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(54) Title: REQUEST ROUTING BASED ON CLASS

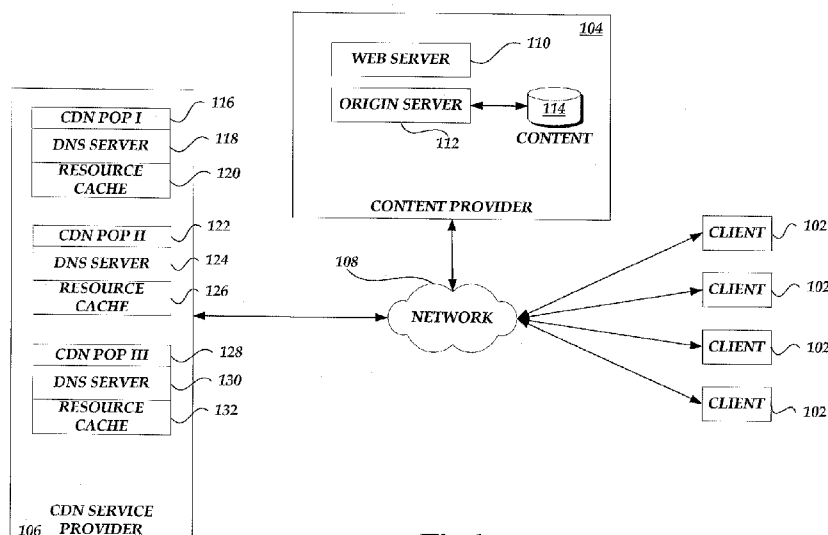


Fig. 1.

(57) **Abstract:** A system and method for management and processing of resource requests is provided. A content delivery network service provider receives a DNS query from a client computing device. The DNS query corresponds to a requested resource from the client computing device. The content delivery network service provider associates the client computing device with a cluster of other client computing devices. Based on routing information for the cluster, the content delivery network service provider routes the DNS query. The process can further include monitoring performance data associated with the delivery of the requested resource and updating the routing information for the cluster based on the performance data for use in processing subsequent requests from client computing devices in the cluster.



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- *before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments (Rule 48.2(h))*
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INTERNATIONAL SEARCH REPORT

International application No.

PCT/US 09/38904

A. CLASSIFICATION OF SUBJECT MATTER

IPC(8) - G06F 15/173 (2010.01)

USPC - 709/238

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(8): G06F 15/173 (2010.01)

USPC: 709/238

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched
USPC: 709/217-219, 235, 226-228, 207, 246, 232, 203, 222, 225, 229, 227, 238, 239; 712/27; 718/105; 370/235, 400 (keyword limited; terms below)

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

PubWEST (PGPB, USPT, EPAB, JPAB); Google Scholar, Google Patents

CND content delivery distribution network domain name DNS server query resource URL request manag process optimiz client laptop personal mobile wireless device class classif type geograph location rout path hop information metadata monitor measur tim deliver

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	US 2005/0010653 A1 (MCCANNE) 13 January 2005 (13.01.2005), entire document, especially Abstract; Fig. 2, 6, para [0029]-[0030], [0079], [0089], [0105], [0134], [0137]	1-15
Y	US 2007/0050522 A1 (GROVE et al.) 01 March 2007 (01.03.2007), entire document, especially Abstract; Fig. 5-7, para [0040], [0061], [0089]-[0091], [0104], [0106], [0150], [0152]	1-5, 8-9
Y	US 7,260,598 B1 (LISKOV et al.) 21 August 2007 (21.08.2007), entire document, especially Abstract; Fig. 1-2, 4; col 2, ln 48-51, 58-65; col 9, ln 58-59; col 14, ln 7-8, 10-11, 28-33; col 17, ln 5-10;	6-15
Y	US 7,240,100 B1 (WEIN et al.) 03 July 2007 (03.07.2007), entire document, especially Abstract; col 6, ln 49-52	14
A	US 2003/0101278 A1 (GARCIA-LUNA-ACEVES et al.) 29 May 2003 (29.05.2003), entire document	1-15
A	US 2006/0020715 A1 (JUNGCK) 26 January 2006 (26.01.2006), entire document	1-15

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