMATION, CORRESPONDING DECIPHERING SERVER AND GNSS CHIPSET
DIS0244-EP-EPA	European Procedure (Patents)	THALES DIS FRANCE SA (DIS)	14 avr 2021	21305490.1					14 avr 2041	METHOD FOR MANAGING A SMART CARD
DIS0247-EP-EPA	European Procedure (Patents)	THALES DIS FRANCE SA (DIS)	15 avr 2021	21305496.8					15 avr 2041	METHOD FOR CONTROLLING A SMART CARD
DIS0289-EP-EPA	European Procedure (Patents)	THALES DIS FRANCE SA (DIS)	16 avr 2021	21305502.3					16 avr 2041	Foil card made from recycled raw materials
DIS0250-EP-EPA	European Procedure (Patents)	THALES DIS FRANCE SA (DIS)	19 avr 2021	21305515.5					19 avr 2041	A METHOD FOR GRANTING A USER ACCESS THROUGH A USER ACCESS DEVICE HOSTING A CLIENT APPLICATION TO A SERVICE COMING FROM A SET OF SERVICES OF A SERVER APPLICATION HOSTED BY A DISTANT SERVER



Letter accompanying subsequently filed items

Representative:

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The document(s) listed below is (are) subsequently filed documents pertaining to the following application:

Application number

08771236.0

Applicant's or representative's reference

MMM0054EP

	Description of document	Original file name	Assigned file name
1	Request for assignment	EP Filings for Transfer SAS02_11.pdf	CDAPPR-RFA-2.pdf
2	Request for assignment	Confirmatory TDFR SA_TDFR SAS_EPO.pdf	CDAPPR-RFA-3.pdf
3	Request for transfer of rights	Record_EPO_THALES DIS Fr_SAS.pdf	CDAPPR-TOR-1.pdf

	Fees	Factor applied	Fee schedule	Amount to be paid
15-1	022 Fee for registering a transfer	1	105.00	105.00
	Total:		EUR	105.00

	Payment	
1	Method of payment	Debit from deposit account
	Currency:	EUR
	The European Patent Office is hereby authorised, to debit from the deposit account with the EPO any fees and costs indicated on the fees page.	
	Deposit account number:	28040233
	Account holder:	THALES DIS FRANCE SA
2	Refund/Reimbursement	
	Reimbursement (if any) to be made to EPO deposit account:	28040233
	Account holder:	THALES DIS FRANCE SA

Annotations

Payment for listed Applications by Muttipay Tool on EPO Online Services(Djouher Ghezali; 03.11.2021)

1. Remark(Annotate)

MMM0054EP

Dear Madam, Dear Sir,

Please be informed that we are proceeding at the same time at the payment by Batch xml for all listed Applications and Patents, by debiting our EPO account on EPO Online Services.

Thank you for your support,

Best Regards,

Djouher

Signatures

Place:	LA CIOTAT
Date:	03 November 2021
Signed by:	Emmanuel Grevin 17228
Representative name:	Emmanuel GREVIN
Capacity:	(Representative)

MMM0054EP

Thales DIS France SAS
6, rue de la Verrerie
92197, Meudon Cedex
France

EUROPEAN PATENT OFFICE
EPO Legal Division (Dir.5.2.3)
80298 MUNICH

La Ciotat, November 3 2021

Re: Request for Assignment registration
Applicant/Co-Applicant/Owner currently registered: THALES DIS FRANCE SA
New Owner: **THALES DIS FRANCE SAS**

**List of European Patent Applications/Granted EP Patents enclosed
(181 EP Applications/Patents)**

EP Application N°08771236.0 (Publication N° 2165224)
Filed June 17 2008
File re: MMM0054EP

Dear Madam, Dear Sir,

We hereby respectfully request the registration of Transfer of rights as follows:

From Applicant Assignor:

THALES DIS FRANCE SA
6, rue de la Verrerie – 92190 MEUDON - FRANCE

To new Assignee Applicant/owner:

THALES DIS FRANCE SAS
6, rue de la Verrerie – 92190 MEUDON - FRANCE

To this end, we enclose:

- Confirmatory Assignment between THALES DIS FRANCE SA to THALES DIS FRANCE SAS (list of applications classified in alphabetical order by reference number).

Payment of required fee (amount €105) for each European Application/Patent is being settled by debiting our Account N°**28040233**, using EPO Multipay Tool software on EPO Online Services payment.

Thanking you in advance,
Receive our Best Regards,

Emmanuel GREVIN
European Patent Attorney



Acknowledgement of receipt

We hereby acknowledge receipt of the following subsequently filed document(s):

Submission number	10342441	
Application number	EP18800679.5	
Date of receipt	29 October 2021	
Filing Office	European Patent Office, The Hague	
Procedural phase	Examination	
Your reference	GMT3707 EPT/MQ	
Documents submitted	package-data.xml ep-cms-sfd-request.pdf (1 p.)	ep-cms-sfd-request.xml EXRE92-1.pdf2-1. GMT3707 EPT_Request for Extension of Time.pdf (1 p.)
Submitted by	CN=secure.epoline.org	
Method of submission	Online	
Date and time receipt generated	29 October 2021, 16:28 (CEST)	
Message Digest	AE:E4:E4:57:DC:D2:39:1B:B3:8E:5A:F2:67:44:5F:2E:FB:1C:C5:FD	

/European Patent Office/



Letter accompanying subsequently filed items

Representative:

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The document(s) listed below is (are) subsequently filed documents pertaining to the following application:

Application number and/or EP publication number

EP18800679.5

Reference

GMT3707 EPT/MQ

Procedural phase

Examination

Name of represented party

THALES DIS FRANCE SA

	Description of document	Original file name	Assigned file name
1	Request for extension of time limit	2-1. GMT3707 EPT_Request for Extension of Time.pdf	EXRE92-1.pdf

Signature 1

Place: Meudon
Date: 29 October 2021
Signed by: /Manuel Quintero/
Capacity: Representative 1

Smart card certificate 1

Common name: Yacine Lotaut 34912
EPO ID: 34912
Issued by: European Patent Office CA G2

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EUROPEAN PATENT OFFICE

D-80298 MUNCHEN
ALLEMAGNE

Meudon, October 29, 2021

O/Ref.:

GMT3707 EPT/MQ

European Patent Application No.

18800679.5 - 1218

Filed on

19 Nov 2018

Owner

THALES DIS FRANCE SA

Re: Communication pursuant to Article 94.3 (EPC)

Dear Madam, Dear Sir,

The applicant refers to the communication of the EPO pursuant to Article 94(3) EPC dated July 06, 2021 and requires an extension of the time limit by a further two months.

We thank you in advance and remain.

Yours Faithfully,

Manuel QUINTERO
European Patent Attorney
Tel: +33 155016194
Email: intellectual.property@thalesgroup.com

Datum
Date 06.07.2021
Date

Blatt
Sheet 1
Feuille

Anmelde-Nr:
Application No.: 18 800 679.5
Demande n°:

The examination is being carried out on the **following application documents**

Description, Pages

1-20 as published

Claims, Numbers

1-10 as amended on 04 July 2019 under Article 19 PCT replacing the originally filed claims (as declared in request for entering EP phase)

Drawings, Sheets

1/2, 2/2 as published

1 The following documents are cited by the Examiner . A copy of the documents is annexed to the communication and the numbering will be adhered to in the rest of the procedure.

D4 US 2015/096023 A1 (MESDAQ ALI [US] ET AL) 2 April 2015 (2015-04-02)

D5 US 2016/323243 A1 (LEVASSEUR THIERRY [CA] ET AL) 3 November 2016 (2016-11-03)

D6 US 9 594 906 B1 (LANGTON JACOB ASHER [US] ET AL) 14 March 2017 (2017-03-14)

2 Examination is based on the claims set filed 19 November 2018 (see also section 8.1 below).

3 The subject-matter of claim 8 lacks an inventive step (Article 56 EPC):

3.1 Document D4 discloses according to the subject-matter of claim 8:

A first authentication device (Fig. 2 "110"), characterized in that the first authentication device is configured to:

- collect, based on a predetermined authentication policy, at least one context data element (§ 49 "...at operation with receipt of a suspect object to be classified.");

- constitute, based on the at least one collected context data element, a data packet (§ 59 "...to generate scrubbed behaviour data ...");
- generate, by using a predetermined hash type algorithm and the data packet, as input to the predetermined hash type algorithm, a hash (§ 60 "...a fuzzy hash for suspect object may be generated...").

3.2 The subject-matter of claim 8 differs from D4 in that:

- send to a second authentication device the generated hash.

3.3 The problem to be solved is of how improve detection of malicious data for improving data security / network security.

3.4 The person skilled in the art would regard it as straight forward design measure to send generated hashes or fuzzy hashed to other device just to provide them the same basis for countering against malicious data. Thus, the skilled person would arrive at the subject-matter of claim 8 without being inventive.

4 The subject-matter of claim 9 lacks an inventive step (Article 58 EPC):

4.1 Document D4 discloses according to the subject-matter of claim 9:

A ~~second~~ authentication device (Fig. 2 "237"), characterized in that the ~~second~~ authentication device is configured to:

- receive a generated hash (§ 63 "...operation may compare..." implies receiving generated hash, otherwise comparison is not possible);
- generate a hash distance between the generated hash and a predetermined reference hash (§ 63 "This comparison may be performed using the comparison logic 237 of MCD system 110"); and
- authenticate successfully or not based on the generated hash distance (§ 66 "...to distinguish between "good" and "bad"...").

4.2 The subject-matter of claim 9 differs from D4 in that:

- a second device is authenticating

4.3 The problem to be solved is of how improve detection of malicious data for improving data security / network security.

- 4.4 The person skilled in the art would regard it as straight forward design measure to send generated hashes or fuzzy hashed to other device just to provide them the same basis for countering against malicious data. Thus, the skilled person would arrive at the subject-matter of claim 8 without being inventive.
- 5 The subject-matter of claims 1 and 10 corresponds to the combination of claims 8 and 9. Thus, the subject-matter of claim 10 lacks an inventive step (Article 56 EPC) for the same reason.
- 6 The teaching of each of D5 (e.g. §§ 5, 6, 71 - 74) and D6 (e.g. col. 1 line 35 - 48; col. 8 line 25 - 35; col. 9 line 5 - 31) is also very pertinent regarding the subject-matter of independent claim 1 and 8 - 10, as each of said documents discloses the main features of such independent claims. The argumentation, why the subject-matter of claim 1 and 8 - 10 is not inventive over each of D5 and D6 is similar to the argumentation if starting from document D4.
- 7 The additional features of the dependent claims do not add anything new or inventive to the independent claims as these features are either known from the above-mentioned prior art D4 - D6 (e.g. comparing score to a predetermined threshold value; score based authentication; weighting; grouping; ciphering; HMAC) or are common measures (e.g. sorting).
- 8 The following points should also be taken into consideration.
- 8.1 The set of claims 1-15 as originally filed is comprised on pages 21-24 of the published application. These pages should be deleted, such that the application comprises only the last set of claims.
- 8.2 Document D1 should be cited and briefly discussed in the opening part of the description (Rule 42(1)(b) EPC).
- 8.3 If new independent claims are filed, the description should be adapted accordingly (Rule 42(1)(c) EPC).
- 8.4 If new independent claims are filed, these claims should be formulated in the two-part form according to Rule 43(1) EPC vis-à-vis D1. When filing amended claims the applicant should at the same time bring the description into conformity with the amended claims (Rule 42(1)(c) EPC). Care should be taken during revision, especially of the introductory portion and any statements of problem or advantage, not to add subject-matter which extends beyond the content of the application as originally filed (Article 123(2) EPC).
- 8.5 If amendments are carried out, the applicant is kindly requested to indicate which part of the original application provides support (Article 123(2) EPC).



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Substantive Examiner
Name: Kopp, Klaus
Tel: +49 89 2399 - 7833

Application No. 18 800 679.5 - 1218	Ref. GMT3707 DD/EG	Date 06.07.2021
Applicant THALES DIS FRANCE SA		

Communication pursuant to Article 94(3) EPC

The examination of the above-identified application has revealed that it does not meet the requirements of the European Patent Convention for the reasons enclosed herewith. If the deficiencies indicated are not rectified the application may be refused pursuant to Article 97(2) EPC.

You are invited to file your observations and insofar as the deficiencies are such as to be rectifiable, to correct the indicated deficiencies within a period

of 4 months

from the notification of this communication, this period being computed in accordance with Rules 126(2) and 131(2) and (4) EPC. One set of amendments to the description, claims and drawings is to be filed within the said period on separate sheets (R. 50(1) EPC).

If filing amendments, you must identify them and indicate the basis for them in the application as filed. Failure to meet either requirement may lead to a communication from the Examining Division requesting that you correct this deficiency (R. 137(4) EPC).

In case you withdraw the application within the above-mentioned period, the examination fee will be refunded at a rate of 50% (Art. 11 (b) RFees).

Failure to comply with this invitation in due time will result in the application being deemed to be withdrawn (Art. 94(4) EPC).



Kopp, Klaus
Primary Examiner
For the Examining Division

Enclosure(s): 3 page/s reasons (Form 2906)
US-20150096023-A1, US-20160323243-A1, US-9594906-B1



Application No.: 18800679.5

Substantive examination has started on 29.06.21 (see Notice from the European Patent Office dated 29.01.2013, OJ EPO 2013, 153).

For the Examining Division



European Patent Office
80298 MUNICH
GERMANY

Questions about this communication ?
Contact Customer Services at www.epo.org/contact



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Date
07.10.20

Reference: GMT3707 DD/EG	Application No./Patent No. 18800679.5 - 1218 / 3732600
Applicant/Proprietor THALES DIS FRANCE SA	

Communication of European publication number and information on the application of Article 67(3) EPC

Provisional protection under Article 67(1) and (2) EPC in the individual contracting states becomes effective when the conditions referred to in Article 67(3) EPC have been fulfilled. Provisional protection in the individual extension and validation states is governed by the national laws of the countries concerned. For more details, see Chapter III of the EPO brochure "National Law relating to the EPC" (www.epo.org/law-practice/legal-texts/national-law.html), which also contains information about the extension and validation system. Further information can also be found in the Official Journal of the European Patent Office.

Pursuant to Article 153(3) EPC the publication under Article 21 PCT of an international application for which the European Patent Office is a designated or elected Office takes the place of the publication of a European patent application.

The bibliographic data of the above-mentioned Euro-PCT application will be published on 04.11.20 in Section I.1 of the European Patent Bulletin. The European publication number is 3732600.

In all future communications to the European Patent Office, please quote the application number plus Directorate number.

For the Examining Division





European Patent Office
80298 MUNICH
GERMANY

Questions about this communication ?
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Date
07.08.20

Reference: GMT3707 DD/EG	Application No./Patent No. 18800679.5 - 1218
Applicant/Proprietor THALES DIS FRANCE SA	

Communication pursuant to Rules 161(1) and 162 EPC

1. Comments on the written opinion and amendment of the application (R. 161(1) EPC)

The above-mentioned international (Euro-PCT) application has entered the European phase.

The EPO as International Searching Authority and, where a demand under Article 31 PCT was filed, also as International Preliminary Examining Authority has drawn up a written opinion on this application or the EPO as Supplementary International Searching Authority has issued explanations pursuant to Rule 45bis.7(e) PCT to the supplementary international search report.

In accordance with Rule 161(1) EPC, you may comment on the written opinion or on the explanations to the supplementary international search report within a **non-extendable period of six months** after notification of the present communication.

Under Articles 28, 41 PCT and Rules 52, 78 PCT the application may be amended before a designated or elected Office, and in accordance with Rule 137(2) EPC the applicant may amend the description, claims and drawings of his own volition together with any comments, corrections or amendments made in response to the communication under Rule 161(1) EPC.

Whether or not you have already done so, you now have a further opportunity to file amended claims or other application documents within the above-mentioned period.

Please note that under Rule 137(2) and (3) EPC as in force from 1 April 2010, you may amend the description, claims and drawings of your own volition in response to this communication, if the international search report has been drawn up on or after 1 April 2010 or the EPO has issued a supplementary international search report. In these cases no further amendments may be made without the consent of the Examining Division. This may be in particular relevant if you have already filed comments/amendments with respect to a written opinion of the International Searching Authority or an international preliminary examination report, or to any explanations pursuant to Rule 45bis.7(e) PCT to the supplementary international search report, which however do not address the deficiencies noted therein and you choose not to react to the present communication.

If filing amendments, you must identify them and indicate the basis for them in the application as filed. Failure to meet either requirement may lead to a communication from the Examining Division requesting that you correct this deficiency (R. 137(4) EPC).

The claims applicable on expiry of this period, i.e. those filed on entry into the European phase or in response to the present communication, will form the basis for the calculation of any claims fee to be paid (see p. 2).

2. Claims fees under Rule 162 EPC

If the application documents on which the European grant procedure is to be based comprise more than fifteen claims, a claims fee shall be payable for the sixteenth and each subsequent claim within the period provided for in Rule 159(1) EPC.

- ☒ Based on the application documents currently on file, all necessary claims fees have already been paid (or the documents do not comprise more than 15 claims).
- ☐ All necessary fees will be debited automatically according to the automatic debit order.
- ☐ The claims fees due for the claims to were not paid within the above-mentioned period.

Any outstanding claims fee, either based on the current set of claims or on any amended claims to be filed pursuant to Rule 161 EPC (see page 1), may still be validly paid within a **non-extendable period of six months** after notification of this communication (R. 162(2) EPC).

If a payment is made for only some of the claims, you must indicate for which claims it is intended. If a claims fee is not paid in due time, the claim concerned is deemed to be abandoned (R. 162(4) EPC).

If claims fees have already been paid, but on expiry of the above-mentioned period there is a new set of claims containing fewer fee-incurring claims than before, the claims fees in excess of those due under Rule 162(2), second sentence EPC will be refunded (R. 162(3) EPC).

The claims fee is currently

EUR 245 for the 16th and each subsequent claim up to the limit of 50
EUR 610 for the 51st and each subsequent claim

Making payments

For payments made via deposit account, please note that as from 1 December 2017 debit orders will only be carried out if filed in an electronically processable format (xml), using an accepted means of filing as laid down in the Arrangements for deposit accounts (ADA), published in the Supplementary publication in the Official Journal.

All relevant information related to the modes of payment of fees to the EPO can be retrieved from the EPO website at "**Making Payments**".

Information concerning fee amounts

Procedural fees are usually adjusted every two years, on even years, with effect from 1 April. Therefore, before making a payment, parties should verify the amounts actually due on the date of payment using the applicable version of the Schedule of fees and expenses, published as a Supplement to the Official Journal of the EPO, available on the EPO website (www.epo.org) at www.epo.org/schedule-of-fees. The "Schedule of fees" table allows the viewing, downloading and searching of individual fee amounts, both current and previous.

Important note to users of the automatic debiting procedure

Unless the EPO receives prior instructions to the contrary, the fees for all claims incurring fees will be debited on the last day of the period for payment.

For the Examining Division





European Patent Office
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FRANCE

Date
05.08.20

Reference	Application No./Patent No. 18800679.5 - 1218
Applicant/Proprietor THALES DIS FRANCE SA	

Notification of the data mentioned in Rule 19(3) EPC

In the above-identified patent application you are designated as inventor/co-inventor.
Pursuant to Rule 19(3) EPC the following data are notified herewith:

DATE OF FILING	: 19.11.18
PRIORITY	: EP/29.12.17/ EPA 17306977
TITLE	: AUTHENTICATION METHOD, DEVICE AND SYSTEM
DESIGNATED STATES	: AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

For the Examining Division





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13881 GEMENOS Cedex
FRANCE

Date
05.08.20

Reference	Application No./Patent No. 18800679.5 - 1218
Applicant/Proprietor THALES DIS FRANCE SA	

Notification of the data mentioned in Rule 19(3) EPC

In the above-identified patent application you are designated as inventor/co-inventor.
Pursuant to Rule 19(3) EPC the following data are notified herewith:

DATE OF FILING	: 19.11.18
PRIORITY	: EP/29.12.17/ EPA 17306977
TITLE	: AUTHENTICATION METHOD, DEVICE AND SYSTEM
DESIGNATED STATES	: AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

For the Examining Division





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Date
05.08.20

Reference	Application No./Patent No. 18800679.5 - 1218
Applicant/Proprietor THALES DIS FRANCE SA	

Notification of the data mentioned in Rule 19(3) EPC

In the above-identified patent application you are designated as inventor/co-inventor.
Pursuant to Rule 19(3) EPC the following data are notified herewith:

DATE OF FILING	: 19.11.18
PRIORITY	: EP/29.12.17/ EPA 17306977
TITLE	: AUTHENTICATION METHOD, DEVICE AND SYSTEM
DESIGNATED STATES	: AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

For the Examining Division



EUROPEAN SEARCH REPORT

Application Number:
EP 17 30 6977

DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (IPC)
A	EP 2 924 603 A2 (FMR LLC [US]) 30 September 2015 (2015-09-30) * abstract; figures 1-6 * * paragraph [0005] - paragraph [0012] * * paragraph [0035] - paragraph [0037] * -----	1-15	INV. G06F21/32 G06F21/35
A	WO 2016/083216 A1 (GEMALTO SA [FR]) 2 June 2016 (2016-06-02) * abstract; figures 1-2 * * page 1, line 23 - page 4, line 16 * -----	1-15	
A	US 2017/109514 A1 (CHENG HUI [US] ET AL) 20 April 2017 (2017-04-20) * abstract; figures 1-11 * * paragraph [0017] - paragraph [0031] * -----	1-15	
			TECHNICAL FIELDS SEARCHED (IPC)
			G06F
The present search report has been drawn up for all claims			
Place of search Munich		Date of completion of the search 5 June 2018	Examiner Harms, Christoph
CATEGORY OF CITED DOCUMENTS X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document		T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document	

1
EPO FORM 1503 03-02 (P04CO1)

**ANNEX TO THE EUROPEAN SEARCH REPORT
ON EUROPEAN PATENT APPLICATION NO.**

EP 17 30 6977

This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report.
The members are as contained in the European Patent Office EDP file on
The European Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

05-06-2018

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
EP 2924603 A2	30-09-2015	CA 2886136 A1	25-09-2015
		CN 105117622 A	02-12-2015
		EP 2924603 A2	30-09-2015
		JP 5856330 B2	09-02-2016
		JP 2015185175 A	22-10-2015
		US 8941741 B1	27-01-2015
WO 2016083216 A1	02-06-2016	EP 3026923 A1	01-06-2016
		WO 2016083216 A1	02-06-2016
US 2017109514 A1	20-04-2017	US 2016182503 A1	23-06-2016
		US 2017109514 A1	20-04-2017



European Patent Office
80298 MUNICH
GERMANY
Tel: +49 89 2399 0
Fax: +49 89 2399 4465

Application No.:

17 306 977.4

The application and the invention to which it relates seem to meet the requirements of the EPC. Upon presence of a valid request for examination and consideration by the examining division, a communication under Rule 71(3) EPC may be issued.

The further procedure with respect to this application is dependent upon the result of the search for prior art under Article 54(3) EPC* which will be carried out at least 18 months from the date of filing of the application under consideration. If such prior art is found, a communication under Rule 71(1) EPC will be sent. The communication under Rule 71(3) EPC can be issued only after that search has been carried out and if no such prior art is found.

* It is to be noted that Article 54(4) EPC 1973 continues to apply to European patent applications still pending, filed before 13.12.2007

PATENT COOPERATION TREATY

PCT

INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

(Chapter I of the Patent Cooperation Treaty)

(PCT Rule 44bis)

Applicant's or agent's file reference GMT3707WO/DD	FOR FURTHER ACTION		See item 4 below
International application No. PCT/EP2018/081759	International filing date (<i>day/month/year</i>) 19 November 2018 (19.11.2018)	Priority date (<i>day/month/year</i>) 29 December 2017 (29.12.2017)	
International Patent Classification (8th edition unless older edition indicated) See relevant information in Form PCT/ISA/237			
Applicant THALES DIS FRANCE SA			

<p>1. This international preliminary report on patentability (Chapter I) is issued by the International Bureau on behalf of the International Searching Authority under Rule 44 bis.1(a).</p> <p>2. This REPORT consists of a total of 7 sheets, including this cover sheet.</p> <p>In the attached sheets, any reference to the written opinion of the International Searching Authority should be read as a reference to the international preliminary report on patentability (Chapter I) instead.</p>																										
<p>3. This report contains indications relating to the following items:</p> <table border="0"> <tr> <td>☒</td> <td>Box No. I</td> <td>Basis of the report</td> </tr> <tr> <td>☐</td> <td>Box No. II</td> <td>Priority</td> </tr> <tr> <td>☐</td> <td>Box No. III</td> <td>Non-establishment of opinion with regard to novelty, inventive step and industrial applicability</td> </tr> <tr> <td>☐</td> <td>Box No. IV</td> <td>Lack of unity of invention</td> </tr> <tr> <td>☒</td> <td>Box No. V</td> <td>Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement</td> </tr> <tr> <td>☐</td> <td>Box No. VI</td> <td>Certain documents cited</td> </tr> <tr> <td>☐</td> <td>Box No. VII</td> <td>Certain defects in the international application</td> </tr> <tr> <td>☐</td> <td>Box No. VIII</td> <td>Certain observations on the international application</td> </tr> </table> <p>4. The International Bureau will communicate this report to designated Offices in accordance with Rules 44bis.3(c) and 93bis.1 but not, except where the applicant makes an express request under Article 23(2), before the expiration of 30 months from the priority date (Rule 44bis .2).</p>			☒	Box No. I	Basis of the report	☐	Box No. II	Priority	☐	Box No. III	Non-establishment of opinion with regard to novelty, inventive step and industrial applicability	☐	Box No. IV	Lack of unity of invention	☒	Box No. V	Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement	☐	Box No. VI	Certain documents cited	☐	Box No. VII	Certain defects in the international application	☐	Box No. VIII	Certain observations on the international application
☒	Box No. I	Basis of the report																								
☐	Box No. II	Priority																								
☐	Box No. III	Non-establishment of opinion with regard to novelty, inventive step and industrial applicability																								
☐	Box No. IV	Lack of unity of invention																								
☒	Box No. V	Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement																								
☐	Box No. VI	Certain documents cited																								
☐	Box No. VII	Certain defects in the international application																								
☐	Box No. VIII	Certain observations on the international application																								

<p>The International Bureau of WIPO 34, chemin des Colombettes 1211 Geneva 20, Switzerland</p> <p>Facsimile No. +41 22 338 82 70</p>		<p>Date of issuance of this report 30 June 2020 (30.06.2020)</p> <p>Authorized officer Nora Lindner</p> <p>e-mail: pct.team5@wipo.int</p>
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Form PCT/IB/373 (January 2004)

PATENT COOPERATION TREATY

From the
INTERNATIONAL SEARCHING AUTHORITY

PCT

To:

see form PCT/ISA/220

WRITTEN OPINION OF THE
INTERNATIONAL SEARCHING AUTHORITY
(PCT Rule 43bis.1)

Date of mailing
(day/month/year) see form PCT/ISA/210 (second sheet)

Applicant's or agent's file reference
see form PCT/ISA/220

FOR FURTHER ACTION
See paragraph 2 below

International application No.
PCT/EP2018/081759

International filing date (day/month/year)
19.11.2018

Priority date (day/month/year)
29.12.2017

International Patent Classification (IPC) or both national classification and IPC
INV. G06F21/32 G06F21/35

Applicant
GEMALTO SA

1. This opinion contains indications relating to the following items:

- ☒ Box No. I Basis of the opinion
- ☐ Box No. II Priority
- ☐ Box No. III Non-establishment of opinion with regard to novelty, inventive step and industrial applicability
- ☐ Box No. IV Lack of unity of invention
- ☒ Box No. V Reasoned statement under Rule 43bis.1(a)(i) with regard to novelty, inventive step and industrial applicability; citations and explanations supporting such statement
- ☐ Box No. VI Certain documents cited
- ☐ Box No. VII Certain defects in the international application
- ☐ Box No. VIII Certain observations on the international application

2. **FURTHER ACTION**

If a demand for international preliminary examination is made, this opinion will usually be considered to be a written opinion of the International Preliminary Examining Authority ("IPEA") except that this does not apply where the applicant chooses an Authority other than this one to be the IPEA and the chosen IPEA has notified the International Bureau under Rule 66.1bis(b) that written opinions of this International Searching Authority will not be so considered.

If this opinion is, as provided above, considered to be a written opinion of the IPEA, the applicant is invited to submit to the IPEA a written reply together, where appropriate, with amendments, before the expiration of 3 months from the date of mailing of Form PCT/ISA/220 or before the expiration of 22 months from the priority date, whichever expires later.

For further options, see Form PCT/ISA/220.

Name and mailing address of the ISA:



European Patent Office
D-80298 Munich
Tel. +49 89 2399 - 0
Fax: +49 89 2399 - 4465

Date of completion of
this opinion

see form
PCT/ISA/210

Authorized Officer

Harms, Christoph

Telephone No. +49 89 2399-0



**WRITTEN OPINION OF THE
INTERNATIONAL SEARCHING AUTHORITY**

International application No.
PCT/EP2018/081759

Box No. I Basis of the opinion

1. With regard to the **language**, this opinion has been established on the basis of:
 - ☒ the international application in the language in which it was filed.
 - ☐ a translation of the international application into , which is the language of a translation furnished for the purposes of international search (Rules 12.3(a) and 23.1 (b)).
2. ☐ This opinion has been established taking into account the **rectification of an obvious mistake** authorized by or notified to this Authority under Rule 91 (Rule 43bis.1(a))
3. ☐ With regard to any **nucleotide and/or amino acid sequence** disclosed in the international application, this opinion has been established on the basis of a sequence listing:
 - a. ☐ forming part of the international application as filed:
 - ☐ in the form of an Annex C/ST.25 text file.
 - ☐ on paper or in the form of an image file.
 - b. ☐ furnished together with the international application under PCT Rule 13ter.1(a) for the purposes of international search only in the form of an Annex C/ST.25 text file.
 - c. ☐ furnished subsequent to the international filing date for the purposes of international search only:
 - ☐ in the form of an Annex C/ST.25 text file (Rule 13ter.1(a)).
 - ☐ on paper or in the form of an image file (Rule 13ter.1(b) and Administrative Instructions, Section 713).
4. ☐ In addition, in the case that more than one version or copy of a sequence listing has been filed or furnished, the required statements that the information in the subsequent or additional copies is identical to that forming part of the application as filed or does not go beyond the application as filed, as appropriate, were furnished.
5. Additional comments:

**WRITTEN OPINION OF THE
INTERNATIONAL SEARCHING AUTHORITY**

International application No.
PCT/EP2018/081759

Box No. V Reasoned statement under Rule 43bis.1(a)(i) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement

1. Statement

Novelty (N)	Yes: Claims	<u>1-15</u>
	No: Claims	
Inventive step (IS)	Yes: Claims	<u>1-15</u>
	No: Claims	
Industrial applicability (IA)	Yes: Claims	<u>1-15</u>
	No: Claims	

2. Citations and explanations

see separate sheet

Re Item V

Reasoned statement with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement

1 Independent Claims

1 (method), 11 (apparatus), 13 (apparatus)

Independent claims 11 and 13 define the two authentication apparatuses deployed in the method of claim 1 and are thus allowable.

2 Basis for amendments

no amendments

3 Prior art; Priority if applicable

D1 EP 2 924 603 A2 (FMR LLC [US]) 30 September 2015 (2015-09-30)

D2 WO 2016/083216 A1 (GEMALTO SA [FR]) 2 June 2016 (2016-06-02)

D3 US 2017/109514 A1 (CHENG HUI [US] ET AL) 20 April 2017
(2017-04-20)

Only D1 teaches a video stream being captured by a camera 103 which is subsequently decomposed into separate audio/video segments (cap 402, spoken password "Rosebud", plant 408 and cat 404).

