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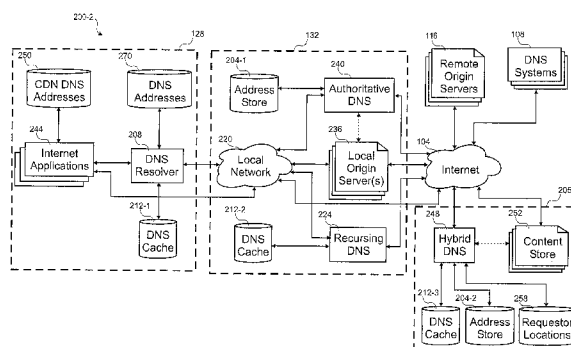
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(54) Title: REMOTE DOMAIN NAME SERVICE



(57) Abstract: A content delivery network (CDN) for providing content objects and domain resolution. The CDN includes a connection with a terminal device, a second domain name service (DNS) system, an IP address store for holding authoritative Internet protocol (IP) addresses, and a content store holding at least one of the first or second content object. A first request to resolve a first domain name is received by the second DNS system at a second location. A second request to resolve a second domain name is received by the second DNS system at the second location. The first domain name is associated with a first content object, and the second domain name is associated with a second content object. The first and second requests are relayed with the terminal device, which receives Internet access from an access network. The access network comprises a first DNS system that functions in a recursing DNS mode. The content object is realized in a first location that is different from the second location of the terminal device. The second DNS system operates in a recursing DNS mode to retrieve a first IP address corresponding to the first domain name. The first IP address for the first domain name is returned from the second DNS system to the terminal device to fulfill the first request. The second DNS system operates in an authoritative DNS mode to retrieve a second IP address from the IP address store. The second IP address for the second domain name is returned from the second DNS system to the terminal device to fulfill the second request.



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# INTERNATIONAL SEARCH REPORT

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## A. CLASSIFICATION OF SUBJECT MATTER

IPC: G06F 15/16( 2006.01)

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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. : 709/201,217,218,219,227,229,232

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)

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A, P	US 7,228,359 B1 (MONTEIRO) 5 June 2007 (05.06.2007).	1-51
A	US Pub. No. 2006/0218304 A1 (MUKHERJEE et al) 28 September 2006 (28.09.2006).	1-51
A	US Pub. No. 2006/0168088 A1 (LEIGHTON et al) 27 July 2006 (27.07.2006).	1-51
A	US Pub. No. 2001/0052016 A1 (SKENE et al) 31 December 2001 (13.12.2001).	1-51
A, P	US 7,240,100 B1 (WEIN et al) 3 July 2007 (03.07.2007).	1-51

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

☐ See patent family annex.

* Special categories of cited documents:		"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
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"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		

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