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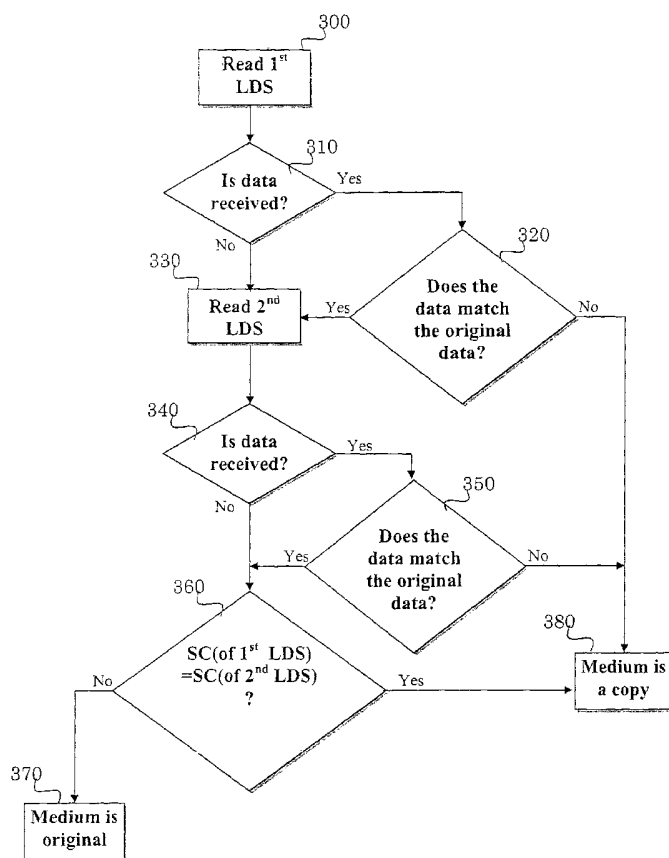
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[Continued on next page]

(54) Title: METHOD AND SYSTEM FOR PROTECTING DIGITAL MEDIA FROM ILLEGAL COPYING



(57) Abstract: A method for protecting digital media from illegal copying by placing in predetermined locations of the digital media a set of Logical Digital Signatures (LDS) (300, 330), that cause retrieval of a different Sense Code (SC) (360) and comprise a different signature. Utilizing an authentication module having access to the signatures and detects the presence of the logical errors. Activating the authentication module whenever the content of the storage media is accessed, performing read operation of the locations wherein the LDSs (300, 330), are located, storing the Sense Code (SC) (360) obtained from each read operation in a memory, and allowing access to the content of said storage media (370) if information was retrieved following the LDS (330, 330) read operation and it matches the information that was originally stored (360). If different SCs (360) were obtained from the reading operation of the different LDSs (300, 330), otherwise preventing the access to the content of the storage media (380).



— *before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments*

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INTERNATIONAL SEARCH REPORT

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A. CLASSIFICATION OF SUBJECT MATTER

IPC(7) : G06F 11/30, 12/14, 17/60; H04L 9/00, 9/32

US CL : 713/150, 168, 176, 189, 193, 194, 200-202; 705/50, 51, 57-59

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)

U.S. : 713/150, 168, 176, 189, 193, 194, 200-202; 705/50, 51, 57-59

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)
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C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 5,199,066 A (LOGAN) 30 March 1993, see entire document	1-21
A	US 6,131, 162 A (YOSHIURA et al) 10 October 2000, see col. 13, line 65 through col. 14, line 11; col. 14, lines 26-34	1-21
X, P	US 2002/0069389 A1 (SOLLISH et al) 06 June 2002, see paragraphs 18, 29, 97, 99 and 133	1, 4, 9, 17
A	MCFADDEN, "CD-Recordable FAQ" 25 June 2001, see sections 2-4; 3-18; 6-1-49; 6-1-62	1-21

☐ Further documents are listed in the continuation of Box C.

☐ See patent family annex.

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"A"	document defining the general state of the art which is not considered to be of particular relevance	"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
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"O"	document referring to an oral disclosure, use, exhibition or other means		
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INTERNATIONAL SEARCH REPORT

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Continuation of B. FIELDS SEARCHED Item 3:

BRS (files: USPAT, DERWENT, JPO, EPO, IBM TDB, US PGPUB)

search terms: sense code, error code, ecc, signature, hash, hashing, hashed, authenticate, authentic, authentication, authenticated, authenticating, verify, verifying, verification, verified, validate, validation, validated, validating, copyright, copyrighted, copyrighting, copy, copied, copies, copying, protected