



US006564213B1

(12) **United States Patent**  
**Ortega et al.**

(10) **Patent No.:** **US 6,564,213 B1**  
(45) **Date of Patent:** **May 13, 2003**

(54) **SEARCH QUERY AUTOCOMPLETION**

(75) Inventors: **Ruben E. Ortega**, Seattle, WA (US);  
**John W. Avery**, Seattle, WA (US);  
**Robert Frederick**, Seattle, WA (US)

(73) Assignee: **Amazon.com, Inc.**, Seattle, WA (US)

(\*) Notice: Subject to any disclaimer, the term of this patent is extended or adjusted under 35 U.S.C. 154(b) by 0 days.

(21) Appl. No.: **09/551,787**

(22) Filed: **Apr. 18, 2000**

(51) **Int. Cl.**<sup>7</sup> ..... **G06F 17/30**

(52) **U.S. Cl.** ..... **707/5; 707/3; 707/4**

(58) **Field of Search** ..... **707/1-10, 100, 707/102, 104**

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(List continued on next page.)

*Primary Examiner*—Hosain T. Alam

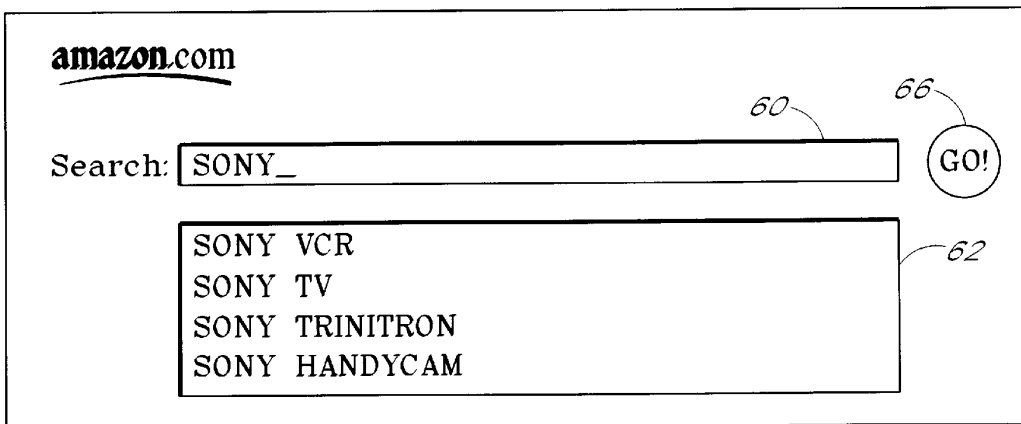
*Assistant Examiner*—Anh Ly

(74) *Attorney, Agent, or Firm*—Knobbe, Martens, Olson & Bear LLP

(57) **ABSTRACT**

A system for facilitating online searches suggests query autocompletion strings (terms and/or phrases) to users during the query entry process, wherein the suggested strings are based on specific attributes of the particular database access system being searched. A string extraction component associated with a database access system, such as a web site of an online merchant, periodically generates a dataset that contains the autocompletion strings for the system. The datasets are preferably biased to favor the database items that are currently the most popular (e.g., best selling or most frequently viewed), and may be customized to particular users or user groups. The datasets are transmitted to users' computing devices, which may include handheld and other wireless devices that lack a full keyboard. An autocompletion client which runs on the computing devices in association with a browser uses the datasets to suggest the autocompletion strings as users enter queries that are directed to the database access system.

