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(54) Title: METHOD AND SYSTEM FOR DETERMINING TOPICAL RELATEDNESS OF DOMAIN NAMES

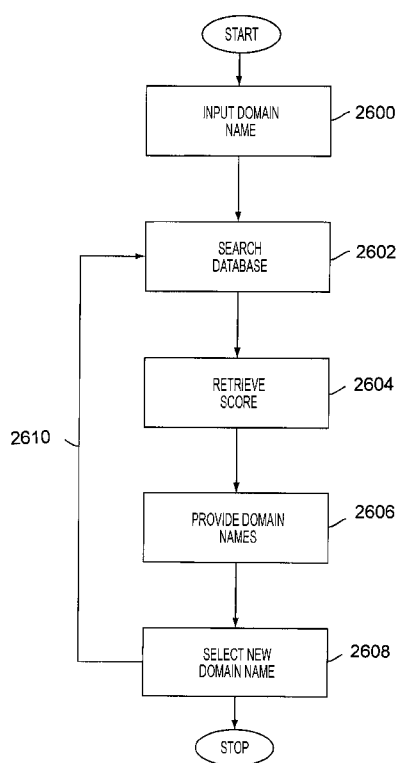


FIG. 26

(57) Abstract: Systems, computer software and methods for calculating relatedness scores which are indicative of relatedness of pairs of domain names requested by clients are described. The method includes receiving DNS traffic data, wherein the DNS traffic data includes at least domain names requested by clients and identities of the clients requesting the domain names, generating sequences of the domain names based on the received DNS traffic data, collecting co-occurrence counts for queried pairs of domain names, applying a probabilistic association estimate to the collected counts to determine the relatedness scores of the queried pairs of domain names, and storing the determined relatedness scores.



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## INTERNATIONAL SEARCH REPORT

International application No.  
**PCT/US2009/058043****A. CLASSIFICATION OF SUBJECT MATTER****G06F 17/00(2006.01)i, G06F 19/00(2006.01)i**

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)

G06F 17/00; G06F 15/173; G06F 17/30

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Korean utility models and applications for utility models

Japanese utility models and applications for utility models

(Chinese Patents and application for patent)

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

eKOMPASS(KIPO internal) &amp; Keywords: domain and (address or URL or DNS) and (user or client or customer)

**C. DOCUMENTS CONSIDERED TO BE RELEVANT**

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 2007-0250468 A1 (KEITH MERLE PIEPER) 25 October 2007 See abstract; paragraphs [0014]-[0029], paragraphs [0063]-[0089]; figs.1-5.	1-73
A	US 2008-0034073 A1 (HARRY MURPHEY MCCLOY et al.) 07 February 2008 See abstract; paragraphs [0022]-[0036], paragraphs [0040]-[0049]; figs.1-4.	1-73
A	US 2008-0168049 A1 (GAO JIANFENG et al.) 10 July 2008 See abstract; paragraphs [0005]-[0006], paragraphs [0021]-[0034]; claims 1-4	1-73

☐ Further documents are listed in the continuation of Box C.☒ See patent family annex.

\* Special categories of cited documents:

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"&amp;" document member of the same patent family

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### Information on patent family members

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None