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- (71) Applicant: EUS ASSOCIATES LTD [GB/GB]; 4 The Rowans, Saxilby, Lincoln LN1 2SP (GB).
- (72) Inventors: GREAVES, Michael James; 9 Connaught Avenue, Ashford Kent TW15 3HY (GB). SHAW, Philip Martin; 4 The Rowans, Saxilby, Lincoln Lincolnshire LN1 2SP (GB).
- (74) Agent: LOVEN PATENTS & TRADEMARKS LIMITED; 3 Checkpoint Court, Lincoln Lincolnshire LN6 3PW (GB).
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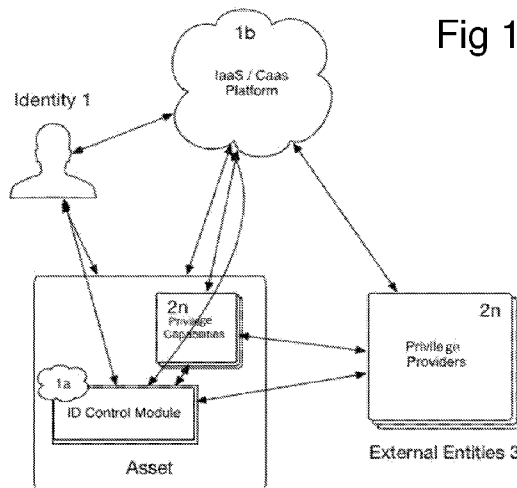
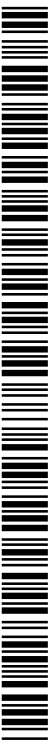


Fig 1

(57) Abstract: An access authorisation system comprises a central authenticator and an access device controlling access to each of a plurality of resources, the access device being remote from the central authenticator and being programmable and configured to communicate therewith. The authenticator stores: for each of a plurality of users, a user identifier and user identity data associated therewith; for each of a plurality of access devices, an access device identifier and data relating to each of the resources controlled by the access device; and at least one privilege granted to each user to use at least a selected one of the plurality of resources controlled by at least one of the access devices. The authenticator and the access device are programmed to perform the following steps in response to the user requesting from the authenticator exercise of the privilege: (a) in response to receipt of the request, the authenticator requests the user to provide to the authenticator individual identifying data for the user; (b) the authenticator compares this with stored data to verify the user's identity; (c) the authenticator transmits to the access device instructions to allow the user to exercise the or each privilege.



# INTERNATIONAL SEARCH REPORT

International application No  
PCT/GB2014/052429

<b>A. CLASSIFICATION OF SUBJECT MATTER</b> INV. G07C9/00 ADD.		
According to International Patent Classification (IPC) or to both national classification and IPC		
<b>B. FIELDS SEARCHED</b>		
Minimum documentation searched (classification system followed by classification symbols) G07C 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, INSPEC, WPI Data		
<b>C. DOCUMENTS CONSIDERED TO BE RELEVANT</b>		
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	EP 1 271 418 A1 (NOKIA CORP [FI]) 2 January 2003 (2003-01-02) abstract paragraph [0001] - paragraph [0020] paragraph [0040] - paragraph [0041] claim 1 figures 1-3	1,5-10
X	----- US 2013/038448 A1 (CHONG KAI YEW PAUL [SG] ET AL) 14 February 2013 (2013-02-14) abstract paragraph [0039] - paragraph [0047] figure 1 -----	1-4
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<input checked="" type="checkbox"/> Further documents are listed in the continuation of Box C. <span style="margin-left: 200px;"><input checked="" type="checkbox"/> See patent family annex.</span>		
* 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	Date of mailing of the international search report	
3 December 2014	28/04/2015	
Name and mailing address of the ISA/ European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Fax: (+31-70) 340-3016	Authorized officer  Post, Katharina	

## INTERNATIONAL SEARCH REPORT

International application No

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C(Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT		
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	<p>WO 2013/093070 A1 (AIRBUS OPERATIONS GMBH [DE]; GOD RALF [DE]; HINTZE HARTMUT [DE])  27 June 2013 (2013-06-27)  abstract  page 12, line 23 - page 15, last line  page 16, line 26 - line 27  page 17, line 29 - page 18, line 14  claim 1  figures 2b,3a,4</p>	1-10
A	<p>-----  EP 2 579 180 A1 (LSIS CO LTD [KR])  10 April 2013 (2013-04-10)  abstract  paragraph [0039] - paragraph [0041]  figures 2,3</p>	1-5
A	<p>-----  WO 2006/090562 A1 (TOYOTA JIDOSHA KK)  31 August 2006 (2006-08-31)  abstract  figure 1</p> <p>-----</p>	10

# INTERNATIONAL SEARCH REPORT

International application No.  
PCT/GB2014/052429

## 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.:

1-10

### 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.

**FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210**

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

1. claims: 1-10

access authorisation system with a central authenticator and an access device according to claim 1, where a user is requested by the authenticator to input personal identification data

1.1. claim: 10

access authorisation system with a central authenticator and an access device according to claim 1, where the authenticator requests identification data from the access device that comprise location information

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2. claims: 11-14

access authorisation system with a central authenticator and an access device according to claim 1 with primary and secondary resources

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3. claim: 15

data communication system with a server device, in which communication devices can only communicate if they received the same security code from the remote server

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# INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No

PCT/GB2014/052429

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
EP 1271418	A1	02-01-2003	EP 1271418 A1 02-01-2003
			US 2003016828 A1 23-01-2003
			US 2009074193 A1 19-03-2009
-----			
US 2013038448	A1	14-02-2013	SG 187994 A1 28-03-2013
			US 2013038448 A1 14-02-2013
-----			
WO 2013093070	A1	27-06-2013	DE 102011122461 A1 27-06-2013
			EP 2795585 A1 29-10-2014
			WO 2013093070 A1 27-06-2013
-----			
EP 2579180	A1	10-04-2013	EP 2579180 A1 10-04-2013
			KR 20130037815 A 17-04-2013
			US 2013088325 A1 11-04-2013
-----			
WO 2006090562	A1	31-08-2006	CN 101128345 A 20-02-2008
			CN 102390348 A 28-03-2012
			EP 1855922 A1 21-11-2007
			JP 4403985 B2 27-01-2010
			JP 2006231964 A 07-09-2006
			US 2008103640 A1 01-05-2008
			WO 2006090562 A1 31-08-2006
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