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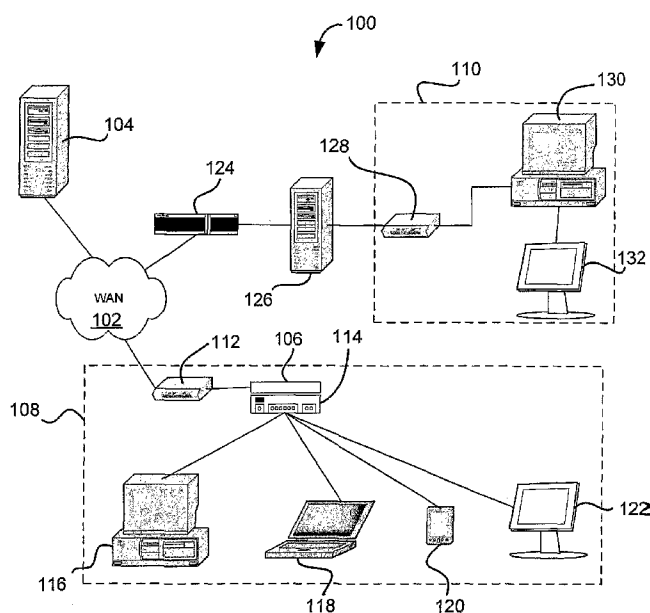
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[Continued on next page]

(54) Title: DIGITAL RIGHTS MANAGEMENT USING NETWORK TOPOLOGY TESTING



(57) Abstract: A method and system for preventing unauthorized use of copyrighted digital information over a broadband network includes testing network topology between a source and recipient device. Testing may include transmitting well-crafted information packets for transmission between source and recipient, and evaluating network response to gain information about the topology of the connecting network. Key components for using digital content, or the content itself, may be placed in a package that will not be transmitted by unauthorized network devices. Authorization or capability to use or receive the digital content is based at least in part on network topology between the source and recipient device.

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INTERNATIONAL SEARCH REPORT

International application No.

PCT/US05/40168

A. CLASSIFICATION OF SUBJECT MATTER

IPC: **G06F 15/00**(2006.01),**15/16**(2006.01),**15/173**(2006.01);**H04L 12/56**(2006.01)

USPC: 702/150;709/225,226;370/392

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. : 702/150; 709/225,226; 370/392

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)
Please See Continuation Sheet

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 2003/0046022 (SILVERMAN) 06 March 2003 (06.03.2003), entire document	1-24
Y	US 2004/0052257 (ABDO et al.) 18 March 2004 (18.03.2004), entire document	1-24
Y	US 6,684,250 B2 (ANDERSON et al.) 27 January 2004 (27.01.2004), entire document	1-24



Further documents are listed in the continuation of Box C.



See patent family annex.

* Special categories of cited documents:

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Continuation of B. FIELDS SEARCHED Item 3:

EAST

search terms: proximity, non-routable, topology, router, switch, hub, bridge, gateway, ping, crc, protocol