

# Exhibit 7



US005761662A

# United States Patent [19]

[11] Patent Number: 5,761,662

Dasan

[45] Date of Patent: Jun. 2, 1998

## [54] PERSONALIZED INFORMATION RETRIEVAL USING USER-DEFINED PROFILE

[75] Inventor: Vasanthan S. Dasan, Colorado Springs, Colo.

[73] Assignee: Sun Microsystems, Inc., Mountain View, Calif.

[21] Appl. No.: 852,455

[22] Filed: May 8, 1997

### Related U.S. Application Data

[63] Continuation of Ser. No. 360,997, Dec. 20, 1994, abandoned.

[51] Int. Cl.<sup>6</sup> ..... G06F 17/30

[52] U.S. Cl. .... 707/10; 707/9; 707/100; 707/104; 707/3; 707/4; 707/513; 395/200.36

[58] Field of Search ..... 707/10, 9, 3, 4, 707/100, 104, 513; 395/200.36

### [56] References Cited

#### U.S. PATENT DOCUMENTS

5,124,909	6/1992	Blakely et al.	395/200
5,200,993	4/1993	Wheeler et al.	379/96
5,309,351	5/1994	McCain et al.	364/132
5,347,632	9/1994	Filepp et al.	395/200
5,404,523	4/1995	DellaFera et al.	395/650
5,463,625	10/1995	Yasrebi	370/85.13
5,550,657	8/1996	Bly et al.	395/425

#### OTHER PUBLICATIONS

- M Sanderson, "NRT (News Retrieval Tool) A User's Guide," IEEE Colloq. 1990, No. 101; pp. 5/1-5/14.
- MCI Telecommunications, Inc., *Network MCI Business*, Pamphlet, Marketing Information (Oct. 1994).
- Berners-Lee, T. and Daniel Connolly, *Hypertext Markup Language*, 1-36, Jun. 1993.
- Berners-Lee, T., *Hypertext Transfer Protocol*, 1-25, Jun. 1993.

Author Unknown, *A Beginner's Guide to HTML*, 1-14, Jun. 1993.

M. Pazzani et al.: Learning from Hotlists and Coldlists: Towards a WWW Information Filtering and Seeking Agent; pp. 492-495; Dept. of Information and Computer Science, UC Irvine, Nov. 1995.

J. Powell: Adventures with the World-Wide Web: Creating a Hypertext Library Information System; pp. 59-66, Feb. 1994.

T. Lau: Building a Hypermedia Information System on the Internet; pp. 192-197, Sep. 1994.

B.K. Duval et al.: Microcomputer Applications in the Library; pp. 269-279, 1994.

Primary Examiner—Thomas G. Black

Assistant Examiner—C. Lewis

Attorney, Agent, or Firm—Blakely Sokoloff Taylor & Zafman

### [57] ABSTRACT

An automatic method and system for retrieving information based on a user-defined profile (e.g. a personalized newspaper). A user-controlled client establishes communication with a stateless server, the server presenting a list of options to the client between the server and the client. The client provides an identification of the user-defined profile. The server engages a first application program, the first application program retrieving the user-defined profile wherein the user-defined profile identifies information which is of interest to the user. The first application program examines a database of information and automatically retrieves a subset of the information from the database based upon which information is of interest to the user as identified in the user-defined profile. The server presents the subset of the information from the database as generated by the first application program to the client. The first application program can store a file containing the user-defined profile in order to retain a state of the user-profile, and cause the stateless server to emulate a server which retains its state from session to session.

26 Claims, 12 Drawing Sheets