4 Novelty: distinguishing features

- *constituting (28), based on the at least one collected context data element, a data packet;*
- *generating (216), by using a predetermined hash type algorithm and the data packet, as input to the predetermined hash type algorithm, a hash;*
- *sending the generated hash;*
- *generating (220), as a hash distance generation step, a hash distance between the generated hash and a predetermined reference hash; and authenticating (...) based on the generated hash distance*

5 Inventive step:

5.1 Closest prior art

D1 EP 2 924 603 A2 (FMR LLC [US]) 30 September 2015
(2015-09-30)

discloses

An authentication method (20) comprising:

- collecting (24), based on a predetermined authentication policy, at least one context data element;

(...)

- authenticating (224) successfully or not (223) (...), as an authentication step.

5.2 Technical effect and problem to be solved

Technical security effect: accuracy of authentication

The technical problem means how to modify the closest prior art D1 in order to achieve the specified security effect

5.3 Solution (computer security countermeasure)

constitution of the data packets from the collected context data elements

hash type algorithm and hash distance generation as defined in the distinguishing features

5.4 Why is it inventive

D1 discloses a multi-factor authentication system in which the user is authenticated using his biometrics (facial, body movement, gesture; USER in D1 Fig. 4) and his environment (scene objects cat 404 and plant 408 in D1 Fig. 4) and his knowledge (spoken password "Rosebud" 406 in D1 Fig. 4). The computing device calculates a total score (115 in D1 table 2) of all video segments (which individually define the user biometrics, the user environment or the user knowledge) which is compared against a reference total score (145 in D1 table 2); cf. D1 Table 2.

D1, however, does not disclose nor render obvious to deploy hash functions for this specific purpose nor does it compute hash distances for comparing the sampled audio/video segments with respective reference. D1 table 2 and paragraphs [0035]-[0037] relies on simple numeric comparisons when comparing the sampled audio/video segment against their reference values.

The scope of independent claim 11 does NOT (!!!) encompass the application of a standard hash on data (claim 11: context data element/s) because the data packet(s) first need to be "extracted" from the collected context data elements (see definition of the collect and constitute steps) before the hash is applied on the preprocessed data packet(s) (and not on the context data elements).

6 Further Relevant Information (Art. 82, 83, 84, 52, 53)

The two-part form of the independent claims is not appropriate because it would complicate the wording of the claims.

The above reasoning corresponds to that of the parental application
EP17306977.4



Acknowledgement of receipt

We hereby acknowledge receipt of the form for entry into the European phase (EPO as designated or elected Office) as follows:

Submission number	8687547	
PCT application number	PCT/EP2018/081759	
EP application number	18800679.5	
Date of receipt	03 June 2020	
Receiving Office	European Patent Office, The Hague	
Your reference	GMT3707 DD/EG	
Applicant		
Country		
Documents submitted	package-data.xml application-body.xml	ep-euro-pct.xml epf1200.pdf (4 p.)
Submitted by	CN=Emmanuel Grevin 17228	
Method of submission	Online	
Date and time receipt generated	03 June 2020, 13:23 (CEST)	
Message Digest	9E:CE:E7:CB:9D:C1:89:1A:9E:F3:7C:18:F5:3C:8F:E3:AF:9F:C7:3E	

Correction by the EPO of errors in debit instructions filed by eOLF

Errors in debit instructions filed by eOLF that are caused by the editing of Form 1038E entries or the continued use of outdated software (all forms) may be corrected automatically by the EPO, leaving the payment date unchanged (see decision T 152/82, OJ EPO 1984, 301 and point 6.3 ff ADA, Supplement to OJ EPO 10/2007).

/European Patent Office/



Entry into the European phase (EPO as designated or elected Office)

To the European Patent Office

European application number	EP18800679.5
PCT application number	PCT/EP2018/081759
PCT publication number	WO2019129422
Applicant's or representative's reference	GMT3707 DD/EG
International Filing Date	19.11.2018
International Searching Authority (ISA)	EP
International Preliminary Examining Authority (IPEA)	not applicable
1. Applicant Indications concerning the applicant(s) are contained in the international publication or were recorded by the International Bureau after the international publication. Changes which have not yet been recorded by the International Bureau are set out here:	☒ ☐
2. Representative Representative 1 Representative or association of representatives to be listed in the Register of European Patents and to whom communications are to be notified	Name: GREVIN Emmanuel Company: THALES DIS FRANCE SA Department: Intellectual Property Department Address of place of business: 525, avenue du Pic de Bertagne CS12023 13881 GEMENOS CEDEX, France Telephone: +33 4.42.36.53.50, Fax: +33 4.42.36.63.43, E-mail: djouher.ghezali@thalesgroup.com
3. Authorisation Representative 1 An individual authorisation is attached. A general authorisation has been registered under No: A general authorisation has been filed, but not yet registered. The authorisation filed with the EPO as PCT receiving Office expressly includes the European phase.	☐ ☐ ☐ ☐
4. Request for examination Examination of the application under Art. 94 EPC is hereby requested. The examination fee is being (has been, will be) paid. Request for examination in an admissible non-EPO language: The/Each applicant hereby declares that he is an entity or a natural person under Rule 6(4) EPC.	☒ ☐ ☐
5. Copies Additional copies of the documents cited in the supplementary European search report are requested. Number of additional sets of copies	☐
6. Documents intended for proceedings before the EPO Number of claims on entry into the European phase: 6.1 Proceedings before the EPO as designated Office (PCT I) are to be based on the following documents	10

GMT3707 DD/EG

the application documents published by the International Bureau; where the publication includes a set of claims amended under Article 19 PCT, the latter replaces the originally filed claims	☒
unless replaced by the amendments attached.	☐
Comments on the international preliminary examination report established by the EPO as the International Preliminary Examining Authority and/or observations are attached.	☐
<i>Where necessary, further details should be attached as "Other documents"</i>	
6.2 Proceedings before the EPO as elected Office (PCT II) are to be based on the following documents:	
the documents on which the international preliminary examination report is based, including any annexes	☐
unless replaced by the amendments attached.	☐
comments on the international preliminary examination report established by the EPO as the International Preliminary Examining Authority and/or observations are enclosed.	☐
<i>Where necessary, further details should be attached as "Other documents"</i>	
If the EPO as International Preliminary Examining Authority has been supplied with test reports, these may be used as the basis of proceedings before the EPO.	☐
6.3 A copy of the results of the search carried out by the authority with which the previous application(s) whose priority is claimed was (were) filed is attached (R. 141(1) EPC).	☐
7. Translations	
Translations in one of the official languages of the EPO (English, French, German) are attached as crossed below:	☐
<i>* In proceedings before the EPO as designated or elected Office (PCT I + II):</i>	
7.1 Translation of the international application (description, claims, any text in the drawings) as originally filed, of the abstract as published and of any indication under Rule 13bis.3 and 13bis.4 PCT regarding biological material	☐
7.2 Translation of the priority application(s) (to be filed only at the EPO's request, Rule 53(3) EPC)	☐
7.3 It is hereby declared that the international application as originally filed is a complete translation of the previous application (Rule 53(3) EPC)	☐
<i>* In addition, in proceedings before the EPO as designated Office (PCT I):</i>	
7.4 Translation of amended claims and any statement under Art. 19 PCT, if the claims as amended are to form the basis for the proceedings before the EPO (see Section 6).	☐
<i>* In addition, in proceedings before the EPO as elected Office (PCT II):</i>	
7.5 Translation of any annexes to the international preliminary examination report	☐
8. Biological material	
The invention uses and/or relates to biological material deposited under Rule 31 EPC.	☐
The particulars referred to in Rule 31(1)(c) EPC (if not yet known, the depositary institution and the identification reference(s)) [number, symbols, etc.] of the depositor) are given in the international publication or in the translation submitted in Section 7 on:	☐
page(s) / line(s)	
The receipt(s) of deposit issued by the depositary institution	
is (are) enclosed.	☐
will be filed later.	☐
Waiver of the right to an undertaking from the requester pursuant to Rule 33(2) EPC attached.	☐
9. Nucleotide and amino acid sequences	
The international application discloses nucleotide and/or amino acid sequences.	☐
9.1 The sequence listing was filed under Rule 5.2(a) PCT, or furnished to the EPO as ISA under Rule 13ter.1(a) PCT, or is otherwise available to the EPO, in computer-readable format in accordance with WIPO ST.25.	☐
9.2	

GMT3707 DD/EG

<p>The sequence listing is attached in computer-readable format in accordance with WIPO Standard ST.25 (Rule 163(3) EPC) ☐</p> <p>The sequence listing does not include matter which goes beyond the content of the application as filed. ☐</p>										
<p>10. Designation of contracting states</p> <p>All the contracting states party to the EPC at the time of filing of the international patent application and designated in the international application are deemed to be designated (see Article 79(1) EPC).</p>	☒									
<p>11. Extension/Validation</p> <p>This application is deemed to be a request to extend the effects of the European patent application and the European patent granted in respect of it to all non-contracting states to the EPC designated in the international application with which extension or validation agreements were in force on the date on which the application was filed. However, the request is deemed withdrawn if the extension fee or the validation fee, whichever is applicable, is not paid within the prescribed time limit.</p> <p>11.1 It is intended to pay the extension fee(s) for the following state(s):</p> <p>11.2 It is intended to pay the validation fee(s) for the following state(s):</p> <p>Note: Under the automatic debiting procedure, extension and/or validation fees will be debited only for states indicated here unless the EPO is instructed otherwise before expiry of the period for payment.</p>	☐									
<p>12. Acceleration of procedure</p> <p>12.1 Early processing</p> <p>Early processing of the application pursuant to Article 23(2) / 40(2) PCT is hereby requested ("early entry into the European phase") ☐</p> <p>12.2 Waivers</p> <p>The applicant waives his right to the communication under Rules 161(1) or (2) and 162 EPC. ☐</p> <p>The applicant waives his right to be asked under Rule 70(2) EPC whether he wishes to proceed further with the application. ☐</p>										
<p>13. List of enclosed documents</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 40%;">Description of document</th> <th style="width: 30%;">Original file name</th> <th style="width: 30%;">Assigned file name</th> </tr> </thead> <tbody> <tr> <td colspan="3"> <p>14. Method of payment: Automatic debit order</p> <p>Currency</p> <p>The European Patent Office is hereby authorised, under the Arrangements for the automatic debiting procedure, to debit from the deposit account indicated any fees and costs falling due.</p> <p>Deposit account number</p> <p>Account holder</p> </td> </tr> <tr> <td colspan="3"> <p>15. Any refunds should be made to the following EPO deposit account:</p> <p>Number and account holder</p> </td> </tr> </tbody> </table>		Description of document	Original file name	Assigned file name	<p>14. Method of payment: Automatic debit order</p> <p>Currency</p> <p>The European Patent Office is hereby authorised, under the Arrangements for the automatic debiting procedure, to debit from the deposit account indicated any fees and costs falling due.</p> <p>Deposit account number</p> <p>Account holder</p>			<p>15. Any refunds should be made to the following EPO deposit account:</p> <p>Number and account holder</p>		
Description of document	Original file name	Assigned file name								
<p>14. Method of payment: Automatic debit order</p> <p>Currency</p> <p>The European Patent Office is hereby authorised, under the Arrangements for the automatic debiting procedure, to debit from the deposit account indicated any fees and costs falling due.</p> <p>Deposit account number</p> <p>Account holder</p>										
<p>15. Any refunds should be made to the following EPO deposit account:</p> <p>Number and account holder</p>										
<p>14. Method of payment: Automatic debit order</p> <p>Currency</p> <p>The European Patent Office is hereby authorised, under the Arrangements for the automatic debiting procedure, to debit from the deposit account indicated any fees and costs falling due.</p> <p>Deposit account number</p> <p>Account holder</p>		☒ EUR 28040233 THALES DIS FRANCE SA								
<p>15. Any refunds should be made to the following EPO deposit account:</p> <p>Number and account holder</p>		☒ THALES DIS FRANCE SA, 28040233								
16. Fees										
17. Annotations										
18. Signature(s) of applicant(s) or representative										
Place:	GEMENOS									
Date:	03 June 2020									
Signed by:	Emmanuel Grevin 17228									
Representative name:	Emmanuel GREVIN									
Capacity:	(Representative)									

Table for section 6 of Form 1200.3

In accordance with the Notice from the European Patent Office dated 26 January 2009 concerning the 2009 fee structure (OJ EPO 2009, 118, and Guidelines for Examination in the EPO, April 2009, A-III, 13.2), the amount of the additional fee (Art. 2, item 1a, Rules relating to Fees) for the pages of this European patent application is calculated as follows:

Documents intended for proceedings before the EPO (R. 159 (1) (b) EPC) and for calculating the additional fee (Art. 2, item 1a, RFees):

	Page(s) from ... to ...	Number of pages
Description: International application as published	1 to 20	20
Claims: International application as published	25 to 27	3
Drawings: International application as published	1 to 2	2
Abstract: Default count: one page		1
Total number of pages		26
Fee-exempt pages (Art. 2, item 1a, RFees)		-35
Number of pages to be paid for		0
		(x 16 EUR per page)
Total amount payable	EUR	0



European Patent Office
80298 MUNICH
GERMANY

Questions about this communication ?
Contact Customer Services at www.epo.org/contact



SCHEER, Luc
525 avenue du Pic de Bertagne CS 12023
13881 Gemenos Cedex
FRANCE

Date
08.05.20

Reference	Application No./Patent No. 18800679.5 - 1218 PCT/EP2018081759
Applicant/Proprietor THALES DIS FRANCE SA	

Entry into the European phase before the European Patent Office

The following information describes the procedural steps required for entry into the European phase before the European Patent Office (EPO) as designated/elected Office. You are advised to read it carefully because failure to take the necessary action in due time can lead to a loss of rights.

1. The above mentioned international patent application has been given the **European application No. 18800679.5**. This application number is to be used in correspondence with the EPO.
2. Applicants **without a residence or their principal place of business** in an EPC Contracting State may themselves initiate European processing of their international applications, provided they do so before expiry of the 31st month from the priority date.

During the European phase before the EPO as designated or elected Office, however, such applicants **must** be represented by a professional representative (Art. 133(2) and Art. 134(1) and (8) EPC).

Where, at the expiry of the time period laid down in Rule 163(5) EPC, the requirements of Article 133(2) EPC have not been complied with, the European patent application will be **refused**, pursuant to Rule 163(6) EPC.

Please note that a professional representative authorised to act before the EPO and who acted for the applicant during the international phase does not automatically become the representative for the European phase. Applicants are therefore strongly advised to appoint in good time any representative they wish to initiate the European phase for them; otherwise the EPO has to send all communications directly to the applicant.

3. Applicants **with a residence or their principal place of business** in an EPC Contracting State are not obliged to appoint for the European phase a professional representative authorised to act before the EPO. However, in view of the complexity of the procedure it is recommended that they do so.
4. Applicants and professional representatives are also strongly advised to initiate the European phase using **EPO Form 1200**. It is available free of charge from the EPO or via the EPO website at www.epo.org. Similarly, it can be generated using the Online Filing software, obtainable free of charge from the EPO, or the new online filing (CMS). The use of the form is not compulsory.

5. Applicants wishing to use an address for correspondence which is different from the address of their seat or residence are advised to indicate this address in section 1 of EPO Form 1200. When acting as designated or elected Office, the EPO will accept an address for correspondence only if no professional representative must be or is appointed (Art. 133 and 134 EPC). This address must be the applicant's own address and must be located in an EPC Contracting State. Any address for correspondence accepted for the procedure in the international phase which does not fulfil those conditions will not be accepted in the procedure before the EPO in the European phase.
6. To enter the European phase before the EPO as designated or elected Office (Art. 22(1) and (3) and 39(1) PCT), the **following acts** must be performed by the applicant within **31 months** from the date of filing of the international application or (where applicable) the earliest priority date:
- a) Supply a translation of the international application into an EPO official language, if the International Bureau did not publish the application in such language (Art. 22(1) PCT and R. 159(1)(a) EPC);
 - b) Specify the application documents, as originally filed or as amended, on which the European grant procedure is to be based (R. 159(1)(b) EPC);
 - c) Pay the filing fee and, where applicable, the additional fee for a European patent application comprising more than 35 pages (R. 159(1)(c) EPC, Art. 2(1), items 1, 1a Rules relating to Fees (RFees));
 - d) Pay the search fee where a supplementary European search report has to be drawn up (R. 159(1)(e) EPC);
 - e) Pay the designation fee if the time limit laid down in Rule 39(1) EPC (i.e. six months after publication of the international search report) has expired before the 31-month period pursuant to Rule 159(1) EPC (R. 159(1)(d) EPC);
 - f) File the written request for examination and pay the examination fee if the time limit laid down in Rule 70(1) EPC has expired before the 31-month period pursuant to Rule 159(1) EPC (R. 159(1)(f) EPC);
 - g) Pay the renewal fee in respect of the third year, if the fee has fallen due (see Rule 51(1) EPC) before expiry of the 31-month period pursuant to Rule 159(1) EPC (R. 159(1)(g) EPC);
 - h) File, where applicable, the certificate of exhibition referred to in Article 55(2) and Rule 25 EPC (R. 159(1)(h) EPC);
 - i) Pay the claims fees for the sixteenth and each subsequent claim when the application documents on which the European grant procedure is to be based comprise more than fifteen claims (R. 162(1) EPC). A higher amount is payable for the 51st and each subsequent claim (Art.2(1), item 15 RFees).

If either the translation of the international application or the request for examination is not filed in time, or if the filing fee, the additional fee, the search fee, the designation fee or the examination fee is not paid in due time, the application shall be deemed to be withdrawn (R. 160(1) EPC).

7. Making payments

For payments made via deposit account, please note that as from 1 December 2017 debit orders will only be carried out if filed in an electronically processable format (xml), using an accepted means of filing as laid down in the Arrangements for deposit accounts (ADA), published in a Supplementary publication to the Official Journal.

All relevant information related to the modes of payment of fees to the EPO can be retrieved from the EPO website at "**Making Payments**".

Information concerning fee amounts

Procedural fees are usually adjusted every two years, on even years, with effect from 1 April. Therefore, before making a payment, parties should verify the amounts actually due on the date of payment using the applicable version of the Schedule of fees and expenses, published as a Supplement to the Official Journal of the EPO, available on the EPO website (www.epo.org) at www.epo.org/schedule-of-fees. The "Schedule of fees" table allows the viewing, downloading and searching of individual fee amounts, both current and previous.

8. Restoration of priority right

Where the international application contains a priority claim to an earlier application and it has been filed within two months from the expiration of the 12-month priority period, a request for restoration before the EPO as designated Office (R. 49ter.2 PCT) applies under the following circumstances:

- a) No request for restoration filed before the receiving Office (RO) during the international phase (R. 26bis.3 PCT)
- b) Negative decision by the RO irrespective of the criterion applied (due care/unintentionality)
- c) Positive decision by the RO based on the unintentionality criterion.

For a request to be admissible, it must be filed and the requisite fee must be paid (R. 49ter.2(b)(iii) and R. 49ter.2(d) PCT, Art.2(1), item 13 RFees) within the one-month time limit under R. 49ter.2(b)(i) PCT for filing the request, which starts from the expiry of the 31-month time limit pursuant to Rule 159(1)EPC and Article 22(3) or 39(1)(b) PCT or, where applicable, from the date on which an effective request for early processing (Art. 23(2) or 40(2) PCT) is filed ('Notice from the European Patent Office dated 21 February 2013 concerning the request for early processing', OJ EPO 2013, 158). The request for restoration also needs to state the reasons for the failure to file the international application within the priority period (Rule 49ter.2(b)(ii) PCT).

- 9. If the applicant had appointed a representative during the application's international phase, the present Form will be sent to the representative, asking him to inform the applicant accordingly.
All subsequent communications will be sent to the applicant, or - if the EPO is informed of his appointment in time - to the applicant's European representative.
- 10. For more details about time limits and procedural acts before the EPO as designated or elected Office, see the EPO brochure Euro-PCT Guide: PCT procedure at the EPO. This brochure, the list of professional representatives before the EPO, Form 1200 and details of the latest fees are available on the EPO website (www.epo.org)

11. Programme for accelerated prosecution of European patent applications - "PACE"

Applicants wishing to accelerate proceedings before the EPO as designated or elected Office may request accelerated prosecution under the PACE programme (Notice from the European Patent Office dated 30 November 2015 concerning the programme for accelerated prosecution of European patent applications - "PACE", OJ EPO 2015, A93).

Receiving Section

Copie à (DO-EP) 31
TRAITÉ DE COOPÉRATION EN MATIÈRE DE BREVETS

PCT/EP2018/081759

Expéditeur : le BUREAU INTERNATIONAL

PCT

NOTIFICATION DE L'ENREGISTREMENT
D'UN CHANGEMENT

(règle 92bis.1 et instruction administrative 422 du PCT)

Destinataire :

SCHEER, Luc
525 avenue du Pic de Bertagne CS 12023
13881 Gemenos Cedex
FRANCE

Date d'expédition (jour/mois/année) 12 août 2019 (12.08.2019)	
Référence du dossier du déposant ou du mandataire GMT3707WO/DD	NOTIFICATION IMPORTANTE
Demande internationale n° PCT/EP2018/081759	Date du dépôt international (jour/mois/année) 19 novembre 2018 (19.11.2018)

1. Les renseignements suivants étaient enregistrés en ce qui concerne :

☒ le déposant
☐ l'inventeur
☐ le mandataire
☐ le représentant commun

Nom et adresse GEMALTO SA 6, rue de la Verrerie 92190 Meudon FRANCE	Nationalité (nom de l'Etat) FR	Domicile (nom de l'Etat) FR
	n° de téléphone	
	n° de télécopieur	
	Address électronique	

2. Le Bureau international notifie au déposant que le changement indiqué ci-après a été enregistré en ce qui concerne :

☐ la personne
☐ le nom
☒ l'adresse
☐ la nationalité
☐ le domicile

Nom et adresse THALES DIS FRANCE SA 6, rue de la Verrerie 92190 Meudon FRANCE	Nationalité (nom de l'Etat) FR	Domicile (nom de l'Etat) FR
	n° de téléphone	
	n° de télécopieur	
	Address électronique ☐ Autorisation de recourir au courrier électronique	

3. Observations complémentaires, le cas échéant :

4. Une copie de cette notification a été envoyée

☒ à l'office récepteur ☐ à l'administration chargée de la recherche internationale ☐ [à l'] [aux] administration(s) indiquée(s) pour la recherche supplémentaire	☐ à l'administration chargée de l'examen préliminaire international ☒ aux offices désignés concernés ☐ aux offices élus concernés ☐ autre destinataire :
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Bureau international de l'OMPI 34, chemin des Colombettes 1211 Genève 20, Suisse	Fonctionnaire autorisé Nissen Diana e-mail diana.nissen@wipo.int n° de téléphone +4122 338 8054
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Copie à (RO-EP) 32
TRAITÉ DE COOPÉRATION EN MATIÈRE DE BREVETS

PCT/EP2018/081759

Expéditeur : le BUREAU INTERNATIONAL

PCT

NOTIFICATION DE L'ENREGISTREMENT
D'UN CHANGEMENT

(règle 92bis.1 et instruction administrative 422 du PCT)

Destinataire :

SCHEER, Luc
525 avenue du Pic de Bertagne CS 12023
13881 Gemenos Cedex
FRANCE

Date d'expédition (jour/mois/année) 12 août 2019 (12.08.2019)	
Référence du dossier du déposant ou du mandataire GMT3707WO/DD	NOTIFICATION IMPORTANTE
Demande internationale n° PCT/EP2018/081759	Date du dépôt international (jour/mois/année) 19 novembre 2018 (19.11.2018)

1. Les renseignements suivants étaient enregistrés en ce qui concerne :

☒ le déposant ☐ l'inventeur ☐ le mandataire ☐ le représentant commun

Nom et adresse GEMALTO SA 6, rue de la Verrerie 92190 Meudon FRANCE	Nationalité (nom de l'Etat) FR	Domicile (nom de l'Etat) FR
	n° de téléphone	
	n° de télécopieur	
	Address électronique	

2. Le Bureau international notifie au déposant que le changement indiqué ci-après a été enregistré en ce qui concerne :

☐ la personne ☐ le nom ☒ l'adresse ☐ la nationalité ☐ le domicile

Nom et adresse THALES DIS FRANCE SA 6, rue de la Verrerie 92190 Meudon FRANCE	Nationalité (nom de l'Etat) FR	Domicile (nom de l'Etat) FR
	n° de téléphone	
	n° de télécopieur	
	Address électronique ☐ Autorisation de recourir au courrier électronique	

3. Observations complémentaires, le cas échéant :

4. Une copie de cette notification a été envoyée

☒ à l'office récepteur	☐ à l'administration chargée de l'examen préliminaire international
☐ à l'administration chargée de la recherche internationale	☒ aux offices désignés concernés
☐ [à l'] [aux] administration(s) indiquée(s) pour la recherche supplémentaire	☐ aux offices élus concernés
	☐ autre destinataire :

Bureau international de l'OMPI 34, chemin des Colombettes 1211 Genève 20, Suisse	Fonctionnaire autorisé Nissen Diana e-mail diana.nissen@wipo.int n° de téléphone +4122 338 8054
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**DOCUMENT MADE AVAILABLE UNDER THE
PATENT COOPERATION TREATY (PCT)**

International application number:	PCT/EP2018/081759
International filing date:	19 November 2018 (19.11.2018)
Document type:	Certified copy of priority document
Document details:	Country/Office: EP
	Number: 17306977.4
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Date of receipt at the International Bureau:	28 November 2018 (28.11.2018)

Remark: Priority document submitted or transmitted to the International Bureau in compliance with Rule 17.1(a),(b) or (b-bis)

Bescheinigung

Die angehefteten
Unterlagen stimmen mit der
als ursprünglich eingereicht
geltenden Fassung der auf
dem nächsten Blatt
bezeichneten europäischen
Patentanmeldung überein.

Certificate

The attached documents are
exact copies of the text in
which the European patent
application described on the
following page is deemed to
have been filed.

Attestation

Les documents joints à la
présente attestation sont
conformes au texte,
considéré comme
initialement déposé, de la
demande de brevet
européen qui est spécifiée à
la page suivante.

Patentanmeldung Nr.

Patent application No.

Demande de brevet n°

17306977.4 / EP17306977

The organisation code and number of your priority application, to be used for filing abroad under the Paris Convention, is EP17306977.

Der Präsident des Europäischen Patentamts;
Im Auftrag

For the President of the European Patent Office

Le Président de l'Office européen des brevets
p.o.



V. Joseph

Anmeldung Nr.:
Application no.: 17306977.4
Demande no.:

Anmeldetag:
Date of filing: 29.12.17
Date de dépôt:

Anmelder / Applicant(s) / Demandeur(s):

GEMALTO SA
6, rue de la Verrerie
92190 Meudon/FR

Bezeichnung der Erfindung / Title of the invention / Titre de l'invention:
(Falls die Bezeichnung der Erfindung nicht angegeben ist, oder falls die Anmeldung in einer Nicht-Amtssprache des EPA eingereicht wurde, siehe Beschreibung bezüglich ursprünglicher Bezeichnung.
If no title is shown, or if the application has been filed in a non-EPO language, please refer to the description for the original title.
Si aucun titre n'est indiqué, ou si la demande a été déposée dans une langue autre qu'une langue officielle de l'OEB, se référer à la description pour le titre original.)

AUTHENTICATION METHOD, DEVICE AND SYSTEM

In Anspruch genommene Priorität(en) / Priority(Priorities) claimed / Priorité(s) revendiquée(s)
Staat/Tag/Aktenzeichen / State/Date/File no. / Pays/Date/Numéro de dépôt:

Am Anmeldetag benannte Vertragsstaaten / Contracting States designated at date of filing / Etats contractants désignés lors du dépôt:

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL
PT RO RS SE SI SK SM TR

AUTHENTICATION METHOD, DEVICE AND SYSTEM

Field of the invention:

The present invention relates generally to an authentication method and an authentication device.

5 Furthermore, the invention pertains to an authentication system as well. The system includes at least two devices.

The present invention is notably applicable to a field in which a first device is e.g. a mobile (tele)phone or a Personal Computer (or PC) and a second device is e.g. a (local) Secure Element (or SE) or a remote server.

10 Within the present description, an SE is a smart object that includes a chip(s) that protect(s), as a tamper resistant component(s), access to stored data and that is intended to communicate data with a device(s), like e.g., an SE host device, and/or an SE user.

State of the art:

15 EP 2 924 603 A2 describes a user authentication technique based on a transmission, from a client to a server, of a captured video signal including a physical user characteristic(s) and a physical object(s)/element(s) in the user environment. The sever analyses the captured video signal to determine a value associated with each of the visual and audio elements, as environment characteristics. The server determines a
20 total score for the captured video signal and compares the total score to a predetermined reference score. The server decides to authorize (or not) based on a comparison result.

However, such a known solution requires a big bandwidth, namely several Mb, for an upload of the captured video signal. Moreover, the uploaded captured video signal
25 includes information that discloses the user environment and therefore private data.

There is a need of an alternative authentication solution while being more efficient and more secure than such an aforementioned known solution.

Summary of the invention:

The invention proposes a solution for satisfying the just herein above specified
30 need by providing an authentication method.

According to the invention, the method comprises:

- collecting, based on a predetermined authentication policy, at least one context data element;

- constituting, based on the at least one collected context data element, a data packet;
- generating, by using a predetermined hash type algorithm and the data packet, as input to the predetermined hash type algorithm, a hash;
- sending the generated hash;
- 5 - generating, as a hash distance generation step, a hash distance between the generated hash and a predetermined reference hash; and
- authenticating successfully or not based on the generated hash distance, as an authentication step.

The principle of the invention consists in capturing, at a client device side, (local)
 10 context (or environment) data element(s) depending on an authentication policy, building a corresponding data packet and determining with a predefined hash type algorithm and, as input, the data packet a corresponding hash. The client device sends the determined hash. Then, a hash distance between the determined hash and a predefined reference hash is determined. The thus determined hash distance is then
 15 used for authenticating (or not) the tested authentication context (under survey).

The authentication policy defines notably the number and/or the nature of the context data element(s) to be captured. The authentication policy may include data relating to the used (client) device, a user, object(s) or thing(s) to be locally present and detected. To capture the context data element(s), the invention does not impose any
 20 constraint. The client device may use a camera(s), a microphone(s) and/or one or several sensors that is(are) incorporated within or connected to the client device.

The invention (authentication) solution is, through the authentication policy, configurable and therefore adaptable to different (local) environment or context scenario(s).

25 Since the client device (or a cooperating device, such as an SE), where there is an environment to be authenticated, generates (or determines) a hash from a data packet resulting from captured environment or context data element(s), the hash is transmitted in a secure and protected manner.

A software component, such as a library, a hardware component and/or a device
 30 may carry out the hash distance generation step and the authentication step. The software component may be supported by the client device, a local device, such as an SE, cooperating with the client device, or a remote device, such as a remote server. The hardware component may be incorporated within or connected or coupled to the

client device, a local device, such as an SE, cooperating with the client device, or a remote device, such as a remote server.

It is noteworthy that the hash distance generation step provides a hash distance that allows to determine whether the generated hash is more or less close to a predefined reference hash. The hash distance allows inferring whether the
 5 corresponding captured context data element(s) is(are) or is(are) not successfully authenticated, i.e. sufficiently close to respective predetermined reference captured context data element(s).

The hash distance may be generated through a hash type comparison algorithm.

10 An authentication of the concerned (local) environment or context under survey is therefore carried out through such a hash distance that is specific to (or characterizes) the invention solution.

