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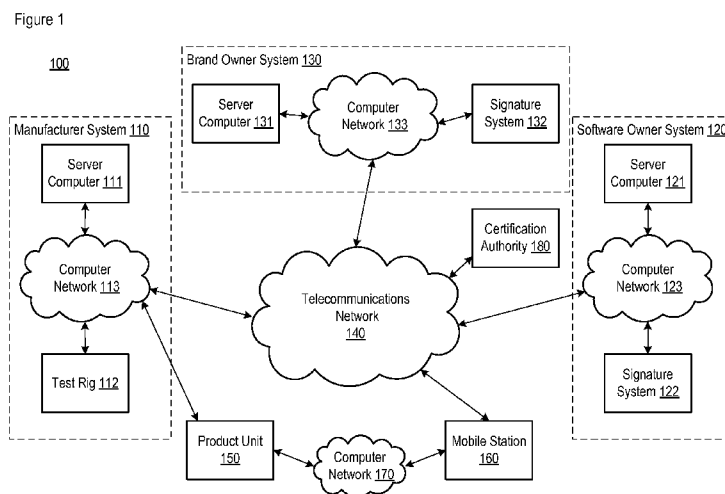
Published:

- with international search report (Art. 21(3))
- before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments (Rule 48.2(h))

(88) Date of publication of the international search report:

7 January 2016

(54) Title: SYSTEM AND METHOD FOR ADMINISTERING LICENSES STORED BY A PRODUCT UNIT, AND ADMINISTRATION OF SAID UNIT IN THE FIELD



(57) Abstract: The product unit disclosed herein has identification data that are stored internally in memory. This stored identification data can be viewed as the product unit's "digital nameplate," in that the data can represent the product unit's identifier, brand, and so on. Each data set is digitally signed while on the production line by using an encryption technique. The digitally signed data set is then written into the product unit's memory where it can be used for verification. A first digitally-signed data set can be used to control the use of one or more software modules that are provided by a software owner. The data that are undergoing signature contain at least one globally-unique identifier, which can be used to identify cloning attempts. Additionally, more than one digital signature can be used, in order to protect and control the use of features other than the software, such as the product brand.

WO 2015/160628 A3

**INTERNATIONAL SEARCH REPORT**

International application No  
PCT/US2015/025145

**A. CLASSIFICATION OF SUBJECT MATTER**

INV. H04L29/06 G06F9/445 H04L29/08 H04W12/06 H04L9/32  
G06F21/10 H04L9/30

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 H04L H04W

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, WPI Data, COMPENDEX, INSPEC, IBM-TDB

**C. DOCUMENTS CONSIDERED TO BE RELEVANT**

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 6 938 154 B1 (BERSON THOMAS A [US] ET AL) 30 August 2005 (2005-08-30) column 2, line 61 - column 3, line 3; figure 4 column 5, line 4 - column 5, line 13 column 5, line 39 - column 6, line 24 column 7, line 25 - column 8, line 5 -----	1-13
A	Anonymous: "Public key certificate - Wikipedia, the free encyclopedia",  14 April 2014 (2014-04-14), XP055202618, Retrieved from the Internet: URL:https://en.wikipedia.org/w/index.php?title=Public_key_certificate&oldid=60418151 3 [retrieved on 2015-07-15] the whole document ----- -/--	1-13

Further documents are listed in the continuation of Box C.

See patent family annex.

\* Special categories of cited documents :

- "A" document defining the general state of the art which is not considered to be of particular relevance
- "E" earlier application or patent but published on or after the international filing date
- "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- "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
- "&" document member of the same patent family

Date of the actual completion of the international search

9 November 2015

Date of mailing of the international search report

20/11/2015

Name and mailing address of the ISA/

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# INTERNATIONAL SEARCH REPORT

International application No.  
PCT/US2015/025145

## Box No. II Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)

This international search report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1.  Claims Nos.:  
because they relate to subject matter not required to be searched by this Authority, namely:
  
2.  Claims Nos.:  
because they relate to parts of the international application that do not comply with the prescribed requirements to such an extent that no meaningful international search can be carried out, specifically:
  
3.  Claims Nos.:  
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

## Box No. III Observations where unity of invention is lacking (Continuation of item 3 of first sheet)

This International Searching Authority found multiple inventions in this international application, as follows:

see additional sheet

1.  As all required additional search fees were timely paid by the applicant, this international search report covers all searchable claims.
2.  As all searchable claims could be searched without effort justifying an additional fees, this Authority did not invite payment of additional fees.
3.  As only some of the required additional search fees were timely paid by the applicant, this international search report covers only those claims for which fees were paid, specifically claims Nos.:
4.  No required additional search fees were timely paid by the applicant. Consequently, this international search report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

### Remark on Protest

- The additional search fees were accompanied by the applicant's protest and, where applicable, the payment of a protest fee.
- The additional search fees were accompanied by the applicant's protest but the applicable protest fee was not paid within the time limit specified in the invitation.
- No protest accompanied the payment of additional search fees.

## INTERNATIONAL SEARCH REPORT

International application No  
PCT/US2015/025145

C(Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT		
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	WO 2012/040393 A2 (GEN INSTRUMENT CORP [US]; ZHENG JINSONG [US]; CHAN TAT KEUNG [US]; CHE) 29 March 2012 (2012-03-29) abstract; figures 2A,2B paragraph [0011] - paragraph [0018] paragraph [0041] - paragraph [0051] paragraph [0059] - paragraph [0068] paragraph [0084] - paragraph [0096] -----	1-13
X	US 2007/174472 A1 (KULAKOWSKI ROBERT T [US]) 26 July 2007 (2007-07-26) abstract; figures 1,4 paragraph [0007] - paragraph [0022] paragraph [0037] - paragraph [0074] paragraph [0092] - paragraph [0098] -----	14-22
A	US 2005/255830 A1 (THORSON DEAN E [US] ET AL) 17 November 2005 (2005-11-17) paragraph [0010] - paragraph [0022] paragraph [0047] - paragraph [0049] -----	14-22

# INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No

PCT/US2015/025145

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
US 6938154	B1	30-08-2005	NONE
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WO 2012040393	A2	29-03-2012	US 2012143766 A1 07-06-2012 WO 2012040393 A2 29-03-2012
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US 2007174472	A1	26-07-2007	BR PI0706880 A2 12-04-2011 CA 2637632 A1 26-07-2007 CN 101371241 A 18-02-2009 EP 1977333 A2 08-10-2008 JP 2009524165 A 25-06-2009 KR 20080085231 A 23-09-2008 US 2007174472 A1 26-07-2007 US 2010268771 A1 21-10-2010 WO 2007084973 A2 26-07-2007
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US 2005255830	A1	17-11-2005	CN 1957588 A 02-05-2007 KR 20070012473 A 25-01-2007 US 2005255830 A1 17-11-2005 WO 2005114969 A2 01-12-2005
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**FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210**

This International Searching Authority found multiple (groups of) inventions in this international application, as follows:

1. claims: 1-13

Controlling and identification of a product unit in the field.

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2. claims: 14-22

Monitoring and identifying duplicates of a unique identifier of a product unit.

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