**56 Claims, 6 Drawing Sheets**



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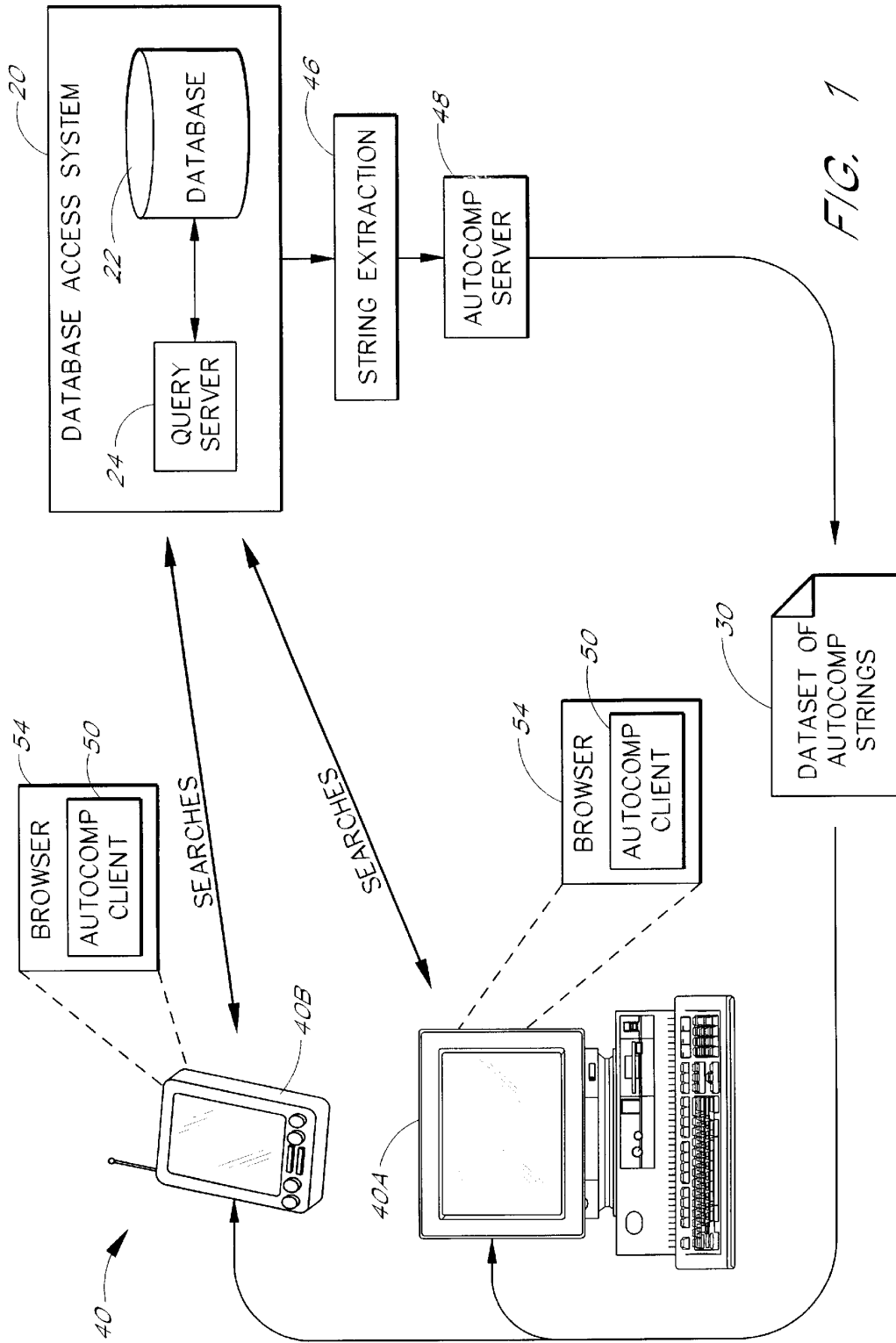
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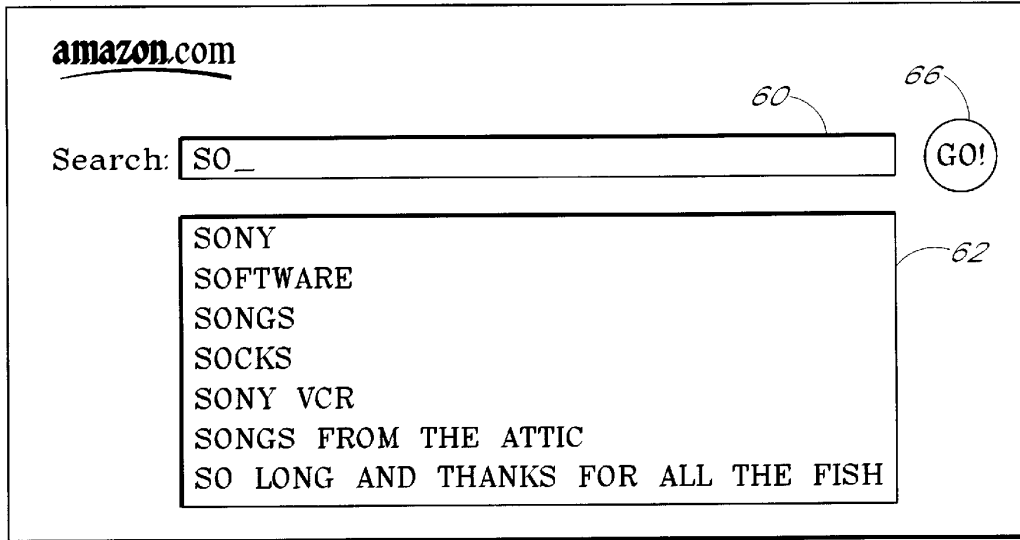


FIG. 2A

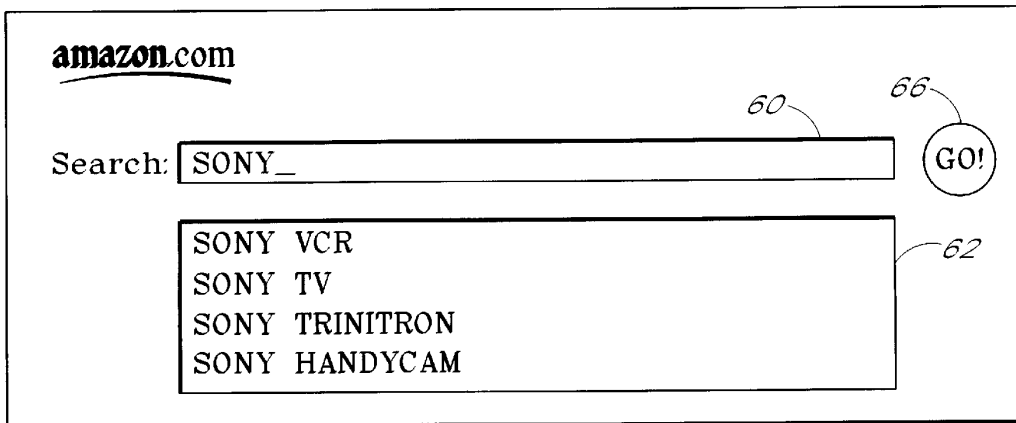


FIG. 2B