The hash distance allows the invention solution to be resilient to more or less small changes with respect to the predefined reference hash while still authenticating
 15 successfully the concerned (local) environment or context, i.e. the value of at least some captured (or collected) context data element(s) has changed slightly.

It is to be noted that the hash or digest, as a byte stream relating to original captured context data element(s), is a string of bits with a resulting length, from e.g. 32 bytes to e.g. a few kbytes. The resulting length may be (or not) variable according to the
 20 captured context data element(s).

The hash relates to the original (captured) context data element(s) and reduces the number of bits (or elements of information) to be transferred with respect to the original context data element(s).

Contrary to the aforementioned prior art solution, the invention solution does not
 25 need a large bandwidth to transmit data, including the hash, relating to the concerned environment or context, since the data relating to the concerned context includes only a few data (up to a few kbytes) to be transmitted.

Contrary to the aforementioned prior art solution, the invention solution is therefore efficient.

30 Moreover, the hash obfuscates the concerned original context data element(s), i.e. does not disclose any original context data element(s) in plain text.

Since no data relating to the privacy is transmitted in plain text, the invention is thus compliant with data privacy and therefore the Generation Data Protection Regulation (or GDPR).

Contrary to the aforementioned prior art solution, due to the use of a hash (and not the use of the concerned captured context data element(s) in plain text), the invention solution is secure.

The invention solution is an environment or context authentication solution that allows authenticating the concerned (local) environment or context under survey.

The invention solution is user convenient.

Advantageously, the predetermined hash type algorithm comprising a Locality Sensitive Hash (or LSH) type algorithm, the method further comprises, as the hash distance generation step and the authentication step, the following steps:

- generating, by using the locality sensitive hash type algorithm, a score, as a level of similarity between the generated hash and the predetermined reference hash;
- comparing the score to a predetermined threshold value;
- authenticating successfully only if the score is equal to or greater than the predetermined threshold value.

The LSH type algorithm, as a hash type algorithm, is advantageously used to generate a score, as a hash distance used for comparing the generated hash to the predefined reference hash.

The generated score is then checked with respect to a predefined threshold value, so as to authenticate (or not) the concerned context.

Thus, the invention solution may be, through the score, as the hash distance, more or less permissive with respect to the predefined reference hash that has to be approached by the generated hash from the collected context data element(s).

It is to be noted that the score is either the hash distance itself or the result of a computation derived from the (hash) distance depending on the used algorithm for comparing the generated hash.

According to an additional aspect, the invention is a first authentication device.

According to the invention, the first authentication device is configured to:

- collect, based on a predetermined authentication policy, at least one context data element;
- constitute, based on the at least one collected context data element, a data packet;

- generate, by using a predetermined hash type algorithm and the data packet, as input to the predetermined hash type algorithm, a hash; and
- send to a second device the generated hash.

5 The first authentication device may be a mobile phone, a PC or any computing device.

According to an additional aspect, the invention is a second authentication device.

According to the invention, the second authentication device is configured to:

- receive a generated hash;
- generate a hash distance between the generated hash and a predetermined reference
- 10 hash; and
- authenticate successfully or not based on the generated hash distance.

The second authentication device may be a secure element, a remote server or any computing device.

According to still a further aspect, the invention is an authentication system.

15 According to the invention, the system comprising a first authentication device and at least one second authentication device, the first authentication device is configured to:

- collect, based on a predetermined authentication policy, at least one context data element;
- 20 - constitute, based on the at least one collected context data element, a data packet;
- generate, by using a predetermined hash type algorithm and the data packet, as input to the predetermined hash type algorithm, a hash;
- send to the second authentication device, the generated hash; and

the second authentication device is configured to:

- 25 - receive from the first device, the generated hash;
- generate a hash distance between the generated hash and a predetermined reference hash; and
- authenticate successfully or not based on the generated hash distance.

Brief description of the drawings:

30 Additional features and advantages of the invention will be apparent from a detailed description of one preferred embodiment of the invention, given as an indicative and non-limitative example, in conjunction with the following drawings:

- Figure 1 illustrates a simplified diagram of an exemplary embodiment of a system comprising a mobile phone and a server, the phone being configured to collect, based on a predefined authentication policy, a data element(s) comprised within the phone context, constitute a corresponding data packet, generate a corresponding hash, and send to the server the hash, the server being configured to generate a hash distance between the hash and a predetermined reference hash and authenticate, based on to the hash distance, the concerned context, according to the invention; and
- Figure 2 represents an example of a flow of messages exchanged between the user, the phone and the server of the system of figure 1, so that the server receives a hash generated at the client side, generates a corresponding hash distance and authenticates (or not), thanks to the generated hash distance, the concerned context.

Detailed description:

Herein under is considered an exemplary embodiment in which the invention authentication method is implemented notably by a phone, as a client (computer) device and a standalone entity, i.e. without cooperating with another device, such as an SE, and a remote server.

According to another exemplary embodiment (not represented), the invention authentication method is implemented by a computer device, as a terminal, in cooperation with an SE embedded within or connected to the terminal. According to such an embodiment, the SE, as a local and second authentication device, is adapted to perform the functions that are carried out by the server and described herein below while enhancing the security of stored and/or processed data.

The SE may be an incorporated chip, as a chip soldered, possibly in a removable manner, like e.g., an embedded SE, an embedded Universal Integrated Circuit Card (or eUICC) or an integrated Universal Integrated Circuit Card (or iUICC), on a Printed Circuit Board (or PCB) of the terminal, or a chip that is coupled to the terminal and included within a Universal Serial Bus (or USB), a smart card or any other medium (that may have different form factors), as an SE host device. The chip may thus be fixed to or removable from its host device, like e.g., the mobile phone.

The invention does not impose any constraint as to a kind of the SE type.

Naturally, the herein below described embodiment is only for exemplifying purposes and is not considered to reduce the scope of the present invention.

Figure 1 shows schematically an (authentication) system 10 that includes a (mobile) phone 14 and a remote (web) server 16.

The system is arranged to authenticate (or not) a context 12 (or environment) under survey.

5 The context 12 includes e.g. a user 11, as the owner of the phone 14.

Additionally (or alternately), the context 12 includes e.g. a TeleVision (or TV) set 13, as a physical object or thing.

However, the invention (authentication) solution is also applicable when the context 12 includes one or several human beings (and/or animal(s)) and/or one or
10 several (physical) things.

For the sake of simplicity, only one phone 14, as a first (authentication) device, and only one user 11 and one object, as context data elements, have been represented.

However, the server 16, as a second (authentication) device, manages a set of context accounts and respective reference (context) hashes that have been previously
15 respectively registered while using the same invention authentication process.

Instead of being constituted by a phone, the first device may be constituted by e.g., a smart phone, a PC, a vehicle, a virtual reality device, an augmented reality device, an Internet Of Things type device, a set-top box, a tablet computer, a desktop computer, a laptop computer, a video player, an audio player, a media-player, a game
20 console, a netbook, a Personal Digital Assistant (or PDA), and/or any other computer device. Such a list of first devices is given as mere examples for a first device that may be used without being exhaustive.

Instead of being constituted by a physical first device, a software component, such as a library, or a hardware component carries out the functions that are described infra
25 and that are performed by the phone 14.

The phone 14 includes one or several Central Processing Unit(s) (or CPU), (micro)processor(s) and/or (micro)controller(s) (not represented), as data processing means, one or several memories (not represented), as data storing means, and one or several Input/Output (or I/O) interfaces (not represented).

30 The (or each) phone processor processes data originating from and/or intended to any internal component and data originating from and/or intended to any external device through one or several phone I/O interfaces.

The phone memories may include one or several EEPROMs (acronym for "Electrically Erasable Programmable Read-Only Memory"), one or several ROMs (acronym for "Read Only Memory"), one or several Flash memories and/or any other memories of different types, like e.g., one or several RAMs (acronym for "Random
5 Access Memory").

The phone 14 supports one or several Operating Systems (or OS).

The phone 14 supports a client application that allows the phone 14 to send, after a context data element collection, a corresponding data packet constitution and a corresponding hash generation, to the server 16 information including the generated
10 hash. The generated hash allows the server 16 to authenticate (or not) the concerned context 12.

A phone 14 memory (and/or a memory of another device connected or coupled to the phone 14) stores a Mobile Station International Subscriber Directory Number (or MSISDN), as the phone 14 number, and/or the like, as a phone 14 Identifiers (or ID), ,
15 an International Mobile Equipment Identity (or IMEI), an email address and/or other data that allow(s) uniquely identifying the phone 14, as the first device.

The phone I/O interface(s) may comprise (and/or be connected to) a display screen and a keyboard, as a phone Man Machine Interface (or MMI), so as to interact with the user 11.

20 The phone I/O interface(s) includes e.g., a camera 142, so as to capture or collect video or picture data that is included in the environment or context that is present in front of the camera 142.

The phone I/O interface(s) includes e.g., one or several sensors that allow each to collect data relating to the context of the phone 14.

25 The phone I/O interface(s) includes e.g., an antenna 144, allowing to transmit data, through a Radio-Frequency (or RF) link(s) 15, as a wireless link(s), via a possible (communication) network(s), to the server 16.

The RF may be fixed at several hundreds of MHz, e.g., around 850, 900, 1800, 1900 and/or 2100 MHz, as Long Range (or LR) type RF.

30 The RF link 15 between the phone 14 and the server 16 is at least mono-directional, namely at least an uplink, i.e. from the phone 14 to the server 16.

The channel may be related to an HyperText Transfer Protocol (or HTTP) (Secure) (registered trademark) type channel, an Over-The-Air (or OTA), an Over-The-Internet (or OTI) type channel or any other data communication channel.

The channel using the RF link 15 may be secure or unsecure.

- 5 The phone 14 is arranged to collect, based on a predetermined authentication policy, an image (or picture) (and/or a video signal) including image data relating to the user 11 face and image data relating to the TV 13, as data elements included in the context (relating to the phone 14).

- 10 To collect a context data element(s), the phone 14 may use a Machine Learning (or ML) engine to analyse a collected (or captured) image.

Each context data element is preferably a string of bits (or units of information) with an individual fixed length.

- 15 The authentication policy allows configuring the phone 14 to process data originating from a surrounding environment of the phone 14, so as to authenticate the concerned environment.

- 20 The authentication policy is preferably previously (prior to launching an authentication process) provided by the server 16 or another server (not represented) connected to the server 16. The authentication policy comprises a set of identified context data elements to be collected, so as to define context data element(s) to be collected.

- 25 As context data element(s), the context data element(s) may include, besides image data relating to the user face and image data relating to the TV 13, other data, such as a phone ID, a Service Set Identifier (or SSID), an OS version ID, geolocation data (like e.g., Global Positioning System (or GPS) data), a user 11 heart rate (not represented) and/or other data. To collect a context data element(s), the phone 14 may get or retrieve data, such as a phone ID, stored in a memory included within the phone 14 or a device connected or coupled to the phone 14.

- 30 The authentication policy may also define how the concerned context data element(s) is transformed into a corresponding data packet, how the resulting data packet is possibly processed, such as grouped, ciphered, weighted and/or sorted, and/or how a corresponding hash has to be generated.

The authentication policy may comprise information allowing to group together at least certain collected context data elements with respect to the other collected context

data element(s). Thus, certain context data elements are to be grouped within one and the same group, such as data relating to the operation of the phone 14, like e.g., an SSID and/or an OS version ID, and/or data relating to the audio and/or visual environment.

- 5 When two or more collected context data elements are grouped, the concerned collected context data element group impacts the corresponding generated hash distance (or score) by increasing the hash distance (or score) variation, i.e. if at least one of the collected context data elements within a concerned group changes, then the resulting corresponding generated hash distance (or score) varies more than if all of the
- 10 collected context data elements of the group were kept (individually) separated from each other.

- The authentication policy may comprise data for requesting that a data packet that results from the context data element(s) (possibly grouped at least in part) has to be ciphered by using a key generated from submitted user authentication data (or one or
- 15 several data items originating from one or several external sources, such as a thermometer) (instead of being ciphered, being processed by a keyed one way function (i.e. non reversible), such as HMAC type function). Such a data packet ciphering request may further specify to use a specific encryption key, a specific encryption key generation algorithm, a specific data encryption algorithm and/or a process to generate
- 20 the concerned encryption key or algorithm. The encryption key may be generated by using user authentication data, such as a Personal Identity Number (or PIN), a One-Time Password (or OTP), a password and/or a biometric user feature(s), such as a one or several user fingerprints, a user iris, a user face and/or a user palm(s), and/or data provided by one or several external sources, such as an SE, as input to an (identified)
- 25 key generation algorithm. The encryption key may be generated by using a Hash-based Message Authentication Code (or HMAC) key derivation function.

- The authentication policy may comprise data for identifying a user authentication to be used for authenticating the user 11, when applicable, i.e. when the user authentication data is to be included in the context data element(s). For example, the
- 30 user 11 has to authenticate by providing a PIN, an OTP, a password and/or a biometric user feature(s), such as a one or several user fingerprints, a user iris, a user face and/or a user palm(s).

The authentication policy may comprise one or several weights to be associated with a specific (identified) group(s) and/or a specific (identified) context data element(s), so as to give heavier importance to the concerned group(s) and/or context data element(s) with respect to the other collected group(s) and/or collected context data element(s) within a corresponding data packet.

The authentication policy may comprise data for requesting that, prior to generating a corresponding hash, the context data element(s) (possibly grouped at least in part) has to be sorted, according to a predetermined numerical order, such as an increasing or decreasing numerical order.

The authentication policy may comprise data for identifying a hash type algorithm to be used for generating a hash relating to the collected context data element(s).

The authentication policy may comprise data for identifying several hash type algorithms to be used for generating several hashes relating to the collected context data elements which may have separate natures of data elements. The corresponding hash distance (or score) to be generated is then averaged (or weighted) the hashes resulting from each hash type algorithms.

Optionally, the phone 14 is arranged, preferably according to the authentication policy, to group at least two collected context data elements within the collected context data elements within the data packet.

The phone 14 is adapted to constitute, based on the collected context data element(s), a (resulting) data packet by e.g. concatenating the collected context data element(s).

The data packet is a kind of passphrase comprising, as word(s), the collected context data element(s).

The data packet is a string of bits (or units of information) with a resulting length that may vary depending on the collected context data element length(s) between separate context authentication sessions. The data packet length corresponds to an addition of all of the individual length(s) relating to the collected context data element(s).

Optionally, the phone 14 is adapted, preferably according to the authentication policy, to cipher or encrypt the data packet. Each of the context data elements that are possibly grouped at least in part is thus ciphered by using a predetermined encryption key. The encryption key may have been generated by using a HMAC type derivation function.

Optionally, the phone is adapted to weigh, according to the authentication policy, one or several (identified) collected context data element(s) of the collected context data element(s) that may have been previously grouped within the data packet. Such a collected context data element weighing may depend on a predetermined hash type algorithm to be used for generating a hash. Such a collected context data element weighing allows favouring the concerned collected context data element(s) and/or the concerned context data group(s) with respect to the other context data elements comprised within the concerned data packet. To weigh the concerned context data element(s), the phone 14 may duplicate the concerned context data element(s).

Optionally, the phone is arranged preferably according to the authentication policy, to sort, according to a numerical order, such as an increasing or a decreasing numerical order, the collected context data element(s) within the data packet. Such a (collected) context data element sorting allows preserving, depending on the used hash type algorithm, a generation of a corresponding hash and therefore a corresponding hash distance, i.e. the hash to be generated does not change when the concerned context data element sorting order is kept.

According to an essential invention feature, the phone 14 is configured to generate a hash by using a predetermined hash type algorithm and the data packet, as input to the predetermined hash type algorithm.

The predetermined hash type algorithm may be one of the following algorithms: a Locality Sensitive Hash (or LSH) type algorithm, a fuzzy matching type algorithm, a Trend micro Locality Sensitive Hash (or TLSH) type algorithm, a nilsimsa type algorithm, an sdhash type algorithm, an ssdeep type algorithm, an approximate matching type algorithm, a near duplicate matching type algorithm and a similarity detection type algorithm.

Such a list of hash type algorithms is given without being exhaustive as mere examples for an hash type algorithm that may be used for generating a hash with, as input, a data packet.

The hash type algorithm may incorporate a weighting, within the collected context data element(s), of one or several context data elements and/or one or several context data element group(s).

The phone 14 is arranged to send to the server 16, as a second (authentication) device, the generated hash.

Such a generated hash, as a cipher and a kind of context signature, allows not to disclose any original (user) private data that has been locally collected and therefore preserve the data privacy.

The generated hash has a fixed length that is a few data (up to a few kbits).

- 5 Instead of being constituted by a (physical) server, the second device may be constituted by e.g., a smart phone, a PC, a vehicle, a virtual reality device, an augmented reality device, an Internet Of Things type device, a set-top box, a tablet computer, a desktop computer, a laptop computer, a video player, an audio player, a media-player, a game console, a netbook, a Personal Digital Assistant (or PDA), and/or
10 any other computer device. Such a list of second devices is given as mere examples for a second device that may be used without being exhaustive.

Instead of being constituted by a physical second device, a software component, such as a library, or a hardware component carries out the functions that are described infra and that are performed by the server 16.

- 15 The server 16 is connected to the phone 14 over the link 15.

The server 16 is remote and accessible through possibly one, two or more communication networks, such as an Intranet network and/or an Internet network, that allow to define or form a corresponding communication channel.

The corresponding communication channel may be secure or unsecure.

- 20 According to an alternative embodiment (not represented), the server 16 is local. For example, the server 16 is embedded within a device, such as an SE that is connected or coupled to the PC 14.

- The server 16 may be operated or managed by a Mobile Network Operator (or MNO), a Mobile Virtual Network Operator (or MVNO), a banking Operator, a wire
25 communication network operator, a service Operator (or administrator) or on behalf of a service Operator, as a service provider.

- The server 16 includes one or several CPU(s), (micro)processor(s) and/or (micro)controller(s) 162, as data processing means, one or several memories 164, as data storing means, and one or several I/O interfaces 166 that are internally together
30 connected.

A (or the) server I/O interface 166 is used for communicating with external devices, such as the first device 14.

A (or the) server memory 164 stores preferably, besides an OS, an invention (server) authentication application accessible from the server 16 processor.

A (or the) server memory 164 stores or registers a database.

The database includes a set of e.g. first device accounts. The database relates to
5 a set of e.g. first devices, as a fleet of first devices.

Each first device account may include one or several associated user identifiers, such as a user name.

The database includes preferably, in association with e.g. each (identified) first device account, a corresponding predetermined reference hash.

10 The predetermined reference hash has been previously (i.e. during an enrolment or registration phase and prior to any (context) authentication) registered while using the invention authentication process.

The database may associate, for each individual first device or the first device set, a registered predetermined hash type algorithm.

15 The predetermined hash type algorithm may be one of the following algorithms an LSH type algorithm, a fuzzy matching type algorithm, a TLSH type algorithm, a nilsimsa type algorithm, an sdhash type algorithm, an ssdeep type algorithm, an approximate matching type algorithm, a near duplicate matching type algorithm and a similarity detection type algorithm.

20 Such a list of hash type algorithms is given without being exhaustive as mere examples for an hash type algorithm that may be used for generating a hash distance with, as inputs, a generated hash (to be received from a client device) and a corresponding (registered) reference hash.

The database may associate, for each individual first device or the first device set,
25 a registered predetermined threshold value.

The predetermined threshold value has been previously (i.e. prior to any (context) authentication) registered. The predetermined threshold value is configurable according to a level of risk that the concerned service provider may take.

The (or each) server processor processes data originating from and/or intended to
30 any internal component and data originating from and/or intended to any external device through one or several server I/O interfaces.

The server 16 supports one or several OSs.

The server 16 supports a server application that allows the server 16, after a hash reception and a corresponding hash distance generation, to authenticate (or not), based on the hash distance, the concerned phone context.

5 The server 16 may be configured to generate and send an authentication policy to the first device, such as the phone 14, prior to any first device enrolment.

The server 16 is adapted to receive, from an (identified) client device, such as the phone 14, a generated hash.

The server 16 identifies, based on a received e.g. client device ID(s), a corresponding first device registered within the database accessible to the server 16.

10 Then, the server 16 retrieves a predetermined reference hash that is registered in association with the registered first device or a corresponding first device fleet.

According to an essential invention feature, the server 16 is configured to generate on-the-fly, i.e. when a first device launches a login (or connection) session with the server 16, a score, as a hash distance between the (received) generated hash and a
15 (registered) predetermined reference hash.

To generate the score, the server 16 uses the (retrieved) predetermined hash type algorithm and the (retrieved) predetermined reference hash.

The server 16 is adapted to authenticate successfully or not, based on the generated hash distance, the concerned context 12.

20 More exactly, the server 16 is configured to fail to authenticate the context 12 if the generated hash distance is less than the (retrieved) predetermined threshold value.

The server 16 is configured to succeed in authenticating the context 12 if the generated hash distance is equal to or greater than the (retrieved) predetermined threshold value.

25 The server 16 may be adapted to store, preferably in a secure and persistent manner, the (received) generated hash, each time the authentication is successful. Such a generated hash storage when the authentication is successful allows to trace the success authentication history or evolution.

Alternately (or additionally), each time the authentication is successful, the server
30 16 is arranged to register, instead of the predetermined reference hash, the (received) generated hash, as an updated reference hash to be used for a next authentication. The authentication process taking into account the last generated hash, as the updated

reference hash for a new (context) authentication, lets evolve the corresponding reference hash with the time at each authentication success.

Figure 2 depicts an example of a message flow 20 that involves the phone 14 and the server 16, so that the server 16 authenticates the context 12 based on a hash distance between a (received) generated hash and a (registered) predetermined reference hash.

It is assumed that the authentication policy has been provided during a personalization phase to the phone 14. The authentication policy requests to collect an image relating to the user 11 face, an image relating to the TV 13 and a phone ID, as three context data elements to be detected, so as to authenticate the user 11.

It is further assumed that the server 16 has previously registered (not represented) a user 11 ID in association with the phone 14 number, as a phone ID, a predetermined reference hash corresponding to the user 11 face image, the TV 13 image and the phone ID, as corresponding context data elements, a predetermined threshold value, such as e.g. 75%, and a predetermined hash type algorithm to be used for generating a hash distance.

It is assumed that the predetermined hash type algorithm to be used for generating a hash and a corresponding hash distance is e.g. a LSH type algorithm.

The use of an LSH type algorithm allows generating similar hashes, i.e. a hash distance or score that is good, i.e. the score is equal or greater than the predefined threshold value, when there is a slight change between the hash relating to the current context under survey and the reference hash relating to a corresponding reference context.

The phone 14 thus constitutes a reference first (communication) device to be locally present within the user 11 context 12, so as to authenticate, through the context 12, the user 11.

It is further assumed that the phone 14 accesses the phone 14 ID and an image signal captured by the phone camera 142.

An execution of the client application supported by the phone 14 is automatically launched (i.e. without any involvement of the user 11).

Alternately, the user 11 launches the client application while using an MMI that is included in or connected to the phone 14.

The phone 14 gets, through the phone camera 142, an image signal 22 relating to all the physical human(s) (and/or animal(s)) and/or thing(s) that are present in front of the phone 14.

In the present scenario, the image signal includes e.g. the user 11 face image and
5 the TV 13 image.

The phone 14 retrieves (not represented) from a phone memory the MSISDN of the phone 14, as the phone 14 ID.

Instead of collecting the phone 14 ID from a phone memory, the phone 14 collects from a locally connected device, such as an SE that has preferably authenticate a user
10 e.g. through a PIN comparison to a reference PIN that is stored in an SE memory, the phone 14 ID 23.

The phone 14 collects 24 the user 11 face image and the TV 13 image while extracting from the image signal 22 the user 11 face image and the TV 13 image and the phone 14 ID, as three context data elements required by the authentication policy.

The phone 14 may group 26, based on the authentication policy, at least two
15 context data elements, e.g., the user 11 face image and the TV 13 image, as one and the same context data element group, within the collected data elements.

The phone 14 constitutes 28, based on the collected context data elements, a data packet by e.g. concatenating the collected context data elements

20 Optionally, the phone 14 enciphers 210, based on the authentication policy, the (resulting) data packet, so as to improve the security aspect. The data packet that is thus enciphered while using a key depending on e.g. user authentication impacts on the corresponding hash distance (or score). If the user is not successfully authenticated (at the client side), then the corresponding resulting hash is remote from a predetermined
25 reference hash leading to a "bad" hash distance (or score) and therefore a failure of context authentication (even if the other collected context data element(s) is(are) right with respect to a collected reference context data element(s) that produces the corresponding predetermined reference hash).

The phone 14 may weigh 212, based on the authentication policy (or the used
30 predetermined hash type algorithm), more or less heavy, one or several collected context data elements and/or one or several groups of collected context data elements with respect to the other collected context data elements within the data packet.

Optionally, the phone 14 sorts 214, according to a numerical order, such as a decreasing or an increasing order, the collected context data elements that are possibly grouped at least in part, possibly enciphered and/or possibly weighted, within the data packet.

- 5 Then, the phone 14 generates 216, by using e.g. a nilsimsa algorithm and the data packet, as input to the nilsimsa algorithm, a hash.

- The phone 14 sends, through e.g., a Short Message Service (or SMS), Multimedia Messaging Service (or MMS), Transmission Control Protocol/Internet Protocol (or TCP/IP), or HTTP(s) type channel, to an (identified) server 16 a message 218 that
10 includes the phone ID and the generated hash.

 Once the server 16 has received the message, the server 16 identifies (not represented), based on the phone ID, the concerned user 11 account and thus the associated predetermined reference hash and the associated predetermined hash type algorithm to be used for generating a hash distance.

- 15 Then, the server 16 generates a hash distance between the (received) generated hash and the predetermined reference hash.

 To generate the hash distance, the server 16 gets the reference hash and generates 220 a score by using e.g. the nilsimsa algorithm and the received generated hash and the predetermined reference hash, as the two inputs to the nilsimsa algorithm.

- 20 The score is considered as a level of similarity between the received generated hash and the predetermined reference hash. For instance with the nilsimsa algorithm, the score is "0" (zero) when there is no similarity i.e.0% of similarity, is "96" when there is 75% of similarity and is "128" when there is a full similarity, i.e. 100% of similarity.

- Once the server 16 has generated the hash distance, the server 16 verifies 222
25 whether the authentication is or is not successful based on the generated hash distance. To do such an authentication verification, the server 16 compares 222 the generated score with respect to the predetermined threshold value.

- If the generated score is less than the predetermined threshold value, then the server 16 fails 223 to authenticate, through the user context 12, the user 11 and denies
30 user access to the service(s) managed by or through the server 16.

 Otherwise, i.e. if the generated score is equal to or greater than the predetermined threshold value, then the server 16 succeeds 224 in authenticating, through the user

context 12, the user 11 and grants user access to a service(s) managed by or through the server 16.

Optionally, if the generated score is equal to or greater than the predetermined threshold value, the server 16 registers 226 the received generated hash by either
 5 further enriching (or adding to) a database relating to the reference hashes in case of authentication success or substituting the received generated hash to the registered predetermined reference hash. Thus, in this latter case, the authentication process is continuously adaptive along the way the authentication context is evolving.

Optionally, the server 16 sends (not represented) to the phone 14, through the
 10 same channel or an out-of-band channel than the one used for the submission of the generated hash, a message that includes a request to present or display the authentication result. Then, the phone 14 presents or displays the authentication result (not represented), such as "authentication failure" or "authentication success".

For the user, the invention solution is simple, easy, quick and practical since the
 15 user does not need to be involved. As a matter of fact, the user has just to present her or his face and the TV in front of the camera. The user does not need to enter any data, like e.g., an OTP, a number or a text on the first device, so as to let a first part collect the required context data elements and issue a corresponding hash to be verified by a second part, as its addressee, in order to be authenticated.

20 The invention solution allows carrying out a secure and efficient context authentication based on a hash distance that allows keeping flexibility.

The invention solution allows adapting to more or less small authentication context data element change(s), according to a level of risk to be adopted.

The invention solution does not include any oracle on the client (device) since it
 25 has no means for validating or verifying the generated hash. As a matter of fact, only the server is able to verify the generated hash.

The invention solution prevents thus from a client side brute-force attack of user authentication.

The embodiment that has just been described is not intended to limit the scope of
 30 the concerned invention. Other embodiments may be given. As another embodiment, instead of using an LR RF technology channel to transmit information to the second device, the first device uses a Short Range (or SR) RF technology(ies), like e.g., a Wi-

Fi, Bluetooth, a Near Field Communication or a Bluetooth Low Energy type technology(ies).

CLAIMS

1. An authentication method (20) comprising:
 - collecting (24), based on a predetermined authentication policy, at least one context data element;
 - 5 - constituting (28), based on the at least one collected context data element, a data packet;
 - generating (216), by using a predetermined hash type algorithm and the data packet, as input to the predetermined hash type algorithm, a hash;
 - sending the generated hash;
 - 10 - generating (220), as a hash distance generation step, a hash distance between the generated hash and a predetermined reference hash; and
 - authenticating (224) successfully or not (223) based on the generated hash distance, as an authentication step.
- 15 2. Method according to claim 1, wherein, the predetermined hash type algorithm comprising a locality sensitive hash type algorithm, the method further comprises, as the hash distance generation step and the authentication step, the following steps:
 - generating, by using the locality sensitive hash type algorithm, a score, as a level of similarity between the generated hash and the predetermined reference hash;
 - 20 - comparing the score to a predetermined threshold value;
 - authenticating successfully only if the score is equal to or greater than the predetermined threshold value.
- 25 3. Method according to claim 1 or 2, wherein, prior to generating the hash, the method further comprises sorting, according to a numerical order, the at least one collected context data element within the data packet.
4. Method according to any previous claim, wherein, prior to generating the hash, the method further comprises weighting, according to the authentication policy, at least one
 - 30 of the at least one context data element.
5. Method according to any previous claim, wherein, prior to constituting the data packet, the method further comprises grouping, according to the authentication policy,

together at least two context data elements comprised within the at least one context data element, to constitute at least one corresponding context data group.

6. Method according to any previous claim, wherein, prior to generating the hash, the
5 method further comprises ciphering, according to the authentication policy, the data packet.

7. Method according to claim 6, wherein a key used for the data packet ciphering
10 includes a key generated by using a hash-based message authentication code key type derivation function.

8. Method according to any previous claim, wherein the hash type algorithm includes
at least one element of a group including:
- a locality sensitive hash type algorithm;
15 - a Trend micro Locality Sensitive Hash type algorithm;
- a nilsimsa type algorithm;
- an sdhash type algorithm;
- an ssdeep type algorithm; and
- a fuzzy matching type algorithm;
20 - an approximate matching type algorithm;
- a near duplicate matching type algorithm; and
- a similarity detection type algorithm.

9. Method according to any previous claim, wherein, each time the authentication is
25 successful, the method further comprises storing the generated hash.

10. Method according to any previous claim, wherein, each time the authentication is
successful, the method further comprises registering, instead of the predetermined
reference hash, the generated hash, as an updated reference hash to be used for a
30 next authentication.

11. A first authentication device (14), **characterized in that** the first authentication
device is configured to:

- collect, based on a predetermined authentication policy, at least one context data element;
- constitute, based on the at least one collected context data element, a data packet;
- generate, by using a predetermined hash type algorithm and the data packet, as input
- 5 to the predetermined hash type algorithm, a hash; and
- send to a second authentication device the generated hash.

12. Device according to claim 11, wherein the first authentication device includes includes at least one element of a group including:

- 10 - a mobile phone;
- a Personal Computer;
- a vehicle;
- a desktop;
- a virtual reality device;
- 15 - an augment reality device;
- an Internet Of Things type device; and
- a computing device.

13. A second authentication device (16), **characterized in that** the second authentication device is configured to:

- receive a generated hash;
- generate a hash distance between the generated hash and a predetermined reference hash; and
- authenticate successfully or not based on the generated hash distance.

