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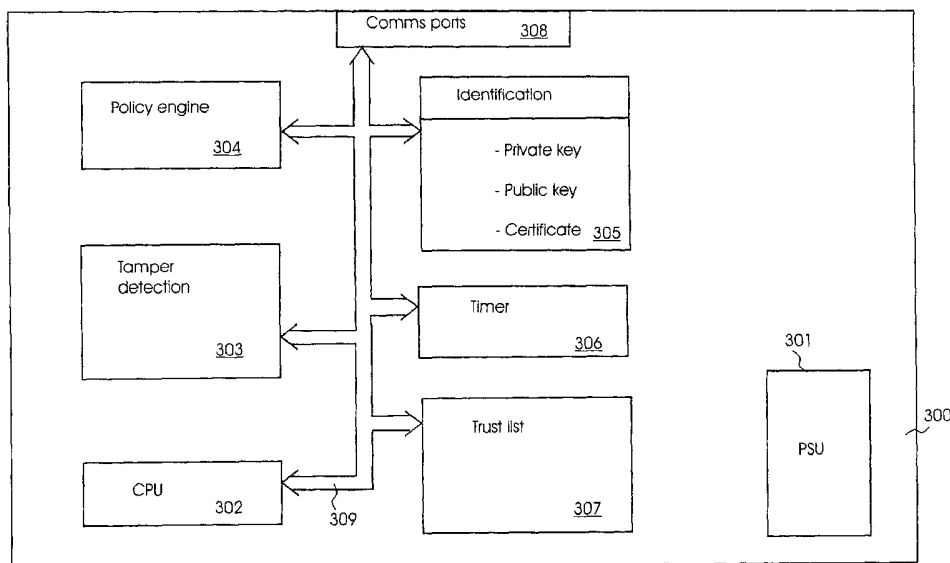
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- (75) Inventors/Applicants (for US only): SHIU, Simon [GB/GB]; 2 Barley Croft, Westbury-on-Trym, Bristol BS9 3TF (GB). BALDWIN, Adrian [GB/GB]; 65 Queensholm Drive, Downend, Bristol BS16 6LQ (GB). CASASSA
- For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.*

(54) Title: ENSURING POLICY ENFORCEMENT BEFORE ALLOWING USAGE OF PRIVATE KEY



(57) Abstract: A document management service comprises: receiving a document; receiving an access policy data describing an access policy applicable to said received document; encrypting said document; and signing said access policy data with a digital signature of a secure device.

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**INTERNATIONAL SEARCH REPORT**

International Application No  
PCT/GB 03/01152

**A. CLASSIFICATION OF SUBJECT MATTER**  
IPC 7 G06F1/00

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)  
IPC 7 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 practical, 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.
X	US 5 696 898 A (GROSSE ERIC ET AL) 9 December 1997 (1997-12-09) column 3, line 38 - column 4, line 46 -----	1
X	WO 00/79368 A (BRODIA GROUP) 28 December 2000 (2000-12-28) page 10, line 20 - page 13, line 4 -----	1
Y	WO 00/60504 A (CRITICAL PATH INC) 12 October 2000 (2000-10-12) page 26, line 7 - page 27, line 22 -----	1
Y	US 4 713 753 A (BOEBERT WILLIAM E ET AL) 15 December 1987 (1987-12-15) column 7, line 52 - column 8, line 16; figure 3 ----- -/--	1

Further documents are listed in the continuation of box C.       Patent family members are listed in annex.

° Special categories of cited documents :

*A* document defining the general state of the art which is not considered to be of particular relevance	*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
*E* earlier document but published on or after the international filing date	*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
*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)	*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.
*O* document referring to an oral disclosure, use, exhibition or other means	*Z* document member of the same patent family
*P* document published prior to the international filing date but later than the priority date claimed	

Date of the actual completion of the international search <b>20 January 2005</b>	Date of mailing of the international search report <b>02/02/2005</b>
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Name and mailing address of the ISA European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Fax: (+31-70) 340-3016	Authorized officer <b>Mezödi, S</b>
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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.
Y	US 6 226 618 B1 (LOTSPIECH JEFFREY B ET AL) 1 May 2001 (2001-05-01) column 17, line 11 - column 18, line 35 -----	2-7, 14-20
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Y	WO 02/01335 A (MICROSOFT CORP) 3 January 2002 (2002-01-03) abstract -----	2-7, 14-20
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X	EP 0 702 286 A (FUJITSU LTD) 20 March 1996 (1996-03-20) abstract; figure 1 -----	8-13
X	US 5 721 777 A (BLAZE MATTHEW A) 24 February 1998 (1998-02-24) abstract -----	8-13
Y	EP 1 076 279 A (HEWLETT PACKARD CO) 14 February 2001 (2001-02-14) abstract -----	8-13
Y	WO 01/78285 A (MEDIADNA INC) 18 October 2001 (2001-10-18) abstract -----	8-13

# INTERNATIONAL SEARCH REPORT

national application No.  
PCT/GB 03/01152

## Box I Observations where certain claims were found unsearchable (Continuation of item 1 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 II Observations where unity of invention is lacking (Continuation of item 2 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 fee, this Authority did not invite payment of any additional fee.
  
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.
- 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. claim: 1

method of controlling access to data stored in a database,  
comprising connecting a control apparatus that comprises a  
key escrow component to a web server  
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2. claims: 2-7, 14-20

combining and controlling a document with the associated  
access policy data, using encryption and a digital signature  
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3. claims: 8-13

device with tamper proof casing  
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