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(54) Title: CONTENT DELIVERY SYSTEM USING EMBEDDED REQUESTOR INFORMATION

(57) Abstract: A DNS resolution request for a hostname of a CDN is received. An edge server of the CDN may be identified, which may be associated with a subnet. The subnet is used to generate a response IP address, where the remaining bits of the response IP address may be used to store requestor information (e.g., a requestor IP address). When a client computing device uses the response IP address to access the edge server, requestor information is extracted and associated with client computing device information (e.g., an IP address and/or location, etc.) in an association record. Association records may be used to determine predicted characteristics for devices served by a requestor. When the authoritative DNS server resolves a request from the requestor, such predicted characteristics may be used rather than relying solely on information about a requestor. Thus, an edge server proximate to the predicted location may be returned instead.