25

14. Device according to claim 13, wherein the second authentication device includes at least one element of a group including:

- a secure element;
- a local server;
- 30 - a remote server;
- a mobile phone;
- a Personal Computer;
- a vehicle;

- a desktop;
- a virtual reality device;
- an augment reality device;
- an Internet Of Things type device;
- 5 - a computing device.

15. An authentication system (10), **characterized in that**, the system comprising a first authentication device (14) and at least one second authentication device (16), the first authentication device is configured to:

- 10 - collect, based on a predetermined authentication policy, at least one context data element;
- constitute, based on the at least one collected context data element, a data packet;
- generate, by using a predetermined hash type algorithm and the data packet, as input to the predetermined hash type algorithm, a hash;
- 15 - send to the second authentication device, the generated hash; and
 - in that** the second authentication device is configured to:
 - receive from the first device, the generated hash;
 - generate a hash distance between the generated hash and a predetermined reference hash; and
- 20 - authenticate successfully or not based on the generated hash distance.

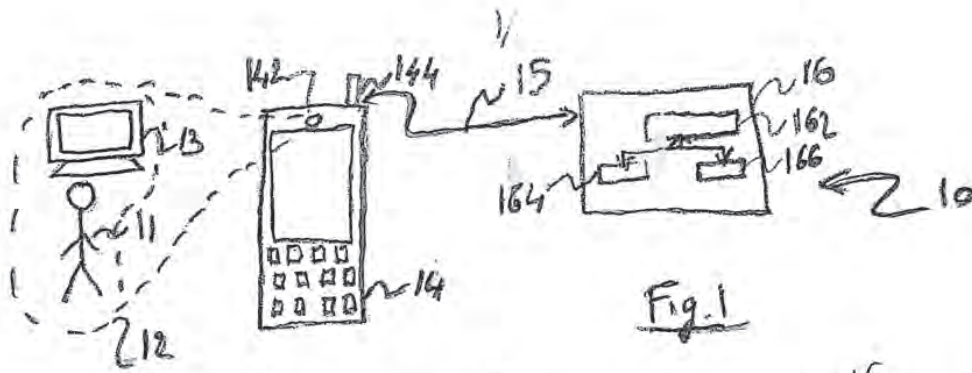
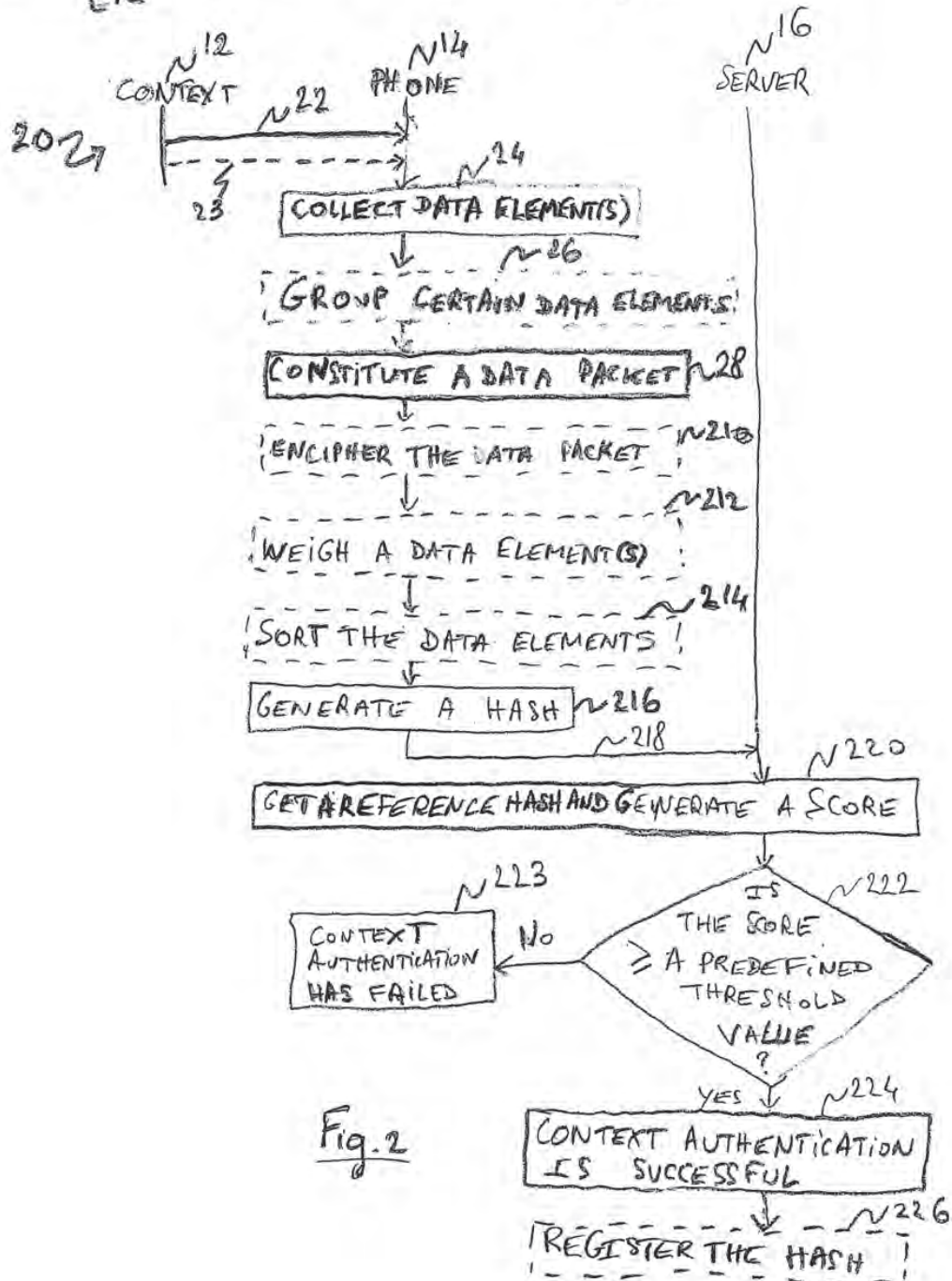
AUTHENTICATION METHOD, DEVICE AND SYSTEM**ABSTRACT**

The invention relates to an authentication method. The method comprises:

- 5 - collecting 24, based on a predetermined authentication policy, at least one context data element;
- constituting 28, based on the at least one collected context data element, a data packet;
- generating 216, by using a predetermined hash type algorithm and the data packet, as
- 10 input to the predetermined hash type algorithm, a hash;
- sending the generated hash;
- generating 220, as a hash distance generation step, a hash distance between the generated hash and a predetermined reference hash; and
- authenticating 224 successfully or not 223 based on the generated hash distance, as
- 15 an authentication step.

The invention also relates to corresponding device and system.

Figure 2



INTERNATIONAL SEARCH REPORT

International application No
PCT/EP2018/081759

A. CLASSIFICATION OF SUBJECT MATTER

INV. G06F21/32 G06F21/35
ADD.

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
G06F

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

EPO-Internal

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	EP 2 924 603 A2 (FMR LLC [US]) 30 September 2015 (2015-09-30) abstract; figures 1-6 paragraph [0005] - paragraph [0012] paragraph [0035] - paragraph [0037] -----	1-15
A	WO 2016/083216 A1 (GEMALTO SA [FR]) 2 June 2016 (2016-06-02) abstract; figures 1-2 page 1, line 23 - page 4, line 16 -----	1-15
A	US 2017/109514 A1 (CHENG HUI [US] ET AL) 20 April 2017 (2017-04-20) abstract; figures 1-11 paragraph [0017] - paragraph [0031] -----	1-15

☐ Further documents are listed in the continuation of Box C:

☒ See patent family annex:

* Special categories of cited documents :

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O document referring to an oral disclosure, use, exhibition or other means

P document published prior to the international filing date but later than the priority date claimed

T later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

X document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

Y document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art

Z document member of the same patent family

Date of the actual completion of the international search

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Authorized officer

Harms, Christoph

2

INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No

PCT/EP2018/081759

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
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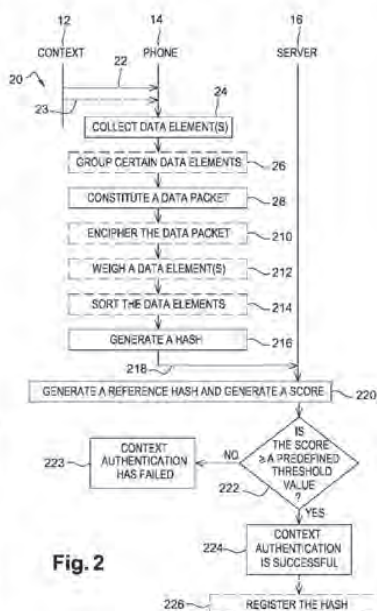


Fig. 2

(57) Abstract: The invention relates to an authentication method. The method comprises: - collecting (24), based on a predetermined authentication policy, at least one context data element; - constituting (28), based on the at least one collected context data element, a data packet; - generating (216), by using a predetermined hash type algorithm and the data packet, as input to the predetermined hash type algorithm, a hash; - sending the generated hash; - generating (220), as a hash distance generation step, a hash distance between the generated hash and a predetermined reference hash; and - authenticating (224) successfully or not (223) based on the generated hash distance, as an authentication step. The invention also relates to corresponding device and system.

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AUTHENTICATION METHOD, DEVICE AND SYSTEM**Field of the invention:**

The present invention relates generally to an authentication method and an authentication device.

- 5 Furthermore, the invention pertains to an authentication system as well. The system includes at least two devices.

The present invention is notably applicable to a field in which a first device is e.g. a mobile (tele)phone or a Personal Computer (or PC) and a second device is e.g. a (local) Secure Element (or SE) or a remote server.

- 10 Within the present description, an SE is a smart object that includes a chip(s) that protect(s), as a tamper resistant component(s), access to stored data and that is intended to communicate data with a device(s), like e.g., an SE host device, and/or an SE user.

State of the art:

- 15 EP 2 924 603 A2 describes a user authentication technique based on a transmission, from a client to a server, of a captured video signal including a physical user characteristic(s) and a physical object(s)/element(s) in the user environment. The sever analyses the captured video signal to determine a value associated with each of the visual and audio elements, as environment characteristics. The server determines a
20 total score for the captured video signal and compares the total score to a predetermined reference score. The server decides to authorize (or not) based on a comparison result.

- However, such a known solution requires a big bandwidth, namely several Mb, for an upload of the captured video signal. Moreover, the uploaded captured video signal
25 includes information that discloses the user environment and therefore private data.

There is a need of an alternative authentication solution while being more efficient and more secure than such an aforementioned known solution.

Summary of the invention:

- The invention proposes a solution for satisfying the just herein above specified
30 need by providing an authentication method.

According to the invention, the method comprises:

- collecting, based on a predetermined authentication policy, at least one context data element;

- constituting, based on the at least one collected context data element, a data packet;
- generating, by using a predetermined hash type algorithm and the data packet, as input to the predetermined hash type algorithm, a hash;
- sending the generated hash;
- 5 - generating, as a hash distance generation step, a hash distance between the generated hash and a predetermined reference hash; and
- authenticating successfully or not based on the generated hash distance, as an authentication step.

The principle of the invention consists in capturing, at a client device side, (local)
10 context (or environment) data element(s) depending on an authentication policy, building a corresponding data packet and determining with a predefined hash type algorithm and, as input, the data packet a corresponding hash. The client device sends the determined hash. Then, a hash distance between the determined hash and a predefined reference hash is determined. The thus determined hash distance is then
15 used for authenticating (or not) the tested authentication context (under survey).

The authentication policy defines notably the number and/or the nature of the context data element(s) to be captured. The authentication policy may include data relating to the used (client) device, a user, object(s) or thing(s) to be locally present and detected. To capture the context data element(s), the invention does not impose any
20 constraint. The client device may use a camera(s), a microphone(s) and/or one or several sensors that is(are) incorporated within or connected to the client device.

The invention (authentication) solution is, through the authentication policy, configurable and therefore adaptable to different (local) environment or context scenario(s).

25 Since the client device (or a cooperating device, such as an SE), where there is an environment to be authenticated, generates (or determines) a hash from a data packet resulting from captured environment or context data element(s), the hash is transmitted in a secure and protected manner.

A software component, such as a library, a hardware component and/or a device
30 may carry out the hash distance generation step and the authentication step. The software component may be supported by the client device, a local device, such as an SE, cooperating with the client device, or a remote device, such as a remote server. The hardware component may be incorporated within or connected or coupled to the

client device, a local device, such as an SE, cooperating with the client device, or a remote device, such as a remote server.

It is noteworthy that the hash distance generation step provides a hash distance that allows to determine whether the generated hash is more or less close to a predefined reference hash. The hash distance allows inferring whether the
5 corresponding captured context data element(s) is(are) or is(are) not successfully authenticated, i.e. sufficiently close to respective predetermined reference captured context data element(s).

The hash distance may be generated through a hash type comparison algorithm.

10 An authentication of the concerned (local) environment or context under survey is therefore carried out through such a hash distance that is specific to (or characterizes) the invention solution.

The hash distance allows the invention solution to be resilient to more or less small changes with respect to the predefined reference hash while still authenticating
15 successfully the concerned (local) environment or context, i.e. the value of at least some captured (or collected) context data element(s) has changed slightly.

It is to be noted that the hash or digest, as a byte stream relating to original captured context data element(s), is a string of bits with a resulting length, from e.g. 32 bytes to e.g. a few kbytes. The resulting length may be (or not) variable according to the
20 captured context data element(s).

The hash relates to the original (captured) context data element(s) and reduces the number of bits (or elements of information) to be transferred with respect to the original context data element(s).

Contrary to the aforementioned prior art solution, the invention solution does not
25 need a large bandwidth to transmit data, including the hash, relating to the concerned environment or context, since the data relating to the concerned context includes only a few data (up to a few kbytes) to be transmitted.

Contrary to the aforementioned prior art solution, the invention solution is therefore efficient.

30 Moreover, the hash obfuscates the concerned original context data element(s), i.e. does not disclose any original context data element(s) in plain text.

Since no data relating to the privacy is transmitted in plain text, the invention is thus compliant with data privacy and therefore the Generation Data Protection Regulation (or GDPR).

Contrary to the aforementioned prior art solution, due to the use of a hash (and not the use of the concerned captured context data element(s) in plain text), the invention solution is secure.

The invention solution is an environment or context authentication solution that allows authenticating the concerned (local) environment or context under survey.

The invention solution is user convenient.

- Advantageously, the predetermined hash type algorithm comprising a Locality Sensitive Hash (or LSH) type algorithm, the method further comprises, as the hash distance generation step and the authentication step, the following steps:
- generating, by using the locality sensitive hash type algorithm, a score, as a level of similarity between the generated hash and the predetermined reference hash;
 - comparing the score to a predetermined threshold value;
 - authenticating successfully only if the score is equal to or greater than the predetermined threshold value.

The LSH type algorithm, as a hash type algorithm, is advantageously used to generate a score, as a hash distance used for comparing the generated hash to the predefined reference hash.

The generated score is then checked with respect to a predefined threshold value, so as to authenticate (or not) the concerned context.

Thus, the invention solution may be, through the score, as the hash distance, more or less permissive with respect to the predefined reference hash that has to be approached by the generated hash from the collected context data element(s).

It is to be noted that the score is either the hash distance itself or the result of a computation derived from the (hash) distance depending on the used algorithm for comparing the generated hash.

According to an additional aspect, the invention is a first authentication device.

- According to the invention, the first authentication device is configured to:
- collect, based on a predetermined authentication policy, at least one context data element;
 - constitute, based on the at least one collected context data element, a data packet;

- generate, by using a predetermined hash type algorithm and the data packet, as input to the predetermined hash type algorithm, a hash; and
- send to a second device the generated hash.

5 The first authentication device may be a mobile phone, a PC or any computing device.

According to an additional aspect, the invention is a second authentication device.

According to the invention, the second authentication device is configured to:

- receive a generated hash;
- generate a hash distance between the generated hash and a predetermined reference
- 10 hash; and
- authenticate successfully or not based on the generated hash distance.

The second authentication device may be a secure element, a remote server or any computing device.

According to still a further aspect, the invention is an authentication system.

15 According to the invention, the system comprising a first authentication device and at least one second authentication device, the first authentication device is configured to:

- collect, based on a predetermined authentication policy, at least one context data element;
- 20 - constitute, based on the at least one collected context data element, a data packet;
- generate, by using a predetermined hash type algorithm and the data packet, as input to the predetermined hash type algorithm, a hash;
- send to the second authentication device, the generated hash; and

the second authentication device is configured to:

- 25 - receive from the first device, the generated hash;
- generate a hash distance between the generated hash and a predetermined reference hash; and
- authenticate successfully or not based on the generated hash distance.

Brief description of the drawings:

30 Additional features and advantages of the invention will be apparent from a detailed description of one preferred embodiment of the invention, given as an indicative and non-limitative example, in conjunction with the following drawings:

- Figure 1 illustrates a simplified diagram of an exemplary embodiment of a system comprising a mobile phone and a server, the phone being configured to collect, based on a predefined authentication policy, a data element(s) comprised within the phone context, constitute a corresponding data packet, generate a corresponding hash, and send to the server the hash, the server being configured to generate a hash distance between the hash and a predetermined reference hash and authenticate, based on to the hash distance, the concerned context, according to the invention; and
- Figure 2 represents an example of a flow of messages exchanged between the user, the phone and the server of the system of figure 1, so that the server receives a hash generated at the client side, generates a corresponding hash distance and authenticates (or not), thanks to the generated hash distance, the concerned context.

Detailed description:

Herein under is considered an exemplary embodiment in which the invention authentication method is implemented notably by a phone, as a client (computer) device and a standalone entity, i.e. without cooperating with another device, such as an SE, and a remote server.

According to another exemplary embodiment (not represented), the invention authentication method is implemented by a computer device, as a terminal, in cooperation with an SE embedded within or connected to the terminal. According to such an embodiment, the SE, as a local and second authentication device, is adapted to perform the functions that are carried out by the server and described herein below while enhancing the security of stored and/or processed data.

The SE may be an incorporated chip, as a chip soldered, possibly in a removable manner, like e.g., an embedded SE, an embedded Universal Integrated Circuit Card (or eUICC) or an integrated Universal Integrated Circuit Card (or iUICC), on a Printed Circuit Board (or PCB) of the terminal, or a chip that is coupled to the terminal and included within a Universal Serial Bus (or USB), a smart card or any other medium (that may have different form factors), as an SE host device. The chip may thus be fixed to or removable from its host device, like e.g., the mobile phone.

The invention does not impose any constraint as to a kind of the SE type.

Naturally, the herein below described embodiment is only for exemplifying purposes and is not considered to reduce the scope of the present invention.

Figure 1 shows schematically an (authentication) system 10 that includes a (mobile) phone 14 and a remote (web) server 16.

The system is arranged to authenticate (or not) a context 12 (or environment) under survey.

5 The context 12 includes e.g. a user 11, as the owner of the phone 14.

Additionally (or alternately), the context 12 includes e.g. a TeleVision (or TV) set 13, as a physical object or thing.

However, the invention (authentication) solution is also applicable when the context 12 includes one or several human beings (and/or animal(s)) and/or one or
10 several (physical) things.

For the sake of simplicity, only one phone 14, as a first (authentication) device, and only one user 11 and one object, as context data elements, have been represented.

However, the server 16, as a second (authentication) device, manages a set of context accounts and respective reference (context) hashes that have been previously
15 respectively registered while using the same invention authentication process.

Instead of being constituted by a phone, the first device may be constituted by e.g., a smart phone, a PC, a vehicle, a virtual reality device, an augmented reality device, an Internet Of Things type device, a set-top box, a tablet computer, a desktop computer, a laptop computer, a video player, an audio player, a media-player, a game
20 console, a netbook, a Personal Digital Assistant (or PDA), and/or any other computer device. Such a list of first devices is given as mere examples for a first device that may be used without being exhaustive.

Instead of being constituted by a physical first device, a software component, such as a library, or a hardware component carries out the functions that are described infra
25 and that are performed by the phone 14.

The phone 14 includes one or several Central Processing Unit(s) (or CPU), (micro)processor(s) and/or (micro)controller(s) (not represented), as data processing means, one or several memories (not represented), as data storing means, and one or several Input/Output (or I/O) interfaces (not represented).

30 The (or each) phone processor processes data originating from and/or intended to any internal component and data originating from and/or intended to any external device through one or several phone I/O interfaces.

The phone memories may include one or several EEPROMs (acronym for "Electrically Erasable Programmable Read-Only Memory"), one or several ROMs (acronym for "Read Only Memory"), one or several Flash memories and/or any other memories of different types, like e.g., one or several RAMs (acronym for "Random Access Memory").

The phone 14 supports one or several Operating Systems (or OS).

The phone 14 supports a client application that allows the phone 14 to send, after a context data element collection, a corresponding data packet constitution and a corresponding hash generation, to the server 16 information including the generated hash. The generated hash allows the server 16 to authenticate (or not) the concerned context 12.

A phone 14 memory (and/or a memory of another device connected or coupled to the phone 14) stores a Mobile Station International Subscriber Directory Number (or MSISDN), as the phone 14 number, and/or the like, as a phone 14 Identifiers (or ID), , an International Mobile Equipment Identity (or IMEI), an email address and/or other data that allow(s) uniquely identifying the phone 14, as the first device.

The phone I/O interface(s) may comprise (and/or be connected to) a display screen and a keyboard, as a phone Man Machine Interface (or MMI), so as to interact with the user 11.

The phone I/O interface(s) includes e.g., a camera 142, so as to capture or collect video or picture data that is included in the environment or context that is present in front of the camera 142.

The phone I/O interface(s) includes e.g., one or several sensors that allow each to collect data relating to the context of the phone 14.

The phone I/O interface(s) includes e.g., an antenna 144, allowing to transmit data, through a Radio-Frequency (or RF) link(s) 15, as a wireless link(s), via a possible (communication) network(s), to the server 16.

The RF may be fixed at several hundreds of MHz, e.g., around 850, 900, 1800, 1900 and/or 2100 MHz, as Long Range (or LR) type RF.

The RF link 15 between the phone 14 and the server 16 is at least mono-directional, namely at least an uplink, i.e. from the phone 14 to the server 16.

The channel may be related to an HyperText Transfer Protocol (or HTTP) (Secure) (registered trademark) type channel, an Over-The-Air (or OTA), an Over-The-Internet (or OTI) type channel or any other data communication channel.

The channel using the RF link 15 may be secure or unsecure.

- 5 The phone 14 is arranged to collect, based on a predetermined authentication policy, an image (or picture) (and/or a video signal) including image data relating to the user 11 face and image data relating to the TV 13, as data elements included in the context (relating to the phone 14).

- 10 To collect a context data element(s), the phone 14 may use a Machine Learning (or ML) engine to analyse a collected (or captured) image.

Each context data element is preferably a string of bits (or units of information) with an individual fixed length.

- 15 The authentication policy allows configuring the phone 14 to process data originating from a surrounding environment of the phone 14, so as to authenticate the concerned environment.

- 20 The authentication policy is preferably previously (prior to launching an authentication process) provided by the server 16 or another server (not represented) connected to the server 16. The authentication policy comprises a set of identified context data elements to be collected, so as to define context data element(s) to be collected.

- 25 As context data element(s), the context data element(s) may include, besides image data relating to the user face and image data relating to the TV 13, other data, such as a phone ID, a Service Set Identifier (or SSID), an OS version ID, geolocation data (like e.g., Global Positioning System (or GPS) data), a user 11 heart rate (not represented) and/or other data. To collect a context data element(s), the phone 14 may get or retrieve data, such as a phone ID, stored in a memory included within the phone 14 or a device connected or coupled to the phone 14.

- 30 The authentication policy may also define how the concerned context data element(s) is transformed into a corresponding data packet, how the resulting data packet is possibly processed, such as grouped, ciphered, weighted and/or sorted, and/or how a corresponding hash has to be generated.

The authentication policy may comprise information allowing to group together at least certain collected context data elements with respect to the other collected context

data element(s). Thus, certain context data elements are to be grouped within one and the same group, such as data relating to the operation of the phone 14, like e.g., an SSID and/or an OS version ID, and/or data relating to the audio and/or visual environment.

- 5 When two or more collected context data elements are grouped, the concerned collected context data element group impacts the corresponding generated hash distance (or score) by increasing the hash distance (or score) variation, i.e. if at least one of the collected context data elements within a concerned group changes, then the resulting corresponding generated hash distance (or score) varies more than if all of the
- 10 collected context data elements of the group were kept (individually) separated from each other.

- The authentication policy may comprise data for requesting that a data packet that results from the context data element(s) (possibly grouped at least in part) has to be ciphered by using a key generated from submitted user authentication data (or one or
- 15 several data items originating from one or several external sources, such as a thermometer) (instead of being ciphered, being processed by a keyed one way function (i.e. non reversible), such as HMAC type function). Such a data packet ciphering request may further specify to use a specific encryption key, a specific encryption key generation algorithm, a specific data encryption algorithm and/or a process to generate
- 20 the concerned encryption key or algorithm. The encryption key may be generated by using user authentication data, such as a Personal Identity Number (or PIN), a One-Time Password (or OTP), a password and/or a biometric user feature(s), such as a one or several user fingerprints, a user iris, a user face and/or a user palm(s), and/or data provided by one or several external sources, such as an SE, as input to an (identified)
- 25 key generation algorithm. The encryption key may be generated by using a Hash-based Message Authentication Code (or HMAC) key derivation function.

- The authentication policy may comprise data for identifying a user authentication to be used for authenticating the user 11, when applicable, i.e. when the user authentication data is to be included in the context data element(s). For example, the
- 30 user 11 has to authenticate by providing a PIN, an OTP, a password and/or a biometric user feature(s), such as a one or several user fingerprints, a user iris, a user face and/or a user palm(s).

The authentication policy may comprise one or several weights to be associated with a specific (identified) group(s) and/or a specific (identified) context data element(s), so as to give heavier importance to the concerned group(s) and/or context data element(s) with respect to the other collected group(s) and/or collected context data element(s) within a corresponding data packet.

The authentication policy may comprise data for requesting that, prior to generating a corresponding hash, the context data element(s) (possibly grouped at least in part) has to be sorted, according to a predetermined numerical order, such as an increasing or decreasing numerical order.

The authentication policy may comprise data for identifying a hash type algorithm to be used for generating a hash relating to the collected context data element(s).

The authentication policy may comprise data for identifying several hash type algorithms to be used for generating several hashes relating to the collected context data elements which may have separate natures of data elements. The corresponding hash distance (or score) to be generated is then averaged (or weighted) the hashes resulting from each hash type algorithms.

Optionally, the phone 14 is arranged, preferably according to the authentication policy, to group at least two collected context data elements within the collected context data elements within the data packet.

The phone 14 is adapted to constitute, based on the collected context data element(s), a (resulting) data packet by e.g. concatenating the collected context data element(s).

The data packet is a kind of passphrase comprising, as word(s), the collected context data element(s).

The data packet is a string of bits (or units of information) with a resulting length that may vary depending on the collected context data element length(s) between separate context authentication sessions. The data packet length corresponds to an addition of all of the individual length(s) relating to the collected context data element(s).

Optionally, the phone 14 is adapted, preferably according to the authentication policy, to cipher or encrypt the data packet. Each of the context data elements that are possibly grouped at least in part is thus ciphered by using a predetermined encryption key. The encryption key may have been generated by using a HMAC type derivation function.

Optionally, the phone is adapted to weigh, according to the authentication policy, one or several (identified) collected context data element(s) of the collected context data element(s) that may have been previously grouped within the data packet. Such a collected context data element weighing may depend on a predetermined hash type algorithm to be used for generating a hash. Such a collected context data element weighing allows favouring the concerned collected context data element(s) and/or the concerned context data group(s) with respect to the other context data elements comprised within the concerned data packet. To weigh the concerned context data element(s), the phone 14 may duplicate the concerned context data element(s).

10 Optionally, the phone is arranged preferably according to the authentication policy, to sort, according to a numerical order, such as an increasing or a decreasing numerical order, the collected context data element(s) within the data packet. Such a (collected) context data element sorting allows preserving, depending on the used hash type algorithm, a generation of a corresponding hash and therefore a corresponding hash distance, i.e. the hash to be generated does not change when the concerned context data element sorting order is kept.

According to an essential invention feature, the phone 14 is configured to generate a hash by using a predetermined hash type algorithm and the data packet, as input to the predetermined hash type algorithm.

20 The predetermined hash type algorithm may be one of the following algorithms: a Locality Sensitive Hash (or LSH) type algorithm, a fuzzy matching type algorithm, a Trend micro Locality Sensitive Hash (or TLSH) type algorithm, a nilsimsa type algorithm, an sdhash type algorithm, an ssdeep type algorithm, an approximate matching type algorithm, a near duplicate matching type algorithm and a similarity detection type algorithm.

Such a list of hash type algorithms is given without being exhaustive as mere examples for an hash type algorithm that may be used for generating a hash with, as input, a data packet.

30 The hash type algorithm may incorporate a weighting, within the collected context data element(s), of one or several context data elements and/or one or several context data element group(s).

The phone 14 is arranged to send to the server 16, as a second (authentication) device, the generated hash.

Such a generated hash, as a cipher and a kind of context signature, allows not to disclose any original (user) private data that has been locally collected and therefore preserve the data privacy.

The generated hash has a fixed length that is a few data (up to a few kbits).

- 5 Instead of being constituted by a (physical) server, the second device may be constituted by e.g., a smart phone, a PC, a vehicle, a virtual reality device, an augmented reality device, an Internet Of Things type device, a set-top box, a tablet computer, a desktop computer, a laptop computer, a video player, an audio player, a media-player, a game console, a netbook, a Personal Digital Assistant (or PDA), and/or
10 any other computer device. Such a list of second devices is given as mere examples for a second device that may be used without being exhaustive.

Instead of being constituted by a physical second device, a software component, such as a library, or a hardware component carries out the functions that are described infra and that are performed by the server 16.

- 15 The server 16 is connected to the phone 14 over the link 15.

The server 16 is remote and accessible through possibly one, two or more communication networks, such as an Intranet network and/or an Internet network, that allow to define or form a corresponding communication channel.

The corresponding communication channel may be secure or unsecure.

- 20 According to an alternative embodiment (not represented), the server 16 is local. For example, the server 16 is embedded within a device, such as an SE that is connected or coupled to the PC 14.

- The server 16 may be operated or managed by a Mobile Network Operator (or MNO), a Mobile Virtual Network Operator (or MVNO), a banking Operator, a wire
25 communication network operator, a service Operator (or administrator) or on behalf of a service Operator, as a service provider.

- The server 16 includes one or several CPU(s), (micro)processor(s) and/or (micro)controller(s) 162, as data processing means, one or several memories 164, as data storing means, and one or several I/O interfaces 166 that are internally together
30 connected.

A (or the) server I/O interface 166 is used for communicating with external devices, such as the first device 14.

A (or the) server memory 164 stores preferably, besides an OS, an invention (server) authentication application accessible from the server 16 processor.

A (or the) server memory 164 stores or registers a database.

The database includes a set of e.g. first device accounts. The database relates to
5 a set of e.g. first devices, as a fleet of first devices.

Each first device account may include one or several associated user identifiers, such as a user name.

The database includes preferably, in association with e.g. each (identified) first device account, a corresponding predetermined reference hash.

10 The predetermined reference hash has been previously (i.e. during an enrolment or registration phase and prior to any (context) authentication) registered while using the invention authentication process.

The database may associate, for each individual first device or the first device set, a registered predetermined hash type algorithm.

15 The predetermined hash type algorithm may be one of the following algorithms an LSH type algorithm, a fuzzy matching type algorithm, a TLSH type algorithm, a nilsimsha type algorithm, an sdhash type algorithm, an ssdeep type algorithm, an approximate matching type algorithm, a near duplicate matching type algorithm and a similarity detection type algorithm.

20 Such a list of hash type algorithms is given without being exhaustive as mere examples for an hash type algorithm that may be used for generating a hash distance with, as inputs, a generated hash (to be received from a client device) and a corresponding (registered) reference hash.

The database may associate, for each individual first device or the first device set,
25 a registered predetermined threshold value.

The predetermined threshold value has been previously (i.e. prior to any (context) authentication) registered. The predetermined threshold value is configurable according to a level of risk that the concerned service provider may take.

The (or each) server processor processes data originating from and/or intended to
30 any internal component and data originating from and/or intended to any external device through one or several server I/O interfaces.

The server 16 supports one or several OSs.

The server 16 supports a server application that allows the server 16, after a hash reception and a corresponding hash distance generation, to authenticate (or not), based on the hash distance, the concerned phone context.

5 The server 16 may be configured to generate and send an authentication policy to the first device, such as the phone 14, prior to any first device enrolment.

The server 16 is adapted to receive, from an (identified) client device, such as the phone 14, a generated hash.

The server 16 identifies, based on a received e.g. client device ID(s), a corresponding first device registered within the database accessible to the server 16.

10 Then, the server 16 retrieves a predetermined reference hash that is registered in association with the registered first device or a corresponding first device fleet.

According to an essential invention feature, the server 16 is configured to generate on-the-fly, i.e. when a first device launches a login (or connection) session with the server 16, a score, as a hash distance between the (received) generated hash and a
15 (registered) predetermined reference hash.

To generate the score, the server 16 uses the (retrieved) predetermined hash type algorithm and the (retrieved) predetermined reference hash.

The server 16 is adapted to authenticate successfully or not, based on the generated hash distance, the concerned context 12.

20 More exactly, the server 16 is configured to fail to authenticate the context 12 if the generated hash distance is less than the (retrieved) predetermined threshold value.

The server 16 is configured to succeed in authenticating the context 12 if the generated hash distance is equal to or greater than the (retrieved) predetermined threshold value.

25 The server 16 may be adapted to store, preferably in a secure and persistent manner, the (received) generated hash, each time the authentication is successful. Such a generated hash storage when the authentication is successful allows to trace the success authentication history or evolvement.

Alternately (or additionally), each time the authentication is successful, the server
30 16 is arranged to register, instead of the predetermined reference hash, the (received) generated hash, as an updated reference hash to be used for a next authentication. The authentication process taking into account the last generated hash, as the updated

reference hash for a new (context) authentication, lets evolve the corresponding reference hash with the time at each authentication success.

Figure 2 depicts an example of a message flow 20 that involves the phone 14 and the server 16, so that the server 16 authenticates the context 12 based on a hash distance between a (received) generated hash and a (registered) predetermined reference hash.

It is assumed that the authentication policy has been provided during a personalization phase to the phone 14. The authentication policy requests to collect an image relating to the user 11 face, an image relating to the TV 13 and a phone ID, as three context data elements to be detected, so as to authenticate the user 11.

It is further assumed that the server 16 has previously registered (not represented) a user 11 ID in association with the phone 14 number, as a phone ID, a predetermined reference hash corresponding to the user 11 face image, the TV 13 image and the phone ID, as corresponding context data elements, a predetermined threshold value, such as e.g. 75%, and a predetermined hash type algorithm to be used for generating a hash distance.

It is assumed that the predetermined hash type algorithm to be used for generating a hash and a corresponding hash distance is e.g. a LSH type algorithm.

The use of an LSH type algorithm allows generating similar hashes, i.e. a hash distance or score that is good, i.e. the score is equal or greater than the predefined threshold value, when there is a slight change between the hash relating to the current context under survey and the reference hash relating to a corresponding reference context.

The phone 14 thus constitutes a reference first (communication) device to be locally present within the user 11 context 12, so as to authenticate, through the context 12, the user 11.

It is further assumed that the phone 14 accesses the phone 14 ID and an image signal captured by the phone camera 142.

An execution of the client application supported by the phone 14 is automatically launched (i.e. without any involvement of the user 11).

Alternately, the user 11 launches the client application while using an MMI that is included in or connected to the phone 14.

The phone 14 gets, through the phone camera 142, an image signal 22 relating to all the physical human(s) (and/or animal(s)) and/or thing(s) that are present in front of the phone 14.

In the present scenario, the image signal includes e.g. the user 11 face image and
5 the TV 13 image.

The phone 14 retrieves (not represented) from a phone memory the MSISDN of the phone 14, as the phone 14 ID.

Instead of collecting the phone 14 ID from a phone memory, the phone 14 collects from a locally connected device, such as an SE that has preferably authenticate a user
10 e.g. through a PIN comparison to a reference PIN that is stored in an SE memory, the phone 14 ID 23.

The phone 14 collects 24 the user 11 face image and the TV 13 image while extracting from the image signal 22 the user 11 face image and the TV 13 image and the phone 14 ID, as three context data elements required by the authentication policy.

15 The phone 14 may group 26, based on the authentication policy, at least two context data elements, e.g., the user 11 face image and the TV 13 image, as one and the same context data element group, within the collected data elements.

The phone 14 constitutes 28, based on the collected context data elements, a data packet by e.g. concatenating the collected context data elements

20 Optionally, the phone 14 enciphers 210, based on the authentication policy, the (resulting) data packet, so as to improve the security aspect. The data packet that is thus enciphered while using a key depending on e.g. user authentication impacts on the corresponding hash distance (or score). If the user is not successfully authenticated (at the client side), then the corresponding resulting hash is remote from a predetermined
25 reference hash leading to a "bad" hash distance (or score) and therefore a failure of context authentication (even if the other collected context data element(s) is(are) right with respect to a collected reference context data element(s) that produces the corresponding predetermined reference hash).

The phone 14 may weigh 212, based on the authentication policy (or the used
30 predetermined hash type algorithm), more or less heavy, one or several collected context data elements and/or one or several groups of collected context data elements with respect to the other collected context data elements within the data packet.

Optionally, the phone 14 sorts 214, according to a numerical order, such as a decreasing or an increasing order, the collected context data elements that are possibly grouped at least in part, possibly enciphered and/or possibly weighted, within the data packet.

- 5 Then, the phone 14 generates 216, by using e.g. a nilsimsa algorithm and the data packet, as input to the nilsimsa algorithm, a hash.

10 The phone 14 sends, through e.g., a Short Message Service (or SMS), Multimedia Messaging Service (or MMS), Transmission Control Protocol/Internet Protocol (or TCP/IP), or HTTP(s) type channel, to an (identified) server 16 a message 218 that includes the phone ID and the generated hash.

Once the server 16 has received the message, the server 16 identifies (not represented), based on the phone ID, the concerned user 11 account and thus the associated predetermined reference hash and the associated predetermined hash type algorithm to be used for generating a hash distance.

- 15 Then, the server 16 generates a hash distance between the (received) generated hash and the predetermined reference hash.

To generate the hash distance, the server 16 gets the reference hash and generates 220 a score by using e.g. the nilsimsa algorithm and the received generated hash and the predetermined reference hash, as the two inputs to the nilsimsa algorithm.

- 20 The score is considered as a level of similarity between the received generated hash and the predetermined reference hash. For instance with the nilsimsa algorithm, the score is "0" (zero) when there is no similarity i.e.0% of similarity, is "96" when there is 75% of similarity and is "128" when there is a full similarity, i.e. 100% of similarity.

25 Once the server 16 has generated the hash distance, the server 16 verifies 222 whether the authentication is or is not successful based on the generated hash distance. To do such an authentication verification, the server 16 compares 222 the generated score with respect to the predetermined threshold value.

- 30 If the generated score is less than the predetermined threshold value, then the server 16 fails 223 to authenticate, through the user context 12, the user 11 and denies user access to the service(s) managed by or through the server 16.

Otherwise, i.e. if the generated score is equal to or greater than the predetermined threshold value, then the server 16 succeeds 224 in authenticating, through the user

context 12, the user 11 and grants user access to a service(s) managed by or through the server 16.

Optionally, if the generated score is equal to or greater than the predetermined threshold value, the server 16 registers 226 the received generated hash by either
5 further enriching (or adding to) a database relating to the reference hashes in case of authentication success or substituting the received generated hash to the registered predetermined reference hash. Thus, in this latter case, the authentication process is continuously adaptive along the way the authentication context is evolving.

Optionally, the server 16 sends (not represented) to the phone 14, through the
10 same channel or an out-of-band channel than the one used for the submission of the generated hash, a message that includes a request to present or display the authentication result. Then, the phone 14 presents or displays the authentication result (not represented), such as "authentication failure" or "authentication success".

For the user, the invention solution is simple, easy, quick and practical since the
15 user does not need to be involved. As a matter of fact, the user has just to present her or his face and the TV in front of the camera. The user does not need to enter any data, like e.g., an OTP, a number or a text on the first device, so as to let a first part collect the required context data elements and issue a corresponding hash to be verified by a second part, as its addressee, in order to be authenticated.

20 The invention solution allows carrying out a secure and efficient context authentication based on a hash distance that allows keeping flexibility.

The invention solution allows adapting to more or less small authentication context data element change(s), according to a level of risk to be adopted.

The invention solution does not include any oracle on the client (device) since it
25 has no means for validating or verifying the generated hash. As a matter of fact, only the server is able to verify the generated hash.

The invention solution prevents thus from a client side brute-force attack of user authentication.

The embodiment that has just been described is not intended to limit the scope of
30 the concerned invention. Other embodiments may be given. As another embodiment, instead of using an LR RF technology channel to transmit information to the second device, the first device uses a Short Range (or SR) RF technology(ies), like e.g., a Wi-

Fi, Bluetooth, a Near Field Communication or a Bluetooth Low Energy type technology(ies).

CLAIMS

1. An authentication method (20) comprising:
 - collecting (24), based on a predetermined authentication policy, at least one context data element;
 - 5 - constituting (28), based on the at least one collected context data element, a data packet;
 - generating (216), by using a predetermined hash type algorithm and the data packet, as input to the predetermined hash type algorithm, a hash;
 - sending the generated hash;
 - 10 - generating (220), as a hash distance generation step, a hash distance between the generated hash and a predetermined reference hash; and
 - authenticating (224) successfully or not (223) based on the generated hash distance, as an authentication step.
- 15 2. Method according to claim 1, wherein, the predetermined hash type algorithm comprising a locality sensitive hash type algorithm, the method further comprises, as the hash distance generation step and the authentication step, the following steps:
 - generating, by using the locality sensitive hash type algorithm, a score, as a level of similarity between the generated hash and the predetermined reference hash;
 - 20 - comparing the score to a predetermined threshold value;
 - authenticating successfully only if the score is equal to or greater than the predetermined threshold value.
- 25 3. Method according to claim 1 or 2, wherein, prior to generating the hash, the method further comprises sorting, according to a numerical order, the at least one collected context data element within the data packet.
4. Method according to any previous claim, wherein, prior to generating the hash, the method further comprises weighting, according to the authentication policy, at least one
30 of the at least one context data element.
5. Method according to any previous claim, wherein, prior to constituting the data packet, the method further comprises grouping, according to the authentication policy,

together at least two context data elements comprised within the at least one context data element, to constitute at least one corresponding context data group.

6. Method according to any previous claim, wherein, prior to generating the hash, the
5 method further comprises ciphering, according to the authentication policy, the data packet.
7. Method according to claim 6, wherein a key used for the data packet ciphering
10 includes a key generated by using a hash-based message authentication code key type derivation function.
8. Method according to any previous claim, wherein the hash type algorithm includes
at least one element of a group including:
- a locality sensitive hash type algorithm;
 - 15 - a Trend micro Locality Sensitive Hash type algorithm;
 - a nilsimsa type algorithm;
 - an sdhash type algorithm;
 - an ssdeep type algorithm; and
 - a fuzzy matching type algorithm;
 - 20 - an approximate matching type algorithm;
 - a near duplicate matching type algorithm; and
 - a similarity detection type algorithm.
9. Method according to any previous claim, wherein, each time the authentication is
25 successful, the method further comprises storing the generated hash.
10. Method according to any previous claim, wherein, each time the authentication is
successful, the method further comprises registering, instead of the predetermined
reference hash, the generated hash, as an updated reference hash to be used for a
30 next authentication.
11. A first authentication device (14), **characterized in that** the first authentication
device is configured to:

- collect, based on a predetermined authentication policy, at least one context data element;
- constitute, based on the at least one collected context data element, a data packet;
- generate, by using a predetermined hash type algorithm and the data packet, as input
- 5 to the predetermined hash type algorithm, a hash; and
- send to a second authentication device the generated hash.

12. Device according to claim 11, wherein the first authentication device includes at least one element of a group including:

- 10 - a mobile phone;
- a Personal Computer;
- a vehicle;
- a desktop;
- a virtual reality device;
- 15 - an augment reality device;
- an Internet Of Things type device; and
- a computing device.

13. A second authentication device (16), **characterized in that** the second authentication device is configured to:

- receive a generated hash;
- generate a hash distance between the generated hash and a predetermined reference hash; and
- authenticate successfully or not based on the generated hash distance.

25

14. Device according to claim 13, wherein the second authentication device includes at least one element of a group including:

- a secure element;
- a local server;
- 30 - a remote server;
- a mobile phone;
- a Personal Computer;
- a vehicle;

- a desktop;
- a virtual reality device;
- an augment reality device;
- an Internet Of Things type device;
- 5 - a computing device.

15. An authentication system (10), **characterized in that**, the system comprising a first authentication device (14) and at least one second authentication device (16), the first authentication device is configured to:

- 10 - collect, based on a predetermined authentication policy, at least one context data element;
 - constitute, based on the at least one collected context data element, a data packet;
 - generate, by using a predetermined hash type algorithm and the data packet, as input to the predetermined hash type algorithm, a hash;
 - 15 - send to the second authentication device, the generated hash; and
- in that** the second authentication device is configured to:
- receive from the first device, the generated hash;
 - generate a hash distance between the generated hash and a predetermined reference hash; and
 - 20 - authenticate successfully or not based on the generated hash distance.

AMENDED CLAIMS

received by the International Bureau on 19 April 2019 (19.04.2019)

1. An authentication method (20) comprising:
 - collecting (24), based on a predetermined authentication policy, at least one context data element;
 - 5 - constituting (28), based on the at least one collected context data element, a data packet;
 - generating (216), by using a predetermined hash type algorithm and the data packet, as input to the predetermined hash type algorithm, a hash;
 - sending the generated hash;
 - 10 - generating (220), as a hash distance generation step, a hash distance between the generated hash and a predetermined reference hash; and
 - authenticating (224) successfully or not (223) based on the generated hash distance, as an authentication step.
- 15 2. Method according to claim 1, wherein, the predetermined hash type algorithm comprising a locality sensitive hash type algorithm, the method further comprises, as the hash distance generation step and the authentication step, the following steps:
 - generating, by using the locality sensitive hash type algorithm, a score, as a level of similarity between the generated hash and the predetermined reference hash;
 - 20 - comparing the score to a predetermined threshold value;
 - authenticating successfully only if the score is equal to or greater than the predetermined threshold value.
- 25 3. Method according to claim 1 or 2, wherein, prior to generating the hash, the method further comprises sorting, according to a numerical order, the at least one collected context data element within the data packet.
4. Method according to any previous claim, wherein, prior to generating the hash, the method further comprises weighting, according to the authentication policy, at least one
30 of the at least one context data element.
5. Method according to any previous claim, wherein, prior to constituting the data packet, the method further comprises grouping, according to the authentication policy,

AMENDED SHEET (ARTICLE 19)

together at least two context data elements comprised within the at least one context data element, to constitute at least one corresponding context data group.

6. Method according to any previous claim, wherein, prior to generating the hash, the
5 method further comprises ciphering, according to the authentication policy, the data packet.

7. Method according to claim 6, wherein a key used for the data packet ciphering
10 includes a key generated by using a hash-based message authentication code key type derivation function.

8. A first authentication device (14), **characterized in that** the first authentication device is configured to:
15 - collect, based on a predetermined authentication policy, at least one context data element;
- constitute, based on the at least one collected context data element, a data packet;
- generate, by using a predetermined hash type algorithm and the data packet, as input to the predetermined hash type algorithm, a hash; and
20 - send to a second authentication device the generated hash.

9. A second authentication device (16), **characterized in that** the second authentication device is configured to:
- receive a generated hash;
25 - generate a hash distance between the generated hash and a predetermined reference hash; and
- authenticate successfully or not based on the generated hash distance.

10. An authentication system (10), **characterized in that**, the system comprising a
30 first authentication device (14) and at least one second authentication device (16), the first authentication device is configured to:
- collect, based on a predetermined authentication policy, at least one context data element;

AMENDED SHEET (ARTICLE 19)

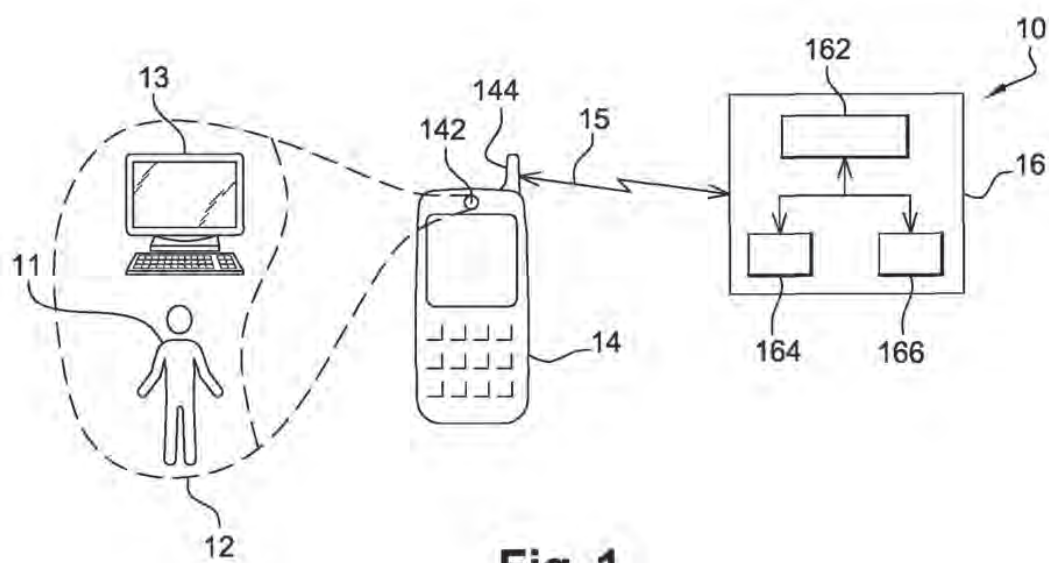
- constitute, based on the at least one collected context data element, a data packet;
- generate, by using a predetermined hash type algorithm and the data packet, as input to the predetermined hash type algorithm, a hash;
- send to the second authentication device, the generated hash; and

5 **in that** the second authentication device is configured to:

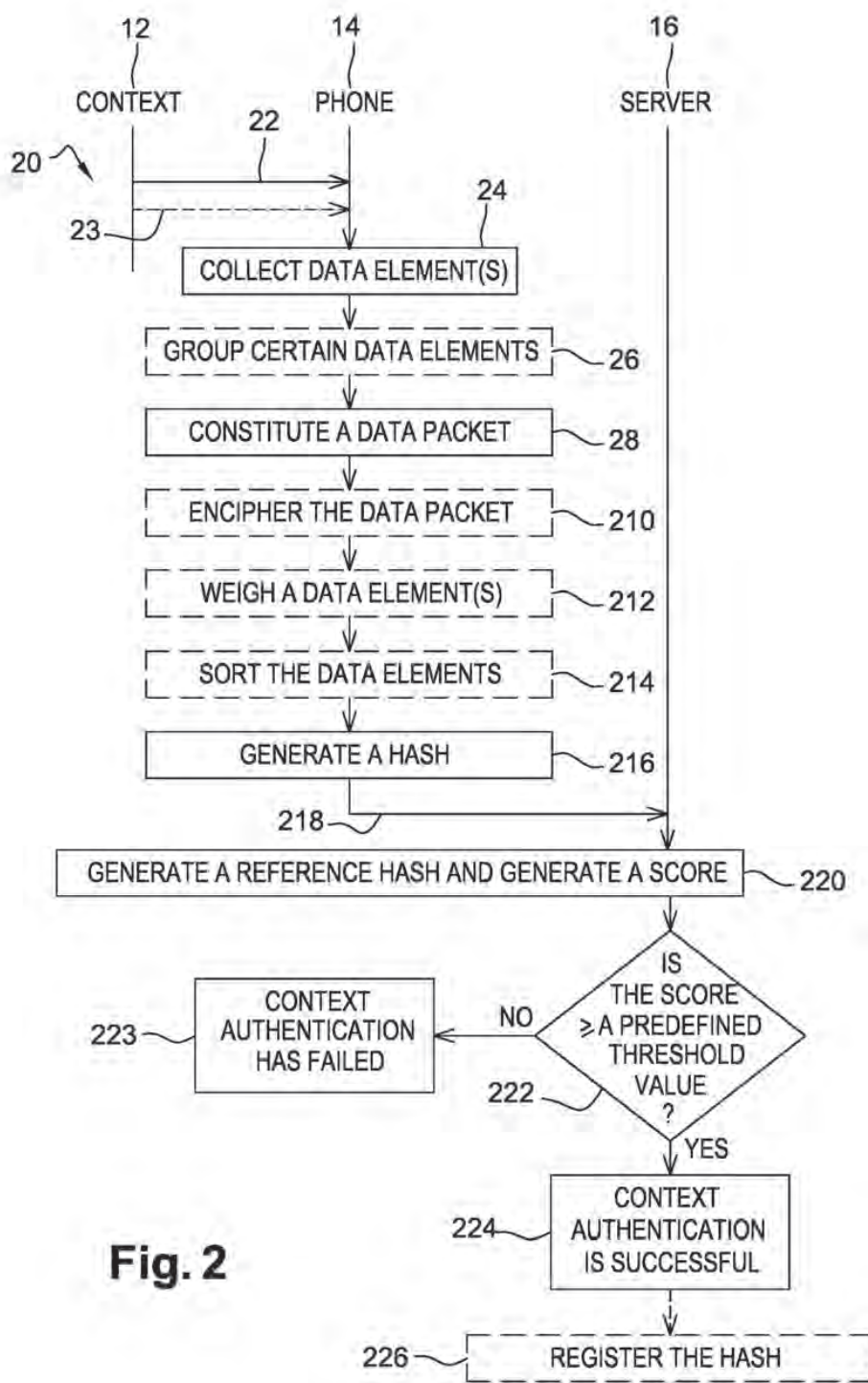
- receive from the first device, the generated hash;
- generate a hash distance between the generated hash and a predetermined reference hash; and
- authenticate successfully or not based on the generated hash distance.

10

1/2



2 / 2



**WRITTEN OPINION OF THE
INTERNATIONAL SEARCHING AUTHORITY**

International application No.
PCT/EP2018/081759

Box No. I Basis of the opinion

1. With regard to the **language**, this opinion has been established on the basis of:
 - ☒ the international application in the language in which it was filed.
 - ☐ a translation of the international application into , which is the language of a translation furnished for the purposes of international search (Rules 12.3(a) and 23.1 (b)).
2. ☐ This opinion has been established taking into account the **rectification of an obvious mistake** authorized by or notified to this Authority under Rule 91 (Rule 43bis.1(a))
3. ☐ With regard to any **nucleotide and/or amino acid sequence** disclosed in the international application, this opinion has been established on the basis of a sequence listing:
 - a. ☐ forming part of the international application as filed:
 - ☐ in the form of an Annex C/ST.25 text file.
 - ☐ on paper or in the form of an image file.
 - b. ☐ furnished together with the international application under PCT Rule 13ter.1(a) for the purposes of international search only in the form of an Annex C/ST.25 text file.
 - c. ☐ furnished subsequent to the international filing date for the purposes of international search only:
 - ☐ in the form of an Annex C/ST.25 text file (Rule 13ter.1(a)).
 - ☐ on paper or in the form of an image file (Rule 13ter.1(b) and Administrative Instructions, Section 713).
4. ☐ In addition, in the case that more than one version or copy of a sequence listing has been filed or furnished, the required statements that the information in the subsequent or additional copies is identical to that forming part of the application as filed or does not go beyond the application as filed, as appropriate, were furnished.
5. Additional comments:

**WRITTEN OPINION OF THE
INTERNATIONAL SEARCHING AUTHORITY**

International application No.
PCT/EP2018/081759

Box No. V Reasoned statement under Rule 43bis.1(a)(i) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement

1. Statement

Novelty (N)	Yes: Claims	<u>1-15</u>
	No: Claims	
Inventive step (IS)	Yes: Claims	<u>1-15</u>
	No: Claims	
Industrial applicability (IA)	Yes: Claims	<u>1-15</u>
	No: Claims	

2. Citations and explanations

see separate sheet

PATENT COOPERATION TREATY

From the
INTERNATIONAL SEARCHING AUTHORITY

PCT

To:

see form PCT/ISA/220

WRITTEN OPINION OF THE
INTERNATIONAL SEARCHING AUTHORITY
(PCT Rule 43*bis*.1)

Date of mailing
(day/month/year) see form PCT/ISA/210 (second sheet)

Applicant's or agent's file reference
see form PCT/ISA/220

FOR FURTHER ACTION
See paragraph 2 below

International application No.
PCT/EP2018/081759

International filing date (day/month/year)
19.11.2018

Priority date (day/month/year)
29.12.2017

International Patent Classification (IPC) or both national classification and IPC
INV. G06F21/32 G06F21/35

Applicant
GEMALTO SA

1. This opinion contains indications relating to the following items:

- ☒ Box No. I Basis of the opinion
- ☐ Box No. II Priority
- ☐ Box No. III Non-establishment of opinion with regard to novelty, inventive step and industrial applicability
- ☐ Box No. IV Lack of unity of invention
- ☒ Box No. V Reasoned statement under Rule 43*bis*.1(a)(i) with regard to novelty, inventive step and industrial applicability; citations and explanations supporting such statement
- ☐ Box No. VI Certain documents cited
- ☐ Box No. VII Certain defects in the international application
- ☐ Box No. VIII Certain observations on the international application

2. **FURTHER ACTION**

If a demand for international preliminary examination is made, this opinion will usually be considered to be a written opinion of the International Preliminary Examining Authority ("IPEA") except that this does not apply where the applicant chooses an Authority other than this one to be the IPEA and the chosen IPEA has notified the International Bureau under Rule 66.1*bis*(b) that written opinions of this International Searching Authority will not be so considered.

If this opinion is, as provided above, considered to be a written opinion of the IPEA, the applicant is invited to submit to the IPEA a written reply together, where appropriate, with amendments, before the expiration of 3 months from the date of mailing of Form PCT/ISA/220 or before the expiration of 22 months from the priority date, whichever expires later.

For further options, see Form PCT/ISA/220.

Name and mailing address of the ISA:



European Patent Office
D-80298 Munich
Tel. +49 89 2399 - 0
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Date of completion of
this opinion

see form
PCT/ISA/210

Authorized Officer

Harms, Christoph

Telephone No. +49 89 2399-0



Re Item V

Reasoned statement with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement

1 Independent Claims

1 (method), 11 (apparatus), 13 (apparatus)

Independent claims 11 and 13 define the two authentication apparatuses deployed in the method of claim 1 and are thus allowable.

2 Basis for amendments

no amendments

3 Prior art; Priority if applicable

D1 EP 2 924 603 A2 (FMR LLC [US]) 30 September 2015 (2015-09-30)

D2 WO 2016/083216 A1 (GEMALTO SA [FR]) 2 June 2016 (2016-06-02)

D3 US 2017/109514 A1 (CHENG HUI [US] ET AL) 20 April 2017
(2017-04-20)

Only D1 teaches a video stream being captured by a camera 103 which is subsequently decomposed into separate audio/video segments (cap 402, spoken password "Rosebud", plant 408 and cat 404).

4 Novelty: distinguishing features

- *constituting (28), based on the at least one collected context data element, a data packet;*
- *generating (216), by using a predetermined hash type algorithm and the data packet, as input to the predetermined hash type algorithm, a hash;*
- *sending the generated hash;*
- *generating (220), as a hash distance generation step, a hash distance between the generated hash and a predetermined reference hash; and authenticating (...) based on the generated hash distance*

5 Inventive step:

5.1 Closest prior art

D1 EP 2 924 603 A2 (FMR LLC [US]) 30 September 2015
(2015-09-30)

discloses

An authentication method (20) comprising:

- collecting (24), based on a predetermined authentication policy, at least one context data element;

(...)

- authenticating (224) successfully or not (223) (...), as an authentication step.

5.2 Technical effect and problem to be solved

Technical security effect: accuracy of authentication

The technical problem means how to modify the closest prior art D1 in order to achieve the specified security effect

5.3 Solution (computer security countermeasure)

constitution of the data packets from the collected context data elements

hash type algorithm and hash distance generation as defined in the distinguishing features

5.4 Why is it inventive

D1 discloses a multi-factor authentication system in which the user is authenticated using his biometrics (facial, body movement, gesture; USER in D1 Fig. 4) and his environment (scene objects cat 404 and plant 408 in D1 Fig. 4) and his knowledge (spoken password "Rosebud" 406 in D1 Fig. 4). The computing device calculates a total score (115 in D1 table 2) of all video segments (which individually define the user biometrics, the user environment or the user knowledge) which is compared against a reference total score (145 in D1 table 2); cf. D1 Table 2.

D1, however, does not disclose nor render obvious to deploy hash functions for this specific purpose nor does it compute hash distances for comparing the sampled audio/video segments with respective reference. D1 table 2 and paragraphs [0035]-[0037] relies on simple numeric comparisons when comparing the sampled audio/video segment against their reference values.

The scope of independent claim 11 does NOT (!!!) encompass the application of a standard hash on data (claim 11: context data element/s) because the data packet(s) first need to be "extracted" from the collected context data elements (see definition of the collect and constitute steps) before the hash is applied on the preprocessed data packet(s) (and not on the context data elements).

6 Further Relevant Information (Art. 82, 83, 84, 52, 53)

The two-part form of the independent claims is not appropriate because it would complicate the wording of the claims.

The above reasoning corresponds to that of the parental application
EP17306977.4

PATENT COOPERATION TREATY

From the RECEIVING OFFICE

PCT

To:

Scheer, Luc
GEMALTO SA
Intellectual Property Department
525 Avenue du Pic de Bertagne CS 12023
13881 Cedex Gemenos
FRANCE

NOTIFICATION OF THE INTERNATIONAL APPLICATION NUMBER AND OF THE INTERNATIONAL FILING DATE

(PCT Rule 20.2(c))

Date of mailing
(day/month/year) 26-11-2018

Applicant's or agent's file reference
GMT3707WO/DD

IMPORTANT NOTIFICATION

International application No.

International filing date (day/month/year)

Priority date (day/month/year)

PCT/EP2018/081759

19 November 2018 (19-11-2018)

29 December 2017 (29-12-2017)

Applicant

GEMALTO SA

Title of the invention

1. The applicant is hereby notified that the international application has been accorded the international application number and the international filing date indicated above.

2. The applicant is further notified that the record copy of the international application:

☒ was transmitted to the International Bureau on see above date of mailing

☐ has not yet been transmitted to the International Bureau for the reason indicated below and a copy of this notification has been sent to the International Bureau*:

☐ because the necessary national security clearance has not yet been obtained

☐ because (reason to be specified)

* The International Bureau monitors the transmittal of the record copy by the receiving Office and will notify the applicant (with Form PCT/IB/301) of its receipt. Should the record copy not have been received by the expiration of 14 months from the priority date, the International Bureau will notify the applicant (Rule 22.1(c)).

