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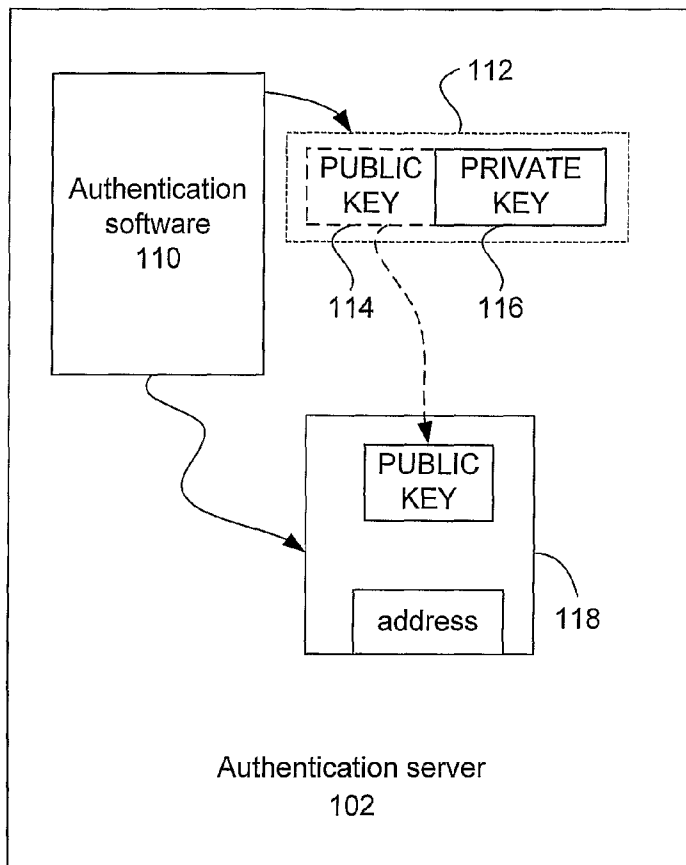
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[Continued on next page]

(54) Title: ADMINISTRATION OF DATA ENCRYPTION IN ENTERPRISE COMPUTER SYSTEMS



(57) Abstract: Encrypting data on an originating computer and prevent access to this data if the computer is stolen or otherwise unauthorized for use. Access to the encrypted data is granted based on the originating computer's ability to successfully send the data encryption keys, via an electronic connection, to a remote computer and have the remote computer decrypt the encryption keys and transmit them back to the he originating computer. When originating computer receives the decrypt encryption keys it can then successfully decrypt the encrypted hard drive using the encryption key provided by the remote computer. In particular a number of embodiments are described.

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FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, NL, PL, PT,  
RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA,  
GN, GQ, GW, ML, MR, NE, SN, TD, TG).

**(88) Date of publication of the international search report:**  
31 January 2008

**Published:**

— *with international search report*

*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.*

INTERNATIONAL SEARCH REPORT

International application No  
PCT/US2006/023052

A. CLASSIFICATION OF SUBJECT MATTER  
INV. G06F21/24

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 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 6 272 632 B1 (CARMAN DAVID W [US] ET AL) 7 August 2001 (2001-08-07) column 2, lines 10-45	1,11,21
X	US 6 098 056 A (RUSNAK DAVID J [US] ET AL) 1 August 2000 (2000-08-01) column 5, line 6 - column 6, line 54	1,11,21
X	US 6 141 423 A (FISCHER ADDISON M [US]) 31 October 2000 (2000-10-31) abstract	1,11,21
A	US 5 802 175 A (KARA SALIM G [CA]) 1 September 1998 (1998-09-01) abstract	1,11,21
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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 document 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

26 July 2007

Date of mailing of the international search report

19/10/2007

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## 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	WO 01/90855 A (DEUTSCHE TELEKOM AG [DE]; KUNITZ HARDY [DE]; METTKEN WERNER [DE]) 29 November 2001 (2001-11-29) abstract -----	1,11,21
A	US 2005/114686 A1 (BALL CHARLES D [US] ET AL) 26 May 2005 (2005-05-26) abstract -----	1,11,21
A	US 2002/016831 A1 (PELED ARIEL [IL] ET AL) 7 February 2002 (2002-02-07) abstract -----	2,12,22
A	WO 01/90859 A (NETSCAPE COMM CORP [US]; ROSKIND JIM [US]; WARD RORY [US]) 29 November 2001 (2001-11-29) abstract -----	2,12,22

# INTERNATIONAL SEARCH REPORT

International application No.  
PCT/US2006/023052

## Box 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 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 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.:

1, 2, 11, 12, 21, 22

### 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. claims: 1,2,11,12,21,22

administering data encryption with authorisation by localisation  
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2. claims: 3,4,13,14,23,24

administering data encryption with authorisation by exclusion list  
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3. claims: 5-10,15-20,25-30

administering data encryption with embedding public key in a communication program  
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## INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No

PCT/US2006/023052

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
US 6272632	B1	07-08-2001	NONE
US 6098056	A	01-08-2000	NONE
US 6141423	A	31-10-2000	AU 674560 B2 02-01-1997 AU 5782594 A 13-04-1995 CA 2120667 A1 05-04-1995 EP 0647895 A1 12-04-1995 JP 8171535 A 02-07-1996 US 5436972 A 25-07-1995
US 5802175	A	01-09-1998	NONE
WO 0190855	A	29-11-2001	AT 315248 T 15-02-2006 DE 10025626 A1 29-11-2001 EP 1290530 A1 12-03-2003 JP 2004522330 T 22-07-2004 US 2003188181 A1 02-10-2003
US 2005114686	A1	26-05-2005	NONE
US 2002016831	A1	07-02-2002	NONE
WO 0190859	A	29-11-2001	AU 5148500 A 03-12-2001 CN 1452735 A 29-10-2003 EP 1285317 A1 26-02-2003 EP 1657663 A2 17-05-2006 JP 2004510215 T 02-04-2004 US 7216361 B1 08-05-2007