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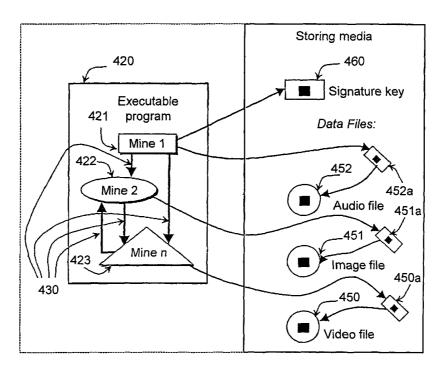
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(54) Title: METHOD AND SYSTEM FOR PROTECTING DATA



(57) Abstract: Method for authenticating and protecting data, comprising the providing of a plurality of challenging mines dispersed within an executable program file, each mine being dependent on one validation key located in at least one other mine, and optionally on additional keys, for allowing proper use of the executable program file and content files that can be activated by said executable

INTERNATIONAL SEARCH REPORT

Internati **Application No** PCT/IT 02/00143

A. CLASSIFICATION OF SUBJECT MATTER IPC 7 G11B20/00

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 G11B 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, WPI Data, PAJ, INSPEC

Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.	
X	EP 0 770 957 A (SUN MICROSYSTEMS INC) 2 May 1997 (1997-05-02) page 3, line 27 -page 4, line 6	1,12,17	
Α	page 4, line 47 -page 5, line 5 page 5, line 42 - line 51	. 2	
A	US 5 748 741 A (CHOW STANLEY TAIHAI ET AL) 5 May 1998 (1998-05-05) column 5, line 49 - line 54 column 6, line 4 - line 30 column 9, line 7 - line 41 column 11, line 43 -column 12, line 30	1,3,12	
A .	US 5 757 915 A (KNAUERHASE ROBERT C ET AL) 26 May 1998 (1998-05-26) column 1, line 66 -column 2, line 29 column 5, line 17 - line 58	1,5,17	

χ 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 E* earlier document but published on or after the international filling 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 filling 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
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PCT/1L 02/00143

		PCI/IL 02/00143						
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 00 39953 A (KENT RIDGE DIGITAL LABS;SUN QIBIN (SG); WU JIANKANG (SG); DENGHU) 6 July 2000 (2000-07-06)							
P,A	HEXALOCK: "HexaLock (TM) CD-ROM Copy Protection Multi-Lock SDK" WWW.HEXALOCK.COM, 'Online! - 2002 page 1 XP002229118 Retrieved from the Internet: <url:http: multilock.htm="" www.hexalock.com=""> 'retrieved on 2003-01-27! page 1</url:http:>							
			·					

INTERNATIONAL SEARCH REPORT

ation on patent family members

Internati Application No
PCT/1L 02/00143

Patent document		Publication		Dotant familie	Duktostos
cited in search report		date		Patent family member(s)	Publication date
EP 0770957	Α	02-05-1997	US	5757914 A	26-05-1998
			EP	0770957 A2	02-05-1997
			JP	9231068 A	05-09-1997
			TW	378304 B	01-01-2000
			US	5970145 A	19-10-1999
US 5748741	- _	05-05-1998	CA	2243469 A1	12-09-1997
			WO	9733216 A1	12-09-1997
			DE	69604307 D1	21-10-1999
			DE	69604307 T2	30-12-1999
			EP	0885416 A1	23-12-1998
			JP	11511582 T	05-10-1999
			US	6088452 A	11-07-2000
US 5757915	Α	26-05-1998	AU	6501196 A	19-03-1997
			BR	9610127 A	26-10-1999
			CN	1194072 A	23-09-1998
			ΕP	0860064 A2	26-08-1998
			IL	123198 A	14-06-2001
			JP	11511576 T	05-10-1999
			RU	2142674 C1	10-12-1999
			WO	9707657 A2	06-03-1997
			US	5940513 A	17-08-1999
WO 0039953	A	06-07-2000	WO	0039953 A1	06-07-2000
			GB	2364513 A	30-01-2002