Name and mailing address of the Receiving Office



European Patent Office, P.B. 5818 Patentlaan 2
NL-2280 HV Rijswijk
Tel. (+31-70) 340-2040
Fax: (+31-70) 340-3016

Authorized officer

Christine Mons

PCT REQUEST

Print Out (Original in Electronic Form)

0	For receiving Office use only	
0-1	International Application No.	PCT/EP2018/081759
0-2	International Filing Date	19 NOV 2018 (19.11.2018)
0-3	Name of receiving Office and "PCT International Application"	RO/EP
0-4	Form PCT/RO/101 PCT Request	
0-4-1	Prepared Using	PCT Online Filing Version 3.51.000.259e MT/FOP 20141031/0.20.5.20
0-5	Petition The undersigned requests that the present international application be processed according to the Patent Cooperation Treaty	
0-6	Receiving Office (specified by the applicant)	European Patent Office (EPO) (RO/EP)
0-7	Applicant's or agent's file reference	GMT3707WO/DD
I	Title of Invention	AUTHENTICATION METHOD, DEVICE AND SYSTEM
II	Applicant	
II-1	This person is	Applicant only
II-2	Applicant for	All designated States
II-4	Name	GEMALTO SA
II-5	Address	6 Rue de la Verrerie 92190 MEUDON France
II-6	State of nationality	FR
II-7	State of residence	FR
III-1	Applicant and/or inventor	
III-1-1	This person is	Inventor only
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III-2	Applicant and/or inventor	
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IV-1	Agent or common representative; or address for correspondence	
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IV-1-1	Name (LAST, First)	SCHEER, Luc
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IV-1-5	e-mail	david.dages@gemalto.com
IV-1-5(a)	E-mail authorization The receiving Office, the International Searching Authority, the International Bureau and the International Preliminary Examining Authority are authorized to use this e-mail address, if the Office or Authority so wishes, to send notifications issued in respect of this international application:	exclusively in electronic form (no paper notifications will be sent)
V	DESIGNATIONS	
V-1	The filing of this request constitutes under Rule 4.9(a), the designation of all Contracting States bound by the PCT on the international filing date, for the grant of every kind of protection available and, where applicable, for the grant of both regional and national patents.	

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VI-1	Priority claim of earlier regional application	
VI-1-1	Filing date	29 December 2017 (29.12.2017)
VI-1-2	Number	17306977.4
VI-1-3	Regional Office	EP
VI-2	Priority document request	
	The receiving Office is requested to prepare and transmit to the International Bureau a certified copy of the earlier application(s) identified above as item(s):	VI-1
VI-3	Incorporation by reference :	
	where an element of the international application referred to in Article 11(1)(iii)(d) or (e) or a part of the description, claims or drawings referred to in Rule 20.5(a) is not otherwise contained in this international application but is completely contained in an earlier application whose priority is claimed on the date on which one or more elements referred to in Article 11(1)(iii) were first received by the receiving Office, that element or part is, subject to confirmation under Rule 20.6, incorporated by reference in this international application for the purposes of Rule 20.6.	
VII-1	International Searching Authority Chosen	European Patent Office (EPO) (ISA/EP)
VII-2	Request to use results of earlier search; reference to that search	
VII-2-1	Filing date	29 December 2017 (29.12.2017)
VII-2-2	Application Number	17306977.4
VII-2-3	Country (or regional Office)	EP
VII-2-4	Statement (Rule 4.12(ii)):	This international application is the same, or substantially the same, as the application in respect of which the earlier search was carried out except, where applicable, that it is filed in a different language.
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VIII	Declarations	Number of declarations	
VIII-1	Declaration as to the identity of the inventor	—	
VIII-2	Declaration as to the applicant's entitlement, as at the international filing date, to apply for and be granted a patent	—	
VIII-3	Declaration as to the applicant's entitlement, as at the international filing date, to claim the priority of the earlier application	—	
VIII-4	Declaration of inventorship (only for the purposes of the designation of the United States of America)	—	
VIII-5	Declaration as to non-prejudicial disclosures or exceptions to lack of novelty	—	
IX	Check list	Number of sheets	Electronic file(s) attached
IX-1	Request (including declaration sheets)	5	✓
IX-2	Description	20	✓
IX-3	Claims	4	✓
IX-4	Abstract	1	✓
IX-5	Drawings	2	✓
IX-7	TOTAL	32	
	Accompanying Items	Paper document(s) attached	Electronic file(s) attached
IX-8	Fee calculation sheet	—	✓
IX-20	Figure of the drawings which should accompany the abstract	2	
IX-21	Language of filing of the international application	English	
X-1	Signature of applicant, agent or common representative	(PKCS7 Digital Signature)	
X-1-1	Name (LAST, First)	SCHEER, Luc	
X-1-3	Capacity (if such capacity is not obvious from reading the request)	(Representative)	

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10-2-1	Received	
10-2-2	Not received	
10-3	Corrected date of actual receipt due to later but timely received papers or drawings completing the purported international application	
10-4	Date of timely receipt of the required corrections under PCT Article 11(2)	
10-5	International Searching Authority	ISA/EP
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0	For receiving Office use only	
0-1	International Application No.	PCT/EP2018/081759
0-2	International Filing Date	19 NOV 2018 (19.11.2018)
0-3	Name of receiving Office and "PCT International Application"	RO/EP
0-4	Form PCT/RO/101 PCT Request	
0-4-1	Prepared Using	PCT Online Filing Version 3.51.000.259e MT/FOP 20141031/0.20.5.20
0-5	Petition The undersigned requests that the present international application be processed according to the Patent Cooperation Treaty	
0-6	Receiving Office (specified by the applicant)	European Patent Office (EPO) (RO/EP)
0-7	Applicant's or agent's file reference	GMT3707WO/DD
I	Title of Invention	AUTHENTICATION METHOD, DEVICE AND SYSTEM
II	Applicant	
II-1	This person is	Applicant only
II-2	Applicant for	All designated States
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III-1	Applicant and/or inventor	
III-1-1	This person is	Inventor only
III-1-3	Inventor for	All designated States
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Die angehefteten
Unterlagen stimmen mit der
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Certificate

The attached documents are
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application described on the
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Attestation

Les documents joints à la
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Patentanmeldung Nr.

Patent application No.

Demande de brevet n°

17306977.4 / EP17306977

The organisation code and number of your priority application, to be used for filing abroad under the Paris Convention, is EP17306977.

Der Präsident des Europäischen Patentamts;
Im Auftrag

For the President of the European Patent Office

Le Président de l'Office européen des brevets
p.o.



V. Joseph

Anmeldung Nr.:
Application no.: 17306977.4
Demande no.:

Anmeldetag:
Date of filing: 29.12.17
Date de dépôt:

Anmelder / Applicant(s) / Demandeur(s):

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92190 Meudon/FR

Bezeichnung der Erfindung / Title of the invention / Titre de l'invention:
(Falls die Bezeichnung der Erfindung nicht angegeben ist, oder falls die Anmeldung in einer Nicht-Amtssprache des EPA eingereicht wurde, siehe Beschreibung bezüglich ursprünglicher Bezeichnung.
If no title is shown, or if the application has been filed in a non-EPO language, please refer to the description for the original title.
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AUTHENTICATION METHOD, DEVICE AND SYSTEM

In Anspruch genommene Priorität(en) / Priority(Priorities) claimed / Priorité(s) revendiquée(s)
Staat/Tag/Aktenzeichen / State/Date/File no. / Pays/Date/Numéro de dépôt:

Am Anmeldetag benannte Vertragsstaaten / Contracting States designated at date of filing / Etats contractants désignés lors du dépôt:

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL
PT RO RS SE SI SK SM TR

AUTHENTICATION METHOD, DEVICE AND SYSTEM

Field of the invention:

The present invention relates generally to an authentication method and an authentication device.

5 Furthermore, the invention pertains to an authentication system as well. The system includes at least two devices.

The present invention is notably applicable to a field in which a first device is e.g. a mobile (tele)phone or a Personal Computer (or PC) and a second device is e.g. a (local) Secure Element (or SE) or a remote server.

10 Within the present description, an SE is a smart object that includes a chip(s) that protect(s), as a tamper resistant component(s), access to stored data and that is intended to communicate data with a device(s), like e.g., an SE host device, and/or an SE user.

State of the art:

15 EP 2 924 603 A2 describes a user authentication technique based on a transmission, from a client to a server, of a captured video signal including a physical user characteristic(s) and a physical object(s)/element(s) in the user environment. The sever analyses the captured video signal to determine a value associated with each of the visual and audio elements, as environment characteristics. The server determines a
20 total score for the captured video signal and compares the total score to a predetermined reference score. The server decides to authorize (or not) based on a comparison result.

However, such a known solution requires a big bandwidth, namely several Mb, for an upload of the captured video signal. Moreover, the uploaded captured video signal
25 includes information that discloses the user environment and therefore private data.

There is a need of an alternative authentication solution while being more efficient and more secure than such an aforementioned known solution.

Summary of the invention:

The invention proposes a solution for satisfying the just herein above specified
30 need by providing an authentication method.

According to the invention, the method comprises:

- collecting, based on a predetermined authentication policy, at least one context data element;

- constituting, based on the at least one collected context data element, a data packet;
- generating, by using a predetermined hash type algorithm and the data packet, as input to the predetermined hash type algorithm, a hash;
- sending the generated hash;
- 5 - generating, as a hash distance generation step, a hash distance between the generated hash and a predetermined reference hash; and
- authenticating successfully or not based on the generated hash distance, as an authentication step.

The principle of the invention consists in capturing, at a client device side, (local)
 10 context (or environment) data element(s) depending on an authentication policy, building a corresponding data packet and determining with a predefined hash type algorithm and, as input, the data packet a corresponding hash. The client device sends the determined hash. Then, a hash distance between the determined hash and a predefined reference hash is determined. The thus determined hash distance is then
 15 used for authenticating (or not) the tested authentication context (under survey).

The authentication policy defines notably the number and/or the nature of the context data element(s) to be captured. The authentication policy may include data relating to the used (client) device, a user, object(s) or thing(s) to be locally present and detected. To capture the context data element(s), the invention does not impose any
 20 constraint. The client device may use a camera(s), a microphone(s) and/or one or several sensors that is(are) incorporated within or connected to the client device.

The invention (authentication) solution is, through the authentication policy, configurable and therefore adaptable to different (local) environment or context scenario(s).

25 Since the client device (or a cooperating device, such as an SE), where there is an environment to be authenticated, generates (or determines) a hash from a data packet resulting from captured environment or context data element(s), the hash is transmitted in a secure and protected manner.

A software component, such as a library, a hardware component and/or a device
 30 may carry out the hash distance generation step and the authentication step. The software component may be supported by the client device, a local device, such as an SE, cooperating with the client device, or a remote device, such as a remote server. The hardware component may be incorporated within or connected or coupled to the

client device, a local device, such as an SE, cooperating with the client device, or a remote device, such as a remote server.

It is noteworthy that the hash distance generation step provides a hash distance that allows to determine whether the generated hash is more or less close to a predefined reference hash. The hash distance allows inferring whether the
 5 corresponding captured context data element(s) is(are) or is(are) not successfully authenticated, i.e. sufficiently close to respective predetermined reference captured context data element(s).

The hash distance may be generated through a hash type comparison algorithm.

10 An authentication of the concerned (local) environment or context under survey is therefore carried out through such a hash distance that is specific to (or characterizes) the invention solution.

The hash distance allows the invention solution to be resilient to more or less small changes with respect to the predefined reference hash while still authenticating
 15 successfully the concerned (local) environment or context, i.e. the value of at least some captured (or collected) context data element(s) has changed slightly.

It is to be noted that the hash or digest, as a byte stream relating to original captured context data element(s), is a string of bits with a resulting length, from e.g. 32 bytes to e.g. a few kbytes. The resulting length may be (or not) variable according to the
 20 captured context data element(s).

The hash relates to the original (captured) context data element(s) and reduces the number of bits (or elements of information) to be transferred with respect to the original context data element(s).

Contrary to the aforementioned prior art solution, the invention solution does not
 25 need a large bandwidth to transmit data, including the hash, relating to the concerned environment or context, since the data relating to the concerned context includes only a few data (up to a few kbytes) to be transmitted.

Contrary to the aforementioned prior art solution, the invention solution is therefore efficient.

30 Moreover, the hash obfuscates the concerned original context data element(s), i.e. does not disclose any original context data element(s) in plain text.

Since no data relating to the privacy is transmitted in plain text, the invention is thus compliant with data privacy and therefore the Generation Data Protection Regulation (or GDPR).

Contrary to the aforementioned prior art solution, due to the use of a hash (and not the use of the concerned captured context data element(s) in plain text), the invention solution is secure.

The invention solution is an environment or context authentication solution that allows authenticating the concerned (local) environment or context under survey.

The invention solution is user convenient.

Advantageously, the predetermined hash type algorithm comprising a Locality Sensitive Hash (or LSH) type algorithm, the method further comprises, as the hash distance generation step and the authentication step, the following steps:

- generating, by using the locality sensitive hash type algorithm, a score, as a level of similarity between the generated hash and the predetermined reference hash;
- comparing the score to a predetermined threshold value;
- authenticating successfully only if the score is equal to or greater than the predetermined threshold value.

The LSH type algorithm, as a hash type algorithm, is advantageously used to generate a score, as a hash distance used for comparing the generated hash to the predefined reference hash.

The generated score is then checked with respect to a predefined threshold value, so as to authenticate (or not) the concerned context.

Thus, the invention solution may be, through the score, as the hash distance, more or less permissive with respect to the predefined reference hash that has to be approached by the generated hash from the collected context data element(s).

It is to be noted that the score is either the hash distance itself or the result of a computation derived from the (hash) distance depending on the used algorithm for comparing the generated hash.

According to an additional aspect, the invention is a first authentication device.

According to the invention, the first authentication device is configured to:

- collect, based on a predetermined authentication policy, at least one context data element;
- constitute, based on the at least one collected context data element, a data packet;

- generate, by using a predetermined hash type algorithm and the data packet, as input to the predetermined hash type algorithm, a hash; and

- send to a second device the generated hash.

The first authentication device may be a mobile phone, a PC or any computing
5 device.

According to an additional aspect, the invention is a second authentication device.

According to the invention, the second authentication device is configured to:

- receive a generated hash;

- generate a hash distance between the generated hash and a predetermined reference
10 hash; and

- authenticate successfully or not based on the generated hash distance.

The second authentication device may be a secure element, a remote server or any computing device.

According to still a further aspect, the invention is an authentication system.

15 According to the invention, the system comprising a first authentication device and at least one second authentication device, the first authentication device is configured to:

- collect, based on a predetermined authentication policy, at least one context data element;

20 - constitute, based on the at least one collected context data element, a data packet;

- generate, by using a predetermined hash type algorithm and the data packet, as input to the predetermined hash type algorithm, a hash;

- send to the second authentication device, the generated hash; and

the second authentication device is configured to:

25 - receive from the first device, the generated hash;

- generate a hash distance between the generated hash and a predetermined reference hash; and

- authenticate successfully or not based on the generated hash distance.

Brief description of the drawings:

30 Additional features and advantages of the invention will be apparent from a detailed description of one preferred embodiment of the invention, given as an indicative and non-limitative example, in conjunction with the following drawings:

- Figure 1 illustrates a simplified diagram of an exemplary embodiment of a system comprising a mobile phone and a server, the phone being configured to collect, based on a predefined authentication policy, a data element(s) comprised within the phone context, constitute a corresponding data packet, generate a corresponding hash, and send to the server the hash, the server being configured to generate a hash distance between the hash and a predetermined reference hash and authenticate, based on to the hash distance, the concerned context, according to the invention; and
- Figure 2 represents an example of a flow of messages exchanged between the user, the phone and the server of the system of figure 1, so that the server receives a hash generated at the client side, generates a corresponding hash distance and authenticates (or not), thanks to the generated hash distance, the concerned context.

Detailed description:

Herein under is considered an exemplary embodiment in which the invention authentication method is implemented notably by a phone, as a client (computer) device and a standalone entity, i.e. without cooperating with another device, such as an SE, and a remote server.

According to another exemplary embodiment (not represented), the invention authentication method is implemented by a computer device, as a terminal, in cooperation with an SE embedded within or connected to the terminal. According to such an embodiment, the SE, as a local and second authentication device, is adapted to perform the functions that are carried out by the server and described herein below while enhancing the security of stored and/or processed data.

The SE may be an incorporated chip, as a chip soldered, possibly in a removable manner, like e.g., an embedded SE, an embedded Universal Integrated Circuit Card (or eUICC) or an integrated Universal Integrated Circuit Card (or iUICC), on a Printed Circuit Board (or PCB) of the terminal, or a chip that is coupled to the terminal and included within a Universal Serial Bus (or USB), a smart card or any other medium (that may have different form factors), as an SE host device. The chip may thus be fixed to or removable from its host device, like e.g., the mobile phone.

The invention does not impose any constraint as to a kind of the SE type.

Naturally, the herein below described embodiment is only for exemplifying purposes and is not considered to reduce the scope of the present invention.

Figure 1 shows schematically an (authentication) system 10 that includes a (mobile) phone 14 and a remote (web) server 16.

The system is arranged to authenticate (or not) a context 12 (or environment) under survey.

5 The context 12 includes e.g. a user 11, as the owner of the phone 14.

Additionally (or alternately), the context 12 includes e.g. a TeleVision (or TV) set 13, as a physical object or thing.

However, the invention (authentication) solution is also applicable when the context 12 includes one or several human beings (and/or animal(s)) and/or one or
10 several (physical) things.

For the sake of simplicity, only one phone 14, as a first (authentication) device, and only one user 11 and one object, as context data elements, have been represented.

However, the server 16, as a second (authentication) device, manages a set of context accounts and respective reference (context) hashes that have been previously
15 respectively registered while using the same invention authentication process.

Instead of being constituted by a phone, the first device may be constituted by e.g., a smart phone, a PC, a vehicle, a virtual reality device, an augmented reality device, an Internet Of Things type device, a set-top box, a tablet computer, a desktop computer, a laptop computer, a video player, an audio player, a media-player, a game
20 console, a netbook, a Personal Digital Assistant (or PDA), and/or any other computer device. Such a list of first devices is given as mere examples for a first device that may be used without being exhaustive.

Instead of being constituted by a physical first device, a software component, such as a library, or a hardware component carries out the functions that are described infra
25 and that are performed by the phone 14.

The phone 14 includes one or several Central Processing Unit(s) (or CPU), (micro)processor(s) and/or (micro)controller(s) (not represented), as data processing means, one or several memories (not represented), as data storing means, and one or several Input/Output (or I/O) interfaces (not represented).

30 The (or each) phone processor processes data originating from and/or intended to any internal component and data originating from and/or intended to any external device through one or several phone I/O interfaces.

The phone memories may include one or several EEPROMs (acronym for "Electrically Erasable Programmable Read-Only Memory"), one or several ROMs (acronym for "Read Only Memory"), one or several Flash memories and/or any other memories of different types, like e.g., one or several RAMs (acronym for "Random Access Memory").

The phone 14 supports one or several Operating Systems (or OS).

The phone 14 supports a client application that allows the phone 14 to send, after a context data element collection, a corresponding data packet constitution and a corresponding hash generation, to the server 16 information including the generated hash. The generated hash allows the server 16 to authenticate (or not) the concerned context 12.

A phone 14 memory (and/or a memory of another device connected or coupled to the phone 14) stores a Mobile Station International Subscriber Directory Number (or MSISDN), as the phone 14 number, and/or the like, as a phone 14 Identifiers (or ID), , an International Mobile Equipment Identity (or IMEI), an email address and/or other data that allow(s) uniquely identifying the phone 14, as the first device.

The phone I/O interface(s) may comprise (and/or be connected to) a display screen and a keyboard, as a phone Man Machine Interface (or MMI), so as to interact with the user 11.

The phone I/O interface(s) includes e.g., a camera 142, so as to capture or collect video or picture data that is included in the environment or context that is present in front of the camera 142.

The phone I/O interface(s) includes e.g., one or several sensors that allow each to collect data relating to the context of the phone 14.

The phone I/O interface(s) includes e.g., an antenna 144, allowing to transmit data, through a Radio-Frequency (or RF) link(s) 15, as a wireless link(s), via a possible (communication) network(s), to the server 16.

The RF may be fixed at several hundreds of MHz, e.g., around 850, 900, 1800, 1900 and/or 2100 MHz, as Long Range (or LR) type RF.

The RF link 15 between the phone 14 and the server 16 is at least mono-directional, namely at least an uplink, i.e. from the phone 14 to the server 16.

The channel may be related to an HyperText Transfer Protocol (or HTTP) (Secure) (registered trademark) type channel, an Over-The-Air (or OTA), an Over-The-Internet (or OTI) type channel or any other data communication channel.

The channel using the RF link 15 may be secure or unsecure.

- 5 The phone 14 is arranged to collect, based on a predetermined authentication policy, an image (or picture) (and/or a video signal) including image data relating to the user 11 face and image data relating to the TV 13, as data elements included in the context (relating to the phone 14).

- 10 To collect a context data element(s), the phone 14 may use a Machine Learning (or ML) engine to analyse a collected (or captured) image.

Each context data element is preferably a string of bits (or units of information) with an individual fixed length.

- 15 The authentication policy allows configuring the phone 14 to process data originating from a surrounding environment of the phone 14, so as to authenticate the concerned environment.

- 20 The authentication policy is preferably previously (prior to launching an authentication process) provided by the server 16 or another server (not represented) connected to the server 16. The authentication policy comprises a set of identified context data elements to be collected, so as to define context data element(s) to be collected.

- 25 As context data element(s), the context data element(s) may include, besides image data relating to the user face and image data relating to the TV 13, other data, such as a phone ID, a Service Set Identifier (or SSID), an OS version ID, geolocation data (like e.g., Global Positioning System (or GPS) data), a user 11 heart rate (not represented) and/or other data. To collect a context data element(s), the phone 14 may get or retrieve data, such as a phone ID, stored in a memory included within the phone 14 or a device connected or coupled to the phone 14.

- 30 The authentication policy may also define how the concerned context data element(s) is transformed into a corresponding data packet, how the resulting data packet is possibly processed, such as grouped, ciphered, weighted and/or sorted, and/or how a corresponding hash has to be generated.

The authentication policy may comprise information allowing to group together at least certain collected context data elements with respect to the other collected context

data element(s). Thus, certain context data elements are to be grouped within one and the same group, such as data relating to the operation of the phone 14, like e.g., an SSID and/or an OS version ID, and/or data relating to the audio and/or visual environment.

- 5 When two or more collected context data elements are grouped, the concerned collected context data element group impacts the corresponding generated hash distance (or score) by increasing the hash distance (or score) variation, i.e. if at least one of the collected context data elements within a concerned group changes, then the resulting corresponding generated hash distance (or score) varies more than if all of the
- 10 collected context data elements of the group were kept (individually) separated from each other.

- The authentication policy may comprise data for requesting that a data packet that results from the context data element(s) (possibly grouped at least in part) has to be ciphered by using a key generated from submitted user authentication data (or one or
- 15 several data items originating from one or several external sources, such as a thermometer) (instead of being ciphered, being processed by a keyed one way function (i.e. non reversible), such as HMAC type function). Such a data packet ciphering request may further specify to use a specific encryption key, a specific encryption key generation algorithm, a specific data encryption algorithm and/or a process to generate
- 20 the concerned encryption key or algorithm. The encryption key may be generated by using user authentication data, such as a Personal Identity Number (or PIN), a One-Time Password (or OTP), a password and/or a biometric user feature(s), such as a one or several user fingerprints, a user iris, a user face and/or a user palm(s), and/or data provided by one or several external sources, such as an SE, as input to an (identified)
- 25 key generation algorithm. The encryption key may be generated by using a Hash-based Message Authentication Code (or HMAC) key derivation function.

- The authentication policy may comprise data for identifying a user authentication to be used for authenticating the user 11, when applicable, i.e. when the user authentication data is to be included in the context data element(s). For example, the
- 30 user 11 has to authenticate by providing a PIN, an OTP, a password and/or a biometric user feature(s), such as a one or several user fingerprints, a user iris, a user face and/or a user palm(s).

The authentication policy may comprise one or several weights to be associated with a specific (identified) group(s) and/or a specific (identified) context data element(s), so as to give heavier importance to the concerned group(s) and/or context data element(s) with respect to the other collected group(s) and/or collected context data element(s) within a corresponding data packet.

The authentication policy may comprise data for requesting that, prior to generating a corresponding hash, the context data element(s) (possibly grouped at least in part) has to be sorted, according to a predetermined numerical order, such as an increasing or decreasing numerical order.

The authentication policy may comprise data for identifying a hash type algorithm to be used for generating a hash relating to the collected context data element(s).

The authentication policy may comprise data for identifying several hash type algorithms to be used for generating several hashes relating to the collected context data elements which may have separate natures of data elements. The corresponding hash distance (or score) to be generated is then averaged (or weighted) the hashes resulting from each hash type algorithms.

Optionally, the phone 14 is arranged, preferably according to the authentication policy, to group at least two collected context data elements within the collected context data elements within the data packet.

The phone 14 is adapted to constitute, based on the collected context data element(s), a (resulting) data packet by e.g. concatenating the collected context data element(s).

The data packet is a kind of passphrase comprising, as word(s), the collected context data element(s).

The data packet is a string of bits (or units of information) with a resulting length that may vary depending on the collected context data element length(s) between separate context authentication sessions. The data packet length corresponds to an addition of all of the individual length(s) relating to the collected context data element(s).

Optionally, the phone 14 is adapted, preferably according to the authentication policy, to cipher or encrypt the data packet. Each of the context data elements that are possibly grouped at least in part is thus ciphered by using a predetermined encryption key. The encryption key may have been generated by using a HMAC type derivation function.

Optionally, the phone is adapted to weigh, according to the authentication policy, one or several (identified) collected context data element(s) of the collected context data element(s) that may have been previously grouped within the data packet. Such a collected context data element weighing may depend on a predetermined hash type algorithm to be used for generating a hash. Such a collected context data element weighing allows favouring the concerned collected context data element(s) and/or the concerned context data group(s) with respect to the other context data elements comprised within the concerned data packet. To weigh the concerned context data element(s), the phone 14 may duplicate the concerned context data element(s).

Optionally, the phone is arranged preferably according to the authentication policy, to sort, according to a numerical order, such as an increasing or a decreasing numerical order, the collected context data element(s) within the data packet. Such a (collected) context data element sorting allows preserving, depending on the used hash type algorithm, a generation of a corresponding hash and therefore a corresponding hash distance, i.e. the hash to be generated does not change when the concerned context data element sorting order is kept.

According to an essential invention feature, the phone 14 is configured to generate a hash by using a predetermined hash type algorithm and the data packet, as input to the predetermined hash type algorithm.

The predetermined hash type algorithm may be one of the following algorithms: a Locality Sensitive Hash (or LSH) type algorithm, a fuzzy matching type algorithm, a Trend micro Locality Sensitive Hash (or TLSH) type algorithm, a nilsimsa type algorithm, an sdhash type algorithm, an ssdeep type algorithm, an approximate matching type algorithm, a near duplicate matching type algorithm and a similarity detection type algorithm.

Such a list of hash type algorithms is given without being exhaustive as mere examples for an hash type algorithm that may be used for generating a hash with, as input, a data packet.

The hash type algorithm may incorporate a weighting, within the collected context data element(s), of one or several context data elements and/or one or several context data element group(s).

The phone 14 is arranged to send to the server 16, as a second (authentication) device, the generated hash.

Such a generated hash, as a cipher and a kind of context signature, allows not to disclose any original (user) private data that has been locally collected and therefore preserve the data privacy.

The generated hash has a fixed length that is a few data (up to a few kbits).

5 Instead of being constituted by a (physical) server, the second device may be constituted by e.g., a smart phone, a PC, a vehicle, a virtual reality device, an augmented reality device, an Internet Of Things type device, a set-top box, a tablet computer, a desktop computer, a laptop computer, a video player, an audio player, a media-player, a game console, a netbook, a Personal Digital Assistant (or PDA), and/or
10 any other computer device. Such a list of second devices is given as mere examples for a second device that may be used without being exhaustive.

Instead of being constituted by a physical second device, a software component, such as a library, or a hardware component carries out the functions that are described infra and that are performed by the server 16.

15 The server 16 is connected to the phone 14 over the link 15.

The server 16 is remote and accessible through possibly one, two or more communication networks, such as an Intranet network and/or an Internet network, that allow to define or form a corresponding communication channel.

The corresponding communication channel may be secure or unsecure.

20 According to an alternative embodiment (not represented), the server 16 is local. For example, the server 16 is embedded within a device, such as an SE that is connected or coupled to the PC 14.

The server 16 may be operated or managed by a Mobile Network Operator (or MNO), a Mobile Virtual Network Operator (or MVNO), a banking Operator, a wire
25 communication network operator, a service Operator (or administrator) or on behalf of a service Operator, as a service provider.

The server 16 includes one or several CPU(s), (micro)processor(s) and/or (micro)controller(s) 162, as data processing means, one or several memories 164, as data storing means, and one or several I/O interfaces 166 that are internally together
30 connected.

A (or the) server I/O interface 166 is used for communicating with external devices, such as the first device 14.

A (or the) server memory 164 stores preferably, besides an OS, an invention (server) authentication application accessible from the server 16 processor.

A (or the) server memory 164 stores or registers a database.

The database includes a set of e.g. first device accounts. The database relates to
5 a set of e.g. first devices, as a fleet of first devices.

Each first device account may include one or several associated user identifiers, such as a user name.

The database includes preferably, in association with e.g. each (identified) first device account, a corresponding predetermined reference hash.

10 The predetermined reference hash has been previously (i.e. during an enrolment or registration phase and prior to any (context) authentication) registered while using the invention authentication process.

The database may associate, for each individual first device or the first device set, a registered predetermined hash type algorithm.

15 The predetermined hash type algorithm may be one of the following algorithms an LSH type algorithm, a fuzzy matching type algorithm, a TLSH type algorithm, a nilsimsa type algorithm, an sdhash type algorithm, an ssdeep type algorithm, an approximate matching type algorithm, a near duplicate matching type algorithm and a similarity detection type algorithm.

20 Such a list of hash type algorithms is given without being exhaustive as mere examples for an hash type algorithm that may be used for generating a hash distance with, as inputs, a generated hash (to be received from a client device) and a corresponding (registered) reference hash.

The database may associate, for each individual first device or the first device set,
25 a registered predetermined threshold value.

The predetermined threshold value has been previously (i.e. prior to any (context) authentication) registered. The predetermined threshold value is configurable according to a level of risk that the concerned service provider may take.

The (or each) server processor processes data originating from and/or intended to
30 any internal component and data originating from and/or intended to any external device through one or several server I/O interfaces.

The server 16 supports one or several OSs.

The server 16 supports a server application that allows the server 16, after a hash reception and a corresponding hash distance generation, to authenticate (or not), based on the hash distance, the concerned phone context.

5 The server 16 may be configured to generate and send an authentication policy to the first device, such as the phone 14, prior to any first device enrolment.

The server 16 is adapted to receive, from an (identified) client device, such as the phone 14, a generated hash.

The server 16 identifies, based on a received e.g. client device ID(s), a corresponding first device registered within the database accessible to the server 16.

10 Then, the server 16 retrieves a predetermined reference hash that is registered in association with the registered first device or a corresponding first device fleet.

According to an essential invention feature, the server 16 is configured to generate on-the-fly, i.e. when a first device launches a login (or connection) session with the server 16, a score, as a hash distance between the (received) generated hash and a
15 (registered) predetermined reference hash.

To generate the score, the server 16 uses the (retrieved) predetermined hash type algorithm and the (retrieved) predetermined reference hash.

The server 16 is adapted to authenticate successfully or not, based on the generated hash distance, the concerned context 12.

20 More exactly, the server 16 is configured to fail to authenticate the context 12 if the generated hash distance is less than the (retrieved) predetermined threshold value.

The server 16 is configured to succeed in authenticating the context 12 if the generated hash distance is equal to or greater than the (retrieved) predetermined threshold value.

25 The server 16 may be adapted to store, preferably in a secure and persistent manner, the (received) generated hash, each time the authentication is successful. Such a generated hash storage when the authentication is successful allows to trace the success authentication history or evolvement.

Alternately (or additionally), each time the authentication is successful, the server
30 16 is arranged to register, instead of the predetermined reference hash, the (received) generated hash, as an updated reference hash to be used for a next authentication. The authentication process taking into account the last generated hash, as the updated

reference hash for a new (context) authentication, lets evolve the corresponding reference hash with the time at each authentication success.

Figure 2 depicts an example of a message flow 20 that involves the phone 14 and the server 16, so that the server 16 authenticates the context 12 based on a hash distance between a (received) generated hash and a (registered) predetermined reference hash.

It is assumed that the authentication policy has been provided during a personalization phase to the phone 14. The authentication policy requests to collect an image relating to the user 11 face, an image relating to the TV 13 and a phone ID, as three context data elements to be detected, so as to authenticate the user 11.

It is further assumed that the server 16 has previously registered (not represented) a user 11 ID in association with the phone 14 number, as a phone ID, a predetermined reference hash corresponding to the user 11 face image, the TV 13 image and the phone ID, as corresponding context data elements, a predetermined threshold value, such as e.g. 75%, and a predetermined hash type algorithm to be used for generating a hash distance.

It is assumed that the predetermined hash type algorithm to be used for generating a hash and a corresponding hash distance is e.g. a LSH type algorithm.

The use of an LSH type algorithm allows generating similar hashes, i.e. a hash distance or score that is good, i.e. the score is equal or greater than the predefined threshold value, when there is a slight change between the hash relating to the current context under survey and the reference hash relating to a corresponding reference context.

The phone 14 thus constitutes a reference first (communication) device to be locally present within the user 11 context 12, so as to authenticate, through the context 12, the user 11.

It is further assumed that the phone 14 accesses the phone 14 ID and an image signal captured by the phone camera 142.

An execution of the client application supported by the phone 14 is automatically launched (i.e. without any involvement of the user 11).

Alternately, the user 11 launches the client application while using an MMI that is included in or connected to the phone 14.

The phone 14 gets, through the phone camera 142, an image signal 22 relating to all the physical human(s) (and/or animal(s)) and/or thing(s) that are present in front of the phone 14.

In the present scenario, the image signal includes e.g. the user 11 face image and
5 the TV 13 image.

The phone 14 retrieves (not represented) from a phone memory the MSISDN of the phone 14, as the phone 14 ID.

Instead of collecting the phone 14 ID from a phone memory, the phone 14 collects from a locally connected device, such as an SE that has preferably authenticate a user
10 e.g. through a PIN comparison to a reference PIN that is stored in an SE memory, the phone 14 ID 23.

The phone 14 collects 24 the user 11 face image and the TV 13 image while extracting from the image signal 22 the user 11 face image and the TV 13 image and the phone 14 ID, as three context data elements required by the authentication policy.

The phone 14 may group 26, based on the authentication policy, at least two
15 context data elements, e.g., the user 11 face image and the TV 13 image, as one and the same context data element group, within the collected data elements.

The phone 14 constitutes 28, based on the collected context data elements, a data packet by e.g. concatenating the collected context data elements

20 Optionally, the phone 14 enciphers 210, based on the authentication policy, the (resulting) data packet, so as to improve the security aspect. The data packet that is thus enciphered while using a key depending on e.g. user authentication impacts on the corresponding hash distance (or score). If the user is not successfully authenticated (at the client side), then the corresponding resulting hash is remote from a predetermined
25 reference hash leading to a "bad" hash distance (or score) and therefore a failure of context authentication (even if the other collected context data element(s) is(are) right with respect to a collected reference context data element(s) that produces the corresponding predetermined reference hash).

The phone 14 may weigh 212, based on the authentication policy (or the used
30 predetermined hash type algorithm), more or less heavy, one or several collected context data elements and/or one or several groups of collected context data elements with respect to the other collected context data elements within the data packet.

Optionally, the phone 14 sorts 214, according to a numerical order, such as a decreasing or an increasing order, the collected context data elements that are possibly grouped at least in part, possibly enciphered and/or possibly weighted, within the data packet.

- 5 Then, the phone 14 generates 216, by using e.g. a nilsimsa algorithm and the data packet, as input to the nilsimsa algorithm, a hash.

- The phone 14 sends, through e.g., a Short Message Service (or SMS), Multimedia Messaging Service (or MMS), Transmission Control Protocol/Internet Protocol (or TCP/IP), or HTTP(s) type channel, to an (identified) server 16 a message 218 that
10 includes the phone ID and the generated hash.

Once the server 16 has received the message, the server 16 identifies (not represented), based on the phone ID, the concerned user 11 account and thus the associated predetermined reference hash and the associated predetermined hash type algorithm to be used for generating a hash distance.

- 15 Then, the server 16 generates a hash distance between the (received) generated hash and the predetermined reference hash.

To generate the hash distance, the server 16 gets the reference hash and generates 220 a score by using e.g. the nilsimsa algorithm and the received generated hash and the predetermined reference hash, as the two inputs to the nilsimsa algorithm.

- 20 The score is considered as a level of similarity between the received generated hash and the predetermined reference hash. For instance with the nilsimsa algorithm, the score is "0" (zero) when there is no similarity i.e.0% of similarity, is "96" when there is 75% of similarity and is "128" when there is a full similarity, i.e. 100% of similarity.

- Once the server 16 has generated the hash distance, the server 16 verifies 222
25 whether the authentication is or is not successful based on the generated hash distance. To do such an authentication verification, the server 16 compares 222 the generated score with respect to the predetermined threshold value.

- If the generated score is less than the predetermined threshold value, then the server 16 fails 223 to authenticate, through the user context 12, the user 11 and denies
30 user access to the service(s) managed by or through the server 16.

Otherwise, i.e. if the generated score is equal to or greater than the predetermined threshold value, then the server 16 succeeds 224 in authenticating, through the user

context 12, the user 11 and grants user access to a service(s) managed by or through the server 16.

Optionally, if the generated score is equal to or greater than the predetermined threshold value, the server 16 registers 226 the received generated hash by either
 5 further enriching (or adding to) a database relating to the reference hashes in case of authentication success or substituting the received generated hash to the registered predetermined reference hash. Thus, in this latter case, the authentication process is continuously adaptive along the way the authentication context is evolving.

Optionally, the server 16 sends (not represented) to the phone 14, through the
 10 same channel or an out-of-band channel than the one used for the submission of the generated hash, a message that includes a request to present or display the authentication result. Then, the phone 14 presents or displays the authentication result (not represented), such as "authentication failure" or "authentication success".

For the user, the invention solution is simple, easy, quick and practical since the
 15 user does not need to be involved. As a matter of fact, the user has just to present her or his face and the TV in front of the camera. The user does not need to enter any data, like e.g., an OTP, a number or a text on the first device, so as to let a first part collect the required context data elements and issue a corresponding hash to be verified by a second part, as its addressee, in order to be authenticated.

20 The invention solution allows carrying out a secure and efficient context authentication based on a hash distance that allows keeping flexibility.

The invention solution allows adapting to more or less small authentication context data element change(s), according to a level of risk to be adopted.

The invention solution does not include any oracle on the client (device) since it
 25 has no means for validating or verifying the generated hash. As a matter of fact, only the server is able to verify the generated hash.

The invention solution prevents thus from a client side brute-force attack of user authentication.

The embodiment that has just been described is not intended to limit the scope of
 30 the concerned invention. Other embodiments may be given. As another embodiment, instead of using an LR RF technology channel to transmit information to the second device, the first device uses a Short Range (or SR) RF technology(ies), like e.g., a Wi-

Fi, Bluetooth, a Near Field Communication or a Bluetooth Low Energy type technology(ies).

CLAIMS

1. An authentication method (20) comprising:
 - collecting (24), based on a predetermined authentication policy, at least one context data element;
 - 5 - constituting (28), based on the at least one collected context data element, a data packet;
 - generating (216), by using a predetermined hash type algorithm and the data packet, as input to the predetermined hash type algorithm, a hash;
 - sending the generated hash;
 - 10 - generating (220), as a hash distance generation step, a hash distance between the generated hash and a predetermined reference hash; and
 - authenticating (224) successfully or not (223) based on the generated hash distance, as an authentication step.
- 15 2. Method according to claim 1, wherein, the predetermined hash type algorithm comprising a locality sensitive hash type algorithm, the method further comprises, as the hash distance generation step and the authentication step, the following steps:
 - generating, by using the locality sensitive hash type algorithm, a score, as a level of similarity between the generated hash and the predetermined reference hash;
 - 20 - comparing the score to a predetermined threshold value;
 - authenticating successfully only if the score is equal to or greater than the predetermined threshold value.
- 25 3. Method according to claim 1 or 2, wherein, prior to generating the hash, the method further comprises sorting, according to a numerical order, the at least one collected context data element within the data packet.
4. Method according to any previous claim, wherein, prior to generating the hash, the method further comprises weighting, according to the authentication policy, at least one
 - 30 of the at least one context data element.
5. Method according to any previous claim, wherein, prior to constituting the data packet, the method further comprises grouping, according to the authentication policy,

together at least two context data elements comprised within the at least one context data element, to constitute at least one corresponding context data group.

6. Method according to any previous claim, wherein, prior to generating the hash, the method further comprises ciphering, according to the authentication policy, the data packet.
7. Method according to claim 6, wherein a key used for the data packet ciphering includes a key generated by using a hash-based message authentication code key type derivation function.
8. Method according to any previous claim, wherein the hash type algorithm includes at least one element of a group including:
 - a locality sensitive hash type algorithm;
 - a Trend micro Locality Sensitive Hash type algorithm;
 - a nilsimsa type algorithm;
 - an sdhash type algorithm;
 - an ssdeep type algorithm; and
 - a fuzzy matching type algorithm;
 - an approximate matching type algorithm;
 - a near duplicate matching type algorithm; and
 - a similarity detection type algorithm.
9. Method according to any previous claim, wherein, each time the authentication is successful, the method further comprises storing the generated hash.
10. Method according to any previous claim, wherein, each time the authentication is successful, the method further comprises registering, instead of the predetermined reference hash, the generated hash, as an updated reference hash to be used for a next authentication.
11. A first authentication device (14), **characterized in that** the first authentication device is configured to:

- collect, based on a predetermined authentication policy, at least one context data element;
- constitute, based on the at least one collected context data element, a data packet;
- generate, by using a predetermined hash type algorithm and the data packet, as input
- 5 to the predetermined hash type algorithm, a hash; and
- send to a second authentication device the generated hash.

12. Device according to claim 11, wherein the first authentication device includes includes at least one element of a group including:

- 10 - a mobile phone;
- a Personal Computer;
- a vehicle;
- a desktop;
- a virtual reality device;
- 15 - an augment reality device;
- an Internet Of Things type device; and
- a computing device.

13. A second authentication device (16), **characterized in that** the second authentication device is configured to:

- receive a generated hash;
- generate a hash distance between the generated hash and a predetermined reference hash; and
- authenticate successfully or not based on the generated hash distance.

25

14. Device according to claim 13, wherein the second authentication device includes at least one element of a group including:

- a secure element;
- a local server;
- 30 - a remote server;
- a mobile phone;
- a Personal Computer;
- a vehicle;

- a desktop;
- a virtual reality device;
- an augment reality device;
- an Internet Of Things type device;
- 5 - a computing device.

15. An authentication system (10), **characterized in that**, the system comprising a first authentication device (14) and at least one second authentication device (16), the first authentication device is configured to:

- 10 - collect, based on a predetermined authentication policy, at least one context data element;
- constitute, based on the at least one collected context data element, a data packet;
- generate, by using a predetermined hash type algorithm and the data packet, as input to the predetermined hash type algorithm, a hash;
- 15 - send to the second authentication device, the generated hash; and
 - in that** the second authentication device is configured to:
 - receive from the first device, the generated hash;
 - generate a hash distance between the generated hash and a predetermined reference hash; and
- 20 - authenticate successfully or not based on the generated hash distance.

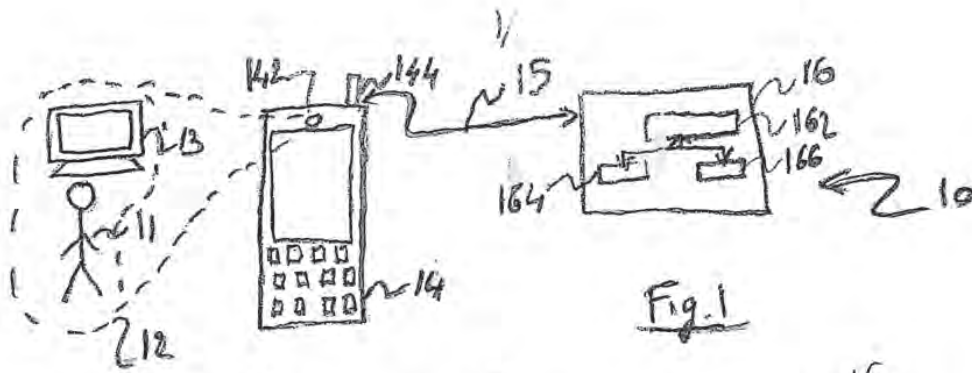
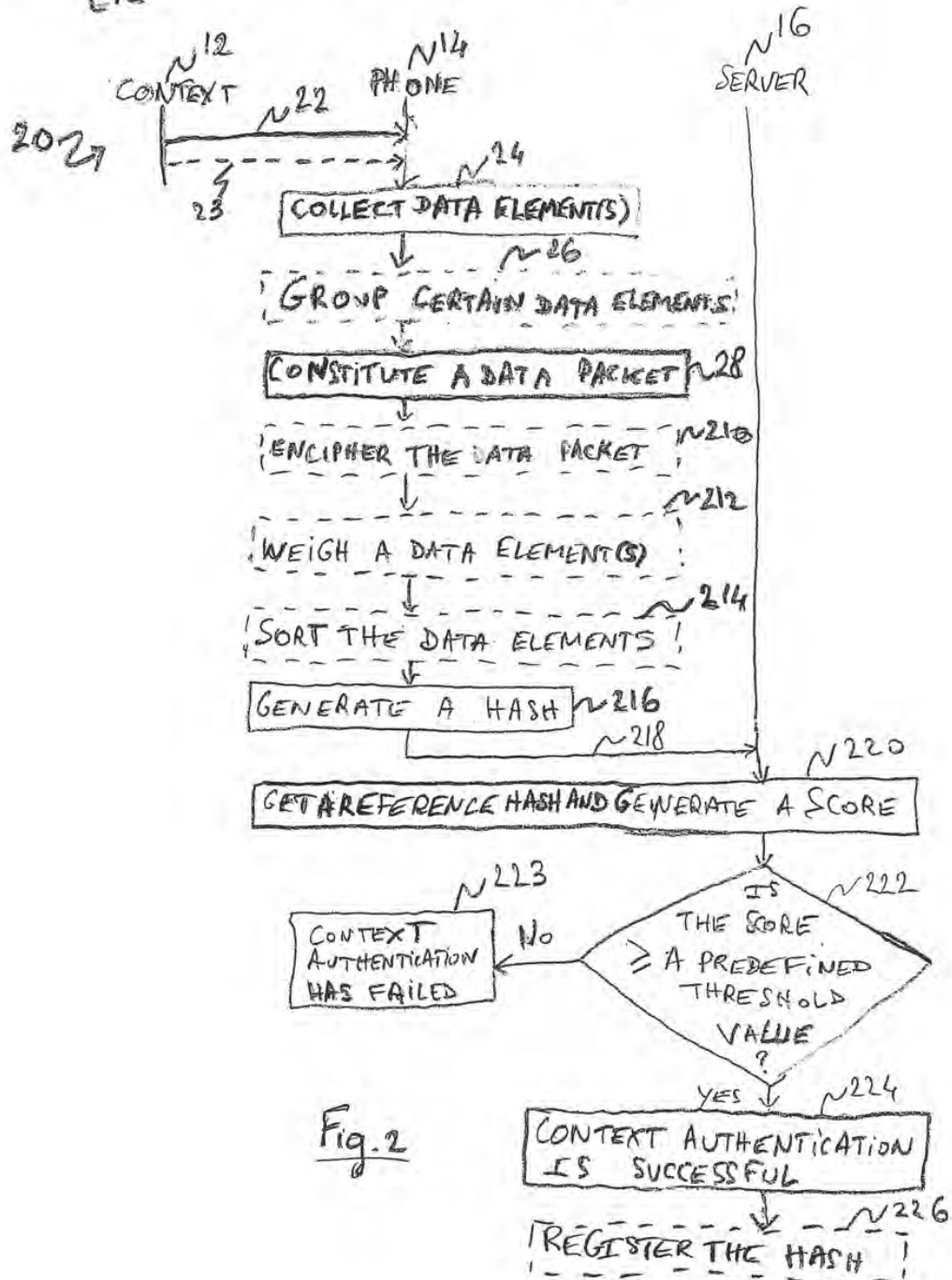
AUTHENTICATION METHOD, DEVICE AND SYSTEM**ABSTRACT**

The invention relates to an authentication method. The method comprises:

- 5 - collecting 24, based on a predetermined authentication policy, at least one context data element;
- constituting 28, based on the at least one collected context data element, a data packet;
- generating 216, by using a predetermined hash type algorithm and the data packet, as
- 10 input to the predetermined hash type algorithm, a hash;
- sending the generated hash;
- generating 220, as a hash distance generation step, a hash distance between the generated hash and a predetermined reference hash; and
- authenticating 224 successfully or not 223 based on the generated hash distance, as
- 15 an authentication step.

The invention also relates to corresponding device and system.

Figure 2





Acknowledgement of receipt

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Submission number	6922232	
PCT application number	PCT/EP2018/081759	
Date of receipt	19 November 2018	
Receiving Office	European Patent Office, The Hague	
Your reference	GMT3707WO/DD	
Applicant	GEMALTO SA	
Number of applicants	1	
Country	FR	
Title	AUTHENTICATION METHOD, DEVICE AND SYSTEM	
Documents submitted	eolf-pkda.xml eolf-appb.xml eolf-vlog.xml eolf-abst.txt	eolf-requ.xml eolf-fees.xml eolf-othd-000001.pdf (25 p.) eolf-appb-P000001.pdf (2 p.)
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Message Digest	33:47:B6:0A:A6:C4:80:C8:E5:F7:4E:ED:BB:B7:19:AB:4C:DF:76:7E	

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AUTHENTICATION METHOD, DEVICE AND SYSTEM**ABSTRACT**

The invention relates to an authentication method. The method comprises:

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- 10 input to the predetermined hash type algorithm, a hash;
- sending the generated hash;
- generating 220, as a hash distance generation step, a hash distance between the generated hash and a predetermined reference hash; and
- authenticating 224 successfully or not 223 based on the generated hash distance, as
- 15 an authentication step.

The invention also relates to corresponding device and system.

Figure 2

CLAIMS

1. An authentication method (20) comprising:
 - collecting (24), based on a predetermined authentication policy, at least one context data element;
 - 5 - constituting (28), based on the at least one collected context data element, a data packet;
 - generating (216), by using a predetermined hash type algorithm and the data packet, as input to the predetermined hash type algorithm, a hash;
 - sending the generated hash;
 - 10 - generating (220), as a hash distance generation step, a hash distance between the generated hash and a predetermined reference hash; and
 - authenticating (224) successfully or not (223) based on the generated hash distance, as an authentication step.
- 15 2. Method according to claim 1, wherein, the predetermined hash type algorithm comprising a locality sensitive hash type algorithm, the method further comprises, as the hash distance generation step and the authentication step, the following steps:
 - generating, by using the locality sensitive hash type algorithm, a score, as a level of similarity between the generated hash and the predetermined reference hash;
 - 20 - comparing the score to a predetermined threshold value;
 - authenticating successfully only if the score is equal to or greater than the predetermined threshold value.
- 25 3. Method according to claim 1 or 2, wherein, prior to generating the hash, the method further comprises sorting, according to a numerical order, the at least one collected context data element within the data packet.
4. Method according to any previous claim, wherein, prior to generating the hash, the method further comprises weighting, according to the authentication policy, at least one
 - 30 of the at least one context data element.
5. Method according to any previous claim, wherein, prior to constituting the data packet, the method further comprises grouping, according to the authentication policy,

together at least two context data elements comprised within the at least one context data element, to constitute at least one corresponding context data group.

6. Method according to any previous claim, wherein, prior to generating the hash, the
5 method further comprises ciphering, according to the authentication policy, the data packet.

7. Method according to claim 6, wherein a key used for the data packet ciphering
10 includes a key generated by using a hash-based message authentication code key type derivation function.

8. Method according to any previous claim, wherein the hash type algorithm includes
at least one element of a group including:
- a locality sensitive hash type algorithm;
15 - a Trend micro Locality Sensitive Hash type algorithm;
- a nilsimsa type algorithm;
- an sdhash type algorithm;
- an ssdeep type algorithm; and
- a fuzzy matching type algorithm;
20 - an approximate matching type algorithm;
- a near duplicate matching type algorithm; and
- a similarity detection type algorithm.

9. Method according to any previous claim, wherein, each time the authentication is
25 successful, the method further comprises storing the generated hash.

10. Method according to any previous claim, wherein, each time the authentication is
successful, the method further comprises registering, instead of the predetermined
reference hash, the generated hash, as an updated reference hash to be used for a
30 next authentication.

11. A first authentication device (14), **characterized in that** the first authentication
device is configured to:

- collect, based on a predetermined authentication policy, at least one context data element;
- constitute, based on the at least one collected context data element, a data packet;
- generate, by using a predetermined hash type algorithm and the data packet, as input
- 5 to the predetermined hash type algorithm, a hash; and
- send to a second authentication device the generated hash.

12. Device according to claim 11, wherein the first authentication device includes at least one element of a group including:

- 10 - a mobile phone;
- a Personal Computer;
- a vehicle;
- a desktop;
- a virtual reality device;
- 15 - an augment reality device;
- an Internet Of Things type device; and
- a computing device.

13. A second authentication device (16), **characterized in that** the second authentication device is configured to:

- 20 - receive a generated hash;
- generate a hash distance between the generated hash and a predetermined reference hash; and
- authenticate successfully or not based on the generated hash distance.

25

14. Device according to claim 13, wherein the second authentication device includes at least one element of a group including:

- a secure element;
- a local server;
- 30 - a remote server;
- a mobile phone;
- a Personal Computer;
- a vehicle;

- a desktop;
- a virtual reality device;
- an augment reality device;
- an Internet Of Things type device;
- 5 - a computing device.

15. An authentication system (10), **characterized in that**, the system comprising a first authentication device (14) and at least one second authentication device (16), the first authentication device is configured to:

- 10 - collect, based on a predetermined authentication policy, at least one context data element;
- constitute, based on the at least one collected context data element, a data packet;
- generate, by using a predetermined hash type algorithm and the data packet, as input to the predetermined hash type algorithm, a hash;
- 15 - send to the second authentication device, the generated hash; and
- in that** the second authentication device is configured to:
 - receive from the first device, the generated hash;
 - generate a hash distance between the generated hash and a predetermined reference hash; and
- 20 - authenticate successfully or not based on the generated hash distance.

AUTHENTICATION METHOD, DEVICE AND SYSTEM

Field of the invention:

The present invention relates generally to an authentication method and an authentication device.

- 5 Furthermore, the invention pertains to an authentication system as well. The system includes at least two devices.

The present invention is notably applicable to a field in which a first device is e.g. a mobile (tele)phone or a Personal Computer (or PC) and a second device is e.g. a (local) Secure Element (or SE) or a remote server.

- 10 Within the present description, an SE is a smart object that includes a chip(s) that protect(s), as a tamper resistant component(s), access to stored data and that is intended to communicate data with a device(s), like e.g., an SE host device, and/or an SE user.

State of the art:

- 15 EP 2 924 603 A2 describes a user authentication technique based on a transmission, from a client to a server, of a captured video signal including a physical user characteristic(s) and a physical object(s)/element(s) in the user environment. The sever analyses the captured video signal to determine a value associated with each of the visual and audio elements, as environment characteristics. The server determines a
20 total score for the captured video signal and compares the total score to a predetermined reference score. The server decides to authorize (or not) based on a comparison result.

- However, such a known solution requires a big bandwidth, namely several Mb, for an upload of the captured video signal. Moreover, the uploaded captured video signal
25 includes information that discloses the user environment and therefore private data.

There is a need of an alternative authentication solution while being more efficient and more secure than such an aforementioned known solution.

Summary of the invention:

- The invention proposes a solution for satisfying the just herein above specified
30 need by providing an authentication method.

According to the invention, the method comprises:

- collecting, based on a predetermined authentication policy, at least one context data element;

- constituting, based on the at least one collected context data element, a data packet;
- generating, by using a predetermined hash type algorithm and the data packet, as input to the predetermined hash type algorithm, a hash;
- sending the generated hash;
- 5 - generating, as a hash distance generation step, a hash distance between the generated hash and a predetermined reference hash; and
- authenticating successfully or not based on the generated hash distance, as an authentication step.

The principle of the invention consists in capturing, at a client device side, (local)
 10 context (or environment) data element(s) depending on an authentication policy, building a corresponding data packet and determining with a predefined hash type algorithm and, as input, the data packet a corresponding hash. The client device sends the determined hash. Then, a hash distance between the determined hash and a predefined reference hash is determined. The thus determined hash distance is then
 15 used for authenticating (or not) the tested authentication context (under survey).

The authentication policy defines notably the number and/or the nature of the context data element(s) to be captured. The authentication policy may include data relating to the used (client) device, a user, object(s) or thing(s) to be locally present and detected. To capture the context data element(s), the invention does not impose any
 20 constraint. The client device may use a camera(s), a microphone(s) and/or one or several sensors that is(are) incorporated within or connected to the client device.

The invention (authentication) solution is, through the authentication policy, configurable and therefore adaptable to different (local) environment or context scenario(s).

25 Since the client device (or a cooperating device, such as an SE), where there is an environment to be authenticated, generates (or determines) a hash from a data packet resulting from captured environment or context data element(s), the hash is transmitted in a secure and protected manner.

A software component, such as a library, a hardware component and/or a device
 30 may carry out the hash distance generation step and the authentication step. The software component may be supported by the client device, a local device, such as an SE, cooperating with the client device, or a remote device, such as a remote server. The hardware component may be incorporated within or connected or coupled to the

client device, a local device, such as an SE, cooperating with the client device, or a remote device, such as a remote server.

It is noteworthy that the hash distance generation step provides a hash distance that allows to determine whether the generated hash is more or less close to a predefined reference hash. The hash distance allows inferring whether the
 5 corresponding captured context data element(s) is(are) or is(are) not successfully authenticated, i.e. sufficiently close to respective predetermined reference captured context data element(s).

The hash distance may be generated through a hash type comparison algorithm.

10 An authentication of the concerned (local) environment or context under survey is therefore carried out through such a hash distance that is specific to (or characterizes) the invention solution.

The hash distance allows the invention solution to be resilient to more or less small changes with respect to the predefined reference hash while still authenticating
 15 successfully the concerned (local) environment or context, i.e. the value of at least some captured (or collected) context data element(s) has changed slightly.

It is to be noted that the hash or digest, as a byte stream relating to original captured context data element(s), is a string of bits with a resulting length, from e.g. 32 bytes to e.g. a few kbytes. The resulting length may be (or not) variable according to the
 20 captured context data element(s).

The hash relates to the original (captured) context data element(s) and reduces the number of bits (or elements of information) to be transferred with respect to the original context data element(s).

Contrary to the aforementioned prior art solution, the invention solution does not
 25 need a large bandwidth to transmit data, including the hash, relating to the concerned environment or context, since the data relating to the concerned context includes only a few data (up to a few kbytes) to be transmitted.

Contrary to the aforementioned prior art solution, the invention solution is therefore efficient.

30 Moreover, the hash obfuscates the concerned original context data element(s), i.e. does not disclose any original context data element(s) in plain text.

Since no data relating to the privacy is transmitted in plain text, the invention is thus compliant with data privacy and therefore the Generation Data Protection Regulation (or GDPR).

Contrary to the aforementioned prior art solution, due to the use of a hash (and not the use of the concerned captured context data element(s) in plain text), the invention solution is secure.

The invention solution is an environment or context authentication solution that allows authenticating the concerned (local) environment or context under survey.

The invention solution is user convenient.

- Advantageously, the predetermined hash type algorithm comprising a Locality Sensitive Hash (or LSH) type algorithm, the method further comprises, as the hash distance generation step and the authentication step, the following steps:
- generating, by using the locality sensitive hash type algorithm, a score, as a level of similarity between the generated hash and the predetermined reference hash;
 - comparing the score to a predetermined threshold value;
 - authenticating successfully only if the score is equal to or greater than the predetermined threshold value.

The LSH type algorithm, as a hash type algorithm, is advantageously used to generate a score, as a hash distance used for comparing the generated hash to the predefined reference hash.

The generated score is then checked with respect to a predefined threshold value, so as to authenticate (or not) the concerned context.

Thus, the invention solution may be, through the score, as the hash distance, more or less permissive with respect to the predefined reference hash that has to be approached by the generated hash from the collected context data element(s).

It is to be noted that the score is either the hash distance itself or the result of a computation derived from the (hash) distance depending on the used algorithm for comparing the generated hash.

According to an additional aspect, the invention is a first authentication device.

- According to the invention, the first authentication device is configured to:
- collect, based on a predetermined authentication policy, at least one context data element;
 - constitute, based on the at least one collected context data element, a data packet;

- generate, by using a predetermined hash type algorithm and the data packet, as input to the predetermined hash type algorithm, a hash; and
- send to a second device the generated hash.

5 The first authentication device may be a mobile phone, a PC or any computing device.

According to an additional aspect, the invention is a second authentication device.

According to the invention, the second authentication device is configured to:

- receive a generated hash;
- generate a hash distance between the generated hash and a predetermined reference hash; and
- 10 - authenticate successfully or not based on the generated hash distance.

The second authentication device may be a secure element, a remote server or any computing device.

According to still a further aspect, the invention is an authentication system.

15 According to the invention, the system comprising a first authentication device and at least one second authentication device, the first authentication device is configured to:

- collect, based on a predetermined authentication policy, at least one context data element;
- 20 - constitute, based on the at least one collected context data element, a data packet;
- generate, by using a predetermined hash type algorithm and the data packet, as input to the predetermined hash type algorithm, a hash;
- send to the second authentication device, the generated hash; and

the second authentication device is configured to:

- 25 - receive from the first device, the generated hash;
- generate a hash distance between the generated hash and a predetermined reference hash; and
- authenticate successfully or not based on the generated hash distance.

Brief description of the drawings:

30 Additional features and advantages of the invention will be apparent from a detailed description of one preferred embodiment of the invention, given as an indicative and non-limitative example, in conjunction with the following drawings:

- Figure 1 illustrates a simplified diagram of an exemplary embodiment of a system comprising a mobile phone and a server, the phone being configured to collect, based on a predefined authentication policy, a data element(s) comprised within the phone context, constitute a corresponding data packet, generate a corresponding hash, and
 5 send to the server the hash, the server being configured to generate a hash distance between the hash and a predetermined reference hash and authenticate, based on to the hash distance, the concerned context, according to the invention; and
- Figure 2 represents an example of a flow of messages exchanged between the user, the phone and the server of the system of figure 1, so that the server receives a hash
 10 generated at the client side, generates a corresponding hash distance and authenticates (or not), thanks to the generated hash distance, the concerned context.

