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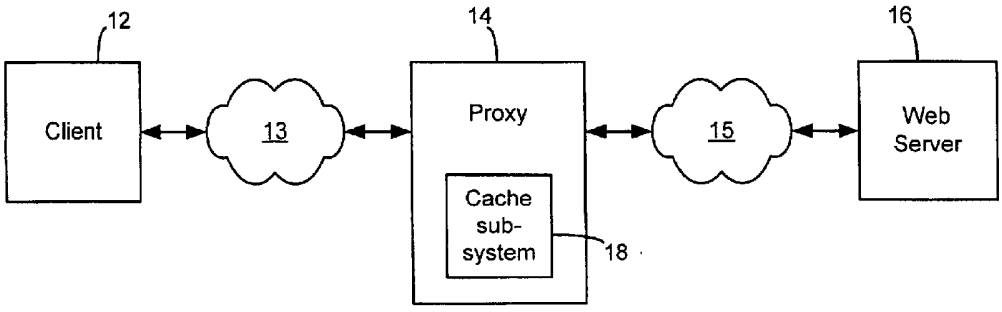
— *with international search report*

— *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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For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: A MULTI-TIERED CACHING MECHANISM FOR THE STORAGE AND RETRIEVAL OF CONTENT MULTIPLE VERSIONS



(57) Abstract: Systems and methods for improved performance in the storing and retrieving of objects. In one embodiment, the invention comprises a multi-tiered caching system implemented in a network transformation proxy. The proxy performs transformations on Web content received from a Web server and stores the transformed content in the caching system. The lowest tier of caches stores the content as cache objects, while higher tiers store references to lower tiers (such as the tier which stores the objects) as their cache objects. Cache entries are looked up using a plurality of keys. Each of the keys is used to look up an entry in a different tier of the cache.

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INTERNATIONAL SEARCH REPORT

International Application No
PCT/US 03/01172

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 G06F17/30

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 7 G06F

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 practical, search terms used)
EPO-Internal

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
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☒ Patent family members are listed in annex.

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Date of the actual completion of the international search	Date of mailing of the international search report
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INTERNATIONAL SEARCH REPORT

Information on patent family members

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