Detailed description:

Herein under is considered an exemplary embodiment in which the invention authentication method is implemented notably by a phone, as a client (computer) device
 15 and a standalone entity, i.e. without cooperating with another device, such as an SE, and a remote server.

According to another exemplary embodiment (not represented), the invention authentication method is implemented by a computer device, as a terminal, in cooperation with an SE embedded within or connected to the terminal. According to
 20 such an embodiment, the SE, as a local and second authentication device, is adapted to perform the functions that are carried out by the server and described herein below while enhancing the security of stored and/or processed data.

The SE may be an incorporated chip, as a chip soldered, possibly in a removable manner, like e.g., an embedded SE, an embedded Universal Integrated Circuit Card (or eUICC) or an integrated Universal Integrated Circuit Card (or iUICC), on a Printed
 25 Circuit Board (or PCB) of the terminal, or a chip that is coupled to the terminal and included within a Universal Serial Bus (or USB), a smart card or any other medium (that may have different form factors), as an SE host device. The chip may thus be fixed to or removable from its host device, like e.g., the mobile phone.

30 The invention does not impose any constraint as to a kind of the SE type.

Naturally, the herein below described embodiment is only for exemplifying purposes and is not considered to reduce the scope of the present invention.

Figure 1 shows schematically an (authentication) system 10 that includes a (mobile) phone 14 and a remote (web) server 16.

The system is arranged to authenticate (or not) a context 12 (or environment) under survey.

5 The context 12 includes e.g. a user 11, as the owner of the phone 14.

Additionally (or alternately), the context 12 includes e.g. a TeleVision (or TV) set 13, as a physical object or thing.

However, the invention (authentication) solution is also applicable when the context 12 includes one or several human beings (and/or animal(s)) and/or one or
10 several (physical) things.

For the sake of simplicity, only one phone 14, as a first (authentication) device, and only one user 11 and one object, as context data elements, have been represented.

However, the server 16, as a second (authentication) device, manages a set of context accounts and respective reference (context) hashes that have been previously
15 respectively registered while using the same invention authentication process.

Instead of being constituted by a phone, the first device may be constituted by e.g., a smart phone, a PC, a vehicle, a virtual reality device, an augmented reality device, an Internet Of Things type device, a set-top box, a tablet computer, a desktop computer, a laptop computer, a video player, an audio player, a media-player, a game
20 console, a netbook, a Personal Digital Assistant (or PDA), and/or any other computer device. Such a list of first devices is given as mere examples for a first device that may be used without being exhaustive.

Instead of being constituted by a physical first device, a software component, such as a library, or a hardware component carries out the functions that are described infra
25 and that are performed by the phone 14.

The phone 14 includes one or several Central Processing Unit(s) (or CPU), (micro)processor(s) and/or (micro)controller(s) (not represented), as data processing means, one or several memories (not represented), as data storing means, and one or several Input/Output (or I/O) interfaces (not represented).

30 The (or each) phone processor processes data originating from and/or intended to any internal component and data originating from and/or intended to any external device through one or several phone I/O interfaces.

The phone memories may include one or several EEPROMs (acronym for "Electrically Erasable Programmable Read-Only Memory"), one or several ROMs (acronym for "Read Only Memory"), one or several Flash memories and/or any other memories of different types, like e.g., one or several RAMs (acronym for "Random Access Memory").

The phone 14 supports one or several Operating Systems (or OS).

The phone 14 supports a client application that allows the phone 14 to send, after a context data element collection, a corresponding data packet constitution and a corresponding hash generation, to the server 16 information including the generated hash. The generated hash allows the server 16 to authenticate (or not) the concerned context 12.

A phone 14 memory (and/or a memory of another device connected or coupled to the phone 14) stores a Mobile Station International Subscriber Directory Number (or MSISDN), as the phone 14 number, and/or the like, as a phone 14 Identifiers (or ID), , an International Mobile Equipment Identity (or IMEI), an email address and/or other data that allow(s) uniquely identifying the phone 14, as the first device.

The phone I/O interface(s) may comprise (and/or be connected to) a display screen and a keyboard, as a phone Man Machine Interface (or MMI), so as to interact with the user 11.

The phone I/O interface(s) includes e.g., a camera 142, so as to capture or collect video or picture data that is included in the environment or context that is present in front of the camera 142.

The phone I/O interface(s) includes e.g., one or several sensors that allow each to collect data relating to the context of the phone 14.

The phone I/O interface(s) includes e.g., an antenna 144, allowing to transmit data, through a Radio-Frequency (or RF) link(s) 15, as a wireless link(s), via a possible (communication) network(s), to the server 16.

The RF may be fixed at several hundreds of MHz, e.g., around 850, 900, 1800, 1900 and/or 2100 MHz, as Long Range (or LR) type RF.

The RF link 15 between the phone 14 and the server 16 is at least mono-directional, namely at least an uplink, i.e. from the phone 14 to the server 16.

The channel may be related to an HyperText Transfer Protocol (or HTTP) (Secure) (registered trademark) type channel, an Over-The-Air (or OTA), an Over-The-Internet (or OTI) type channel or any other data communication channel.

The channel using the RF link 15 may be secure or unsecure.

- 5 The phone 14 is arranged to collect, based on a predetermined authentication policy, an image (or picture) (and/or a video signal) including image data relating to the user 11 face and image data relating to the TV 13, as data elements included in the context (relating to the phone 14).

- 10 To collect a context data element(s), the phone 14 may use a Machine Learning (or ML) engine to analyse a collected (or captured) image.

Each context data element is preferably a string of bits (or units of information) with an individual fixed length.

- 15 The authentication policy allows configuring the phone 14 to process data originating from a surrounding environment of the phone 14, so as to authenticate the concerned environment.

- 20 The authentication policy is preferably previously (prior to launching an authentication process) provided by the server 16 or another server (not represented) connected to the server 16. The authentication policy comprises a set of identified context data elements to be collected, so as to define context data element(s) to be collected.

- 25 As context data element(s), the context data element(s) may include, besides image data relating to the user face and image data relating to the TV 13, other data, such as a phone ID, a Service Set Identifier (or SSID), an OS version ID, geolocation data (like e.g., Global Positioning System (or GPS) data), a user 11 heart rate (not represented) and/or other data. To collect a context data element(s), the phone 14 may get or retrieve data, such as a phone ID, stored in a memory included within the phone 14 or a device connected or coupled to the phone 14.

- 30 The authentication policy may also define how the concerned context data element(s) is transformed into a corresponding data packet, how the resulting data packet is possibly processed, such as grouped, ciphered, weighted and/or sorted, and/or how a corresponding hash has to be generated.

The authentication policy may comprise information allowing to group together at least certain collected context data elements with respect to the other collected context

data element(s). Thus, certain context data elements are to be grouped within one and the same group, such as data relating to the operation of the phone 14, like e.g., an SSID and/or an OS version ID, and/or data relating to the audio and/or visual environment.

- 5 When two or more collected context data elements are grouped, the concerned collected context data element group impacts the corresponding generated hash distance (or score) by increasing the hash distance (or score) variation, i.e. if at least one of the collected context data elements within a concerned group changes, then the resulting corresponding generated hash distance (or score) varies more than if all of the
10 collected context data elements of the group were kept (individually) separated from each other.

- The authentication policy may comprise data for requesting that a data packet that results from the context data element(s) (possibly grouped at least in part) has to be ciphered by using a key generated from submitted user authentication data (or one or
15 several data items originating from one or several external sources, such as a thermometer) (instead of being ciphered, being processed by a keyed one way function (i.e. non reversible), such as HMAC type function). Such a data packet ciphering request may further specify to use a specific encryption key, a specific encryption key generation algorithm, a specific data encryption algorithm and/or a process to generate
20 the concerned encryption key or algorithm. The encryption key may be generated by using user authentication data, such as a Personal Identity Number (or PIN), a One-Time Password (or OTP), a password and/or a biometric user feature(s), such as a one or several user fingerprints, a user iris, a user face and/or a user palm(s), and/or data provided by one or several external sources, such as an SE, as input to an (identified)
25 key generation algorithm. The encryption key may be generated by using a Hash-based Message Authentication Code (or HMAC) key derivation function.

- The authentication policy may comprise data for identifying a user authentication to be used for authenticating the user 11, when applicable, i.e. when the user authentication data is to be included in the context data element(s). For example, the
30 user 11 has to authenticate by providing a PIN, an OTP, a password and/or a biometric user feature(s), such as a one or several user fingerprints, a user iris, a user face and/or a user palm(s).

The authentication policy may comprise one or several weights to be associated with a specific (identified) group(s) and/or a specific (identified) context data element(s), so as to give heavier importance to the concerned group(s) and/or context data element(s) with respect to the other collected group(s) and/or collected context data element(s) within a corresponding data packet.

The authentication policy may comprise data for requesting that, prior to generating a corresponding hash, the context data element(s) (possibly grouped at least in part) has to be sorted, according to a predetermined numerical order, such as an increasing or decreasing numerical order.

The authentication policy may comprise data for identifying a hash type algorithm to be used for generating a hash relating to the collected context data element(s).

The authentication policy may comprise data for identifying several hash type algorithms to be used for generating several hashes relating to the collected context data elements which may have separate natures of data elements. The corresponding hash distance (or score) to be generated is then averaged (or weighted) the hashes resulting from each hash type algorithms.

Optionally, the phone 14 is arranged, preferably according to the authentication policy, to group at least two collected context data elements within the collected context data elements within the data packet.

The phone 14 is adapted to constitute, based on the collected context data element(s), a (resulting) data packet by e.g. concatenating the collected context data element(s).

The data packet is a kind of passphrase comprising, as word(s), the collected context data element(s).

The data packet is a string of bits (or units of information) with a resulting length that may vary depending on the collected context data element length(s) between separate context authentication sessions. The data packet length corresponds to an addition of all of the individual length(s) relating to the collected context data element(s).

Optionally, the phone 14 is adapted, preferably according to the authentication policy, to cipher or encrypt the data packet. Each of the context data elements that are possibly grouped at least in part is thus ciphered by using a predetermined encryption key. The encryption key may have been generated by using a HMAC type derivation function.

Optionally, the phone is adapted to weigh, according to the authentication policy, one or several (identified) collected context data element(s) of the collected context data element(s) that may have been previously grouped within the data packet. Such a collected context data element weighing may depend on a predetermined hash type algorithm to be used for generating a hash. Such a collected context data element weighing allows favouring the concerned collected context data element(s) and/or the concerned context data group(s) with respect to the other context data elements comprised within the concerned data packet. To weigh the concerned context data element(s), the phone 14 may duplicate the concerned context data element(s).

10 Optionally, the phone is arranged preferably according to the authentication policy, to sort, according to a numerical order, such as an increasing or a decreasing numerical order, the collected context data element(s) within the data packet. Such a (collected) context data element sorting allows preserving, depending on the used hash type algorithm, a generation of a corresponding hash and therefore a corresponding hash distance, i.e. the hash to be generated does not change when the concerned context data element sorting order is kept.

According to an essential invention feature, the phone 14 is configured to generate a hash by using a predetermined hash type algorithm and the data packet, as input to the predetermined hash type algorithm.

20 The predetermined hash type algorithm may be one of the following algorithms: a Locality Sensitive Hash (or LSH) type algorithm, a fuzzy matching type algorithm, a Trend micro Locality Sensitive Hash (or TLSH) type algorithm, a nilsimsa type algorithm, an sdhash type algorithm, an ssdeep type algorithm, an approximate matching type algorithm, a near duplicate matching type algorithm and a similarity detection type algorithm.

Such a list of hash type algorithms is given without being exhaustive as mere examples for an hash type algorithm that may be used for generating a hash with, as input, a data packet.

30 The hash type algorithm may incorporate a weighting, within the collected context data element(s), of one or several context data elements and/or one or several context data element group(s).

The phone 14 is arranged to send to the server 16, as a second (authentication) device, the generated hash.

Such a generated hash, as a cipher and a kind of context signature, allows not to disclose any original (user) private data that has been locally collected and therefore preserve the data privacy.

The generated hash has a fixed length that is a few data (up to a few kbits).

- 5 Instead of being constituted by a (physical) server, the second device may be constituted by e.g., a smart phone, a PC, a vehicle, a virtual reality device, an augmented reality device, an Internet Of Things type device, a set-top box, a tablet computer, a desktop computer, a laptop computer, a video player, an audio player, a media-player, a game console, a netbook, a Personal Digital Assistant (or PDA), and/or
10 any other computer device. Such a list of second devices is given as mere examples for a second device that may be used without being exhaustive.

Instead of being constituted by a physical second device, a software component, such as a library, or a hardware component carries out the functions that are described infra and that are performed by the server 16.

- 15 The server 16 is connected to the phone 14 over the link 15.

The server 16 is remote and accessible through possibly one, two or more communication networks, such as an Intranet network and/or an Internet network, that allow to define or form a corresponding communication channel.

The corresponding communication channel may be secure or unsecure.

- 20 According to an alternative embodiment (not represented), the server 16 is local. For example, the server 16 is embedded within a device, such as an SE that is connected or coupled to the PC 14.

- The server 16 may be operated or managed by a Mobile Network Operator (or MNO), a Mobile Virtual Network Operator (or MVNO), a banking Operator, a wire
25 communication network operator, a service Operator (or administrator) or on behalf of a service Operator, as a service provider.

- The server 16 includes one or several CPU(s), (micro)processor(s) and/or (micro)controller(s) 162, as data processing means, one or several memories 164, as data storing means, and one or several I/O interfaces 166 that are internally together
30 connected.

A (or the) server I/O interface 166 is used for communicating with external devices, such as the first device 14.

A (or the) server memory 164 stores preferably, besides an OS, an invention (server) authentication application accessible from the server 16 processor.

A (or the) server memory 164 stores or registers a database.

The database includes a set of e.g. first device accounts. The database relates to
 5 a set of e.g. first devices, as a fleet of first devices.

Each first device account may include one or several associated user identifiers, such as a user name.

The database includes preferably, in association with e.g. each (identified) first device account, a corresponding predetermined reference hash.

10 The predetermined reference hash has been previously (i.e. during an enrolment or registration phase and prior to any (context) authentication) registered while using the invention authentication process.

The database may associate, for each individual first device or the first device set, a registered predetermined hash type algorithm.

15 The predetermined hash type algorithm may be one of the following algorithms an LSH type algorithm, a fuzzy matching type algorithm, a TLSH type algorithm, a nilsimsa type algorithm, an sdhash type algorithm, an ssdeep type algorithm, an approximate matching type algorithm, a near duplicate matching type algorithm and a similarity detection type algorithm.

20 Such a list of hash type algorithms is given without being exhaustive as mere examples for an hash type algorithm that may be used for generating a hash distance with, as inputs, a generated hash (to be received from a client device) and a corresponding (registered) reference hash.

The database may associate, for each individual first device or the first device set,
 25 a registered predetermined threshold value.

The predetermined threshold value has been previously (i.e. prior to any (context) authentication) registered. The predetermined threshold value is configurable according to a level of risk that the concerned service provider may take.

The (or each) server processor processes data originating from and/or intended to
 30 any internal component and data originating from and/or intended to any external device through one or several server I/O interfaces.

The server 16 supports one or several OSs.

The server 16 supports a server application that allows the server 16, after a hash reception and a corresponding hash distance generation, to authenticate (or not), based on the hash distance, the concerned phone context.

The server 16 may be configured to generate and send an authentication policy to
5 the first device, such as the phone 14, prior to any first device enrolment.

The server 16 is adapted to receive, from an (identified) client device, such as the phone 14, a generated hash.

The server 16 identifies, based on a received e.g. client device ID(s), a corresponding first device registered within the database accessible to the server 16.

10 Then, the server 16 retrieves a predetermined reference hash that is registered in association with the registered first device or a corresponding first device fleet.

According to an essential invention feature, the server 16 is configured to generate on-the-fly, i.e. when a first device launches a login (or connection) session with the server 16, a score, as a hash distance between the (received) generated hash and a
15 (registered) predetermined reference hash.

To generate the score, the server 16 uses the (retrieved) predetermined hash type algorithm and the (retrieved) predetermined reference hash.

The server 16 is adapted to authenticate successfully or not, based on the generated hash distance, the concerned context 12.

20 More exactly, the server 16 is configured to fail to authenticate the context 12 if the generated hash distance is less than the (retrieved) predetermined threshold value.

The server 16 is configured to succeed in authenticating the context 12 if the generated hash distance is equal to or greater than the (retrieved) predetermined threshold value.

25 The server 16 may be adapted to store, preferably in a secure and persistent manner, the (received) generated hash, each time the authentication is successful. Such a generated hash storage when the authentication is successful allows to trace the success authentication history or evolvment.

Alternately (or additionally), each time the authentication is successful, the server
30 16 is arranged to register, instead of the predetermined reference hash, the (received) generated hash, as an updated reference hash to be used for a next authentication. The authentication process taking into account the last generated hash, as the updated

reference hash for a new (context) authentication, lets evolve the corresponding reference hash with the time at each authentication success.

Figure 2 depicts an example of a message flow 20 that involves the phone 14 and the server 16, so that the server 16 authenticates the context 12 based on a hash distance between a (received) generated hash and a (registered) predetermined reference hash.

It is assumed that the authentication policy has been provided during a personalization phase to the phone 14. The authentication policy requests to collect an image relating to the user 11 face, an image relating to the TV 13 and a phone ID, as three context data elements to be detected, so as to authenticate the user 11.

It is further assumed that the server 16 has previously registered (not represented) a user 11 ID in association with the phone 14 number, as a phone ID, a predetermined reference hash corresponding to the user 11 face image, the TV 13 image and the phone ID, as corresponding context data elements, a predetermined threshold value, such as e.g. 75%, and a predetermined hash type algorithm to be used for generating a hash distance.

It is assumed that the predetermined hash type algorithm to be used for generating a hash and a corresponding hash distance is e.g. a LSH type algorithm.

The use of an LSH type algorithm allows generating similar hashes, i.e. a hash distance or score that is good, i.e. the score is equal or greater than the predefined threshold value, when there is a slight change between the hash relating to the current context under survey and the reference hash relating to a corresponding reference context.

The phone 14 thus constitutes a reference first (communication) device to be locally present within the user 11 context 12, so as to authenticate, through the context 12, the user 11.

It is further assumed that the phone 14 accesses the phone 14 ID and an image signal captured by the phone camera 142.

An execution of the client application supported by the phone 14 is automatically launched (i.e. without any involvement of the user 11).

Alternately, the user 11 launches the client application while using an MMI that is included in or connected to the phone 14.

The phone 14 gets, through the phone camera 142, an image signal 22 relating to all the physical human(s) (and/or animal(s)) and/or thing(s) that are present in front of the phone 14.

In the present scenario, the image signal includes e.g. the user 11 face image and
5 the TV 13 image.

The phone 14 retrieves (not represented) from a phone memory the MSISDN of the phone 14, as the phone 14 ID.

Instead of collecting the phone 14 ID from a phone memory, the phone 14 collects from a locally connected device, such as an SE that has preferably authenticate a user
10 e.g. through a PIN comparison to a reference PIN that is stored in an SE memory, the phone 14 ID 23.

The phone 14 collects 24 the user 11 face image and the TV 13 image while extracting from the image signal 22 the user 11 face image and the TV 13 image and the phone 14 ID, as three context data elements required by the authentication policy.

15 The phone 14 may group 26, based on the authentication policy, at least two context data elements, e.g., the user 11 face image and the TV 13 image, as one and the same context data element group, within the collected data elements.

The phone 14 constitutes 28, based on the collected context data elements, a data packet by e.g. concatenating the collected context data elements

20 Optionally, the phone 14 enciphers 210, based on the authentication policy, the (resulting) data packet, so as to improve the security aspect. The data packet that is thus enciphered while using a key depending on e.g. user authentication impacts on the corresponding hash distance (or score). If the user is not successfully authenticated (at the client side), then the corresponding resulting hash is remote from a predetermined
25 reference hash leading to a "bad" hash distance (or score) and therefore a failure of context authentication (even if the other collected context data element(s) is(are) right with respect to a collected reference context data element(s) that produces the corresponding predetermined reference hash).

30 The phone 14 may weigh 212, based on the authentication policy (or the used predetermined hash type algorithm), more or less heavy, one or several collected context data elements and/or one or several groups of collected context data elements with respect to the other collected context data elements within the data packet.

Optionally, the phone 14 sorts 214, according to a numerical order, such as a decreasing or an increasing order, the collected context data elements that are possibly grouped at least in part, possibly enciphered and/or possibly weighted, within the data packet.

- 5 Then, the phone 14 generates 216, by using e.g. a nilsimsa algorithm and the data packet, as input to the nilsimsa algorithm, a hash.

- The phone 14 sends, through e.g., a Short Message Service (or SMS), Multimedia Messaging Service (or MMS), Transmission Control Protocol/Internet Protocol (or TCP/IP), or HTTP(s) type channel, to an (identified) server 16 a message 218 that
10 includes the phone ID and the generated hash.

 Once the server 16 has received the message, the server 16 identifies (not represented), based on the phone ID, the concerned user 11 account and thus the associated predetermined reference hash and the associated predetermined hash type algorithm to be used for generating a hash distance.

- 15 Then, the server 16 generates a hash distance between the (received) generated hash and the predetermined reference hash.

 To generate the hash distance, the server 16 gets the reference hash and generates 220 a score by using e.g. the nilsimsa algorithm and the received generated hash and the predetermined reference hash, as the two inputs to the nilsimsa algorithm.

- 20 The score is considered as a level of similarity between the received generated hash and the predetermined reference hash. For instance with the nilsimsa algorithm, the score is "0" (zero) when there is no similarity i.e.0% of similarity, is "96" when there is 75% of similarity and is "128" when there is a full similarity, i.e. 100% of similarity.

- Once the server 16 has generated the hash distance, the server 16 verifies 222
25 whether the authentication is or is not successful based on the generated hash distance. To do such an authentication verification, the server 16 compares 222 the generated score with respect to the predetermined threshold value.

- If the generated score is less than the predetermined threshold value, then the server 16 fails 223 to authenticate, through the user context 12, the user 11 and denies
30 user access to the service(s) managed by or through the server 16.

 Otherwise, i.e. if the generated score is equal to or greater than the predetermined threshold value, then the server 16 succeeds 224 in authenticating, through the user

context 12, the user 11 and grants user access to a service(s) managed by or through the server 16.

Optionally, if the generated score is equal to or greater than the predetermined threshold value, the server 16 registers 226 the received generated hash by either
 5 further enriching (or adding to) a database relating to the reference hashes in case of authentication success or substituting the received generated hash to the registered predetermined reference hash. Thus, in this latter case, the authentication process is continuously adaptive along the way the authentication context is evolving.

Optionally, the server 16 sends (not represented) to the phone 14, through the
 10 same channel or an out-of-band channel than the one used for the submission of the generated hash, a message that includes a request to present or display the authentication result. Then, the phone 14 presents or displays the authentication result (not represented), such as "authentication failure" or "authentication success".

For the user, the invention solution is simple, easy, quick and practical since the
 15 user does not need to be involved. As a matter of fact, the user has just to present her or his face and the TV in front of the camera. The user does not need to enter any data, like e.g., an OTP, a number or a text on the first device, so as to let a first part collect the required context data elements and issue a corresponding hash to be verified by a second part, as its addressee, in order to be authenticated.

20 The invention solution allows carrying out a secure and efficient context authentication based on a hash distance that allows keeping flexibility.

The invention solution allows adapting to more or less small authentication context data element change(s), according to a level of risk to be adopted.

The invention solution does not include any oracle on the client (device) since it
 25 has no means for validating or verifying the generated hash. As a matter of fact, only the server is able to verify the generated hash.

The invention solution prevents thus from a client side brute-force attack of user authentication.

The embodiment that has just been described is not intended to limit the scope of
 30 the concerned invention. Other embodiments may be given. As another embodiment, instead of using an LR RF technology channel to transmit information to the second device, the first device uses a Short Range (or SR) RF technology(ies), like e.g., a Wi-

Fi, Bluetooth, a Near Field Communication or a Bluetooth Low Energy type technology(ies).

PCT (ANNEX - FEE CALCULATION SHEET)

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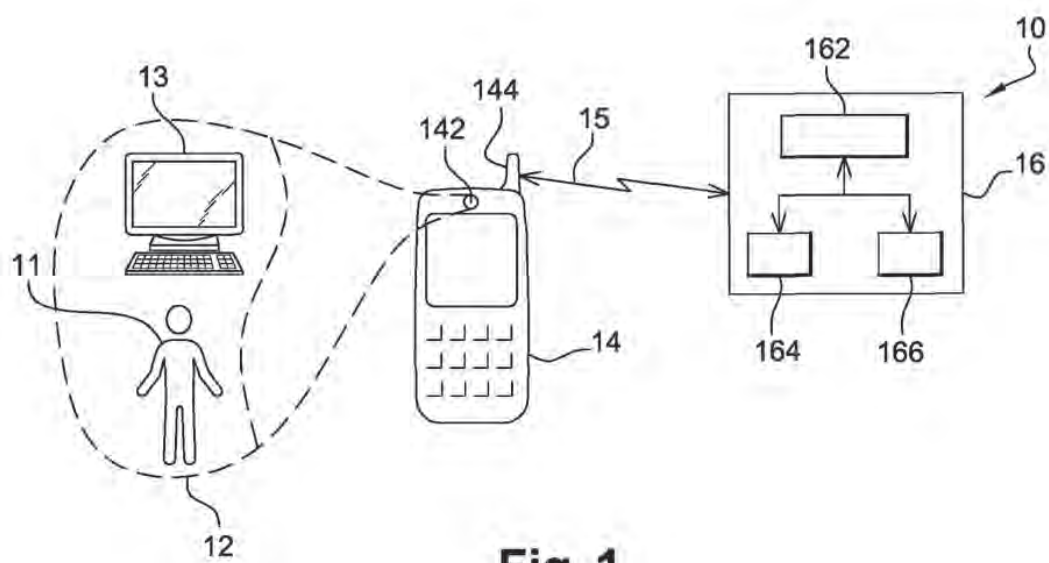
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0-1	International Application No.	PCT/EP2018/081759	
0-2	Date stamp of the receiving Office	19 NOV 2018 (19.11.2018)	
0-4	Form PCT/RO/101 (Annex)		
0-4-1	PCT Fee Calculation Sheet Prepared Using	PCT Online Filing Version 3.51.000.259e MT/FOP 20141031/0.20.5.20	
0-9	Applicant's or agent's file reference	GMT3707WO/DD	
2	Applicant	GEMALTO SA	
12	Calculation of prescribed fees	Fee amount/multiplier	Total amounts (EUR)
12-1	Transmittal fee T	€	130
12-2-1	Search fee S	€	1775
12-2-2	International search to be carried out by EP		
12-3	International filing fee (first 30 sheets) i1	1163	
12-4	Remaining sheets 2		
12-5	Additional amount (X) 13		
12-6	Total additional amount i2	26	
12-7	i1 + i2 = i	1189	
12-12	Electronic Filing reduction (Image) R	-175	
12-13	Total International filing fee (i-R) I	€	1014
12-14	Fee for priority document		
	Number of priority documents requested 1		
12-15	Fee per document (X) 50		
12-16	Total priority document fee P	€	50
12-17	Fee for restoration of priority rights RP		
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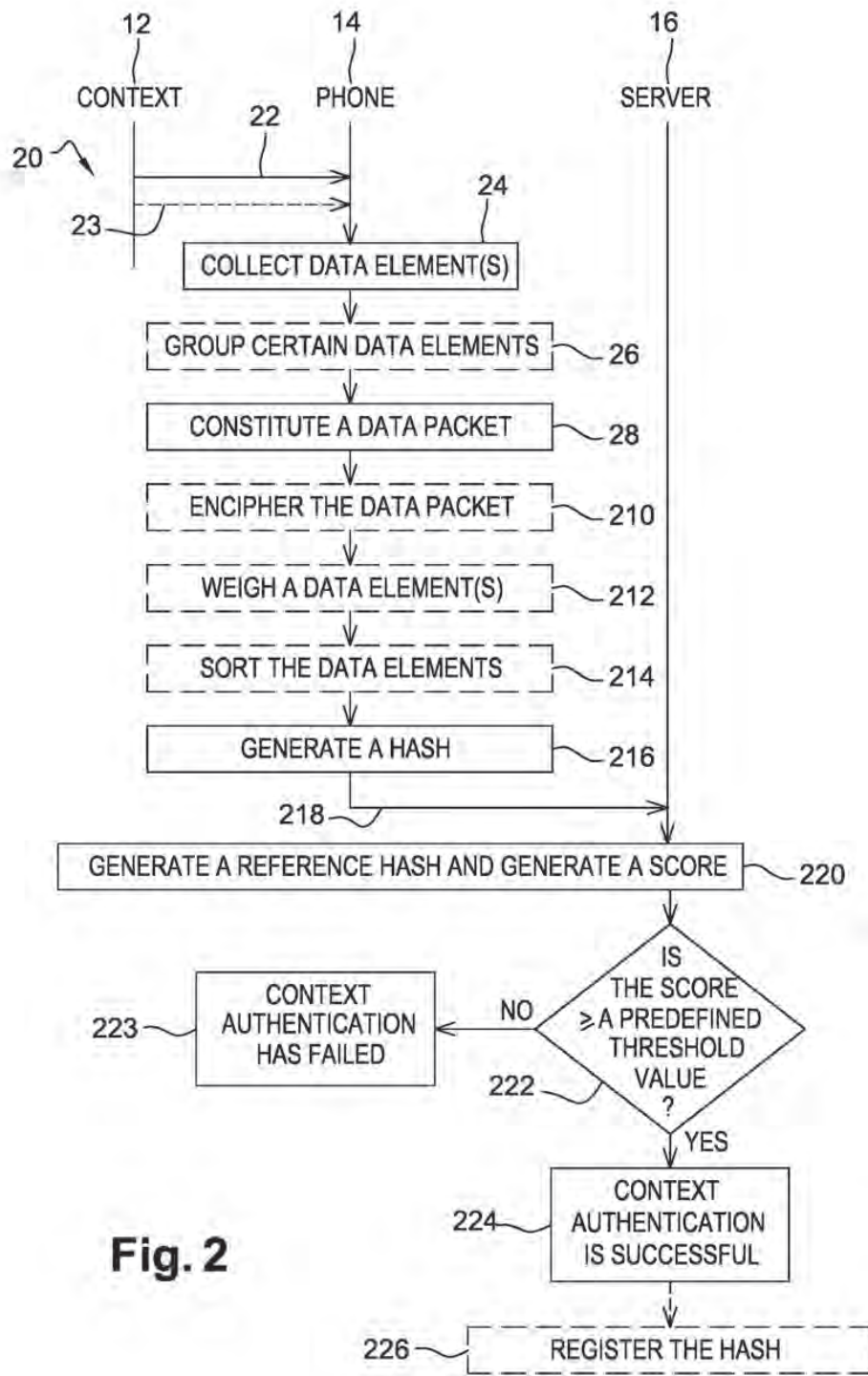
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12-21	Mode of payment	Authorization to charge deposit or current account
12-22	Deposit or current account instructions	
	The receiving Office	European Patent Office (EPO) (RO/EP)
12-22-1	Authorization to charge the total fees indicated above	✓
12-22-2	Authorization to charge any deficiency or credit any overpayment in the total fees indicated above	✓
12-22-3	Authorization to charge the fee for priority document	✓
12-23	Deposit or current account No.	28040233
12-24	Date	19 November 2018 (19.11.2018)
12-25	Name and signature	GEMALTO SA, /Luc Scheer/

**Fig. 1**

**Fig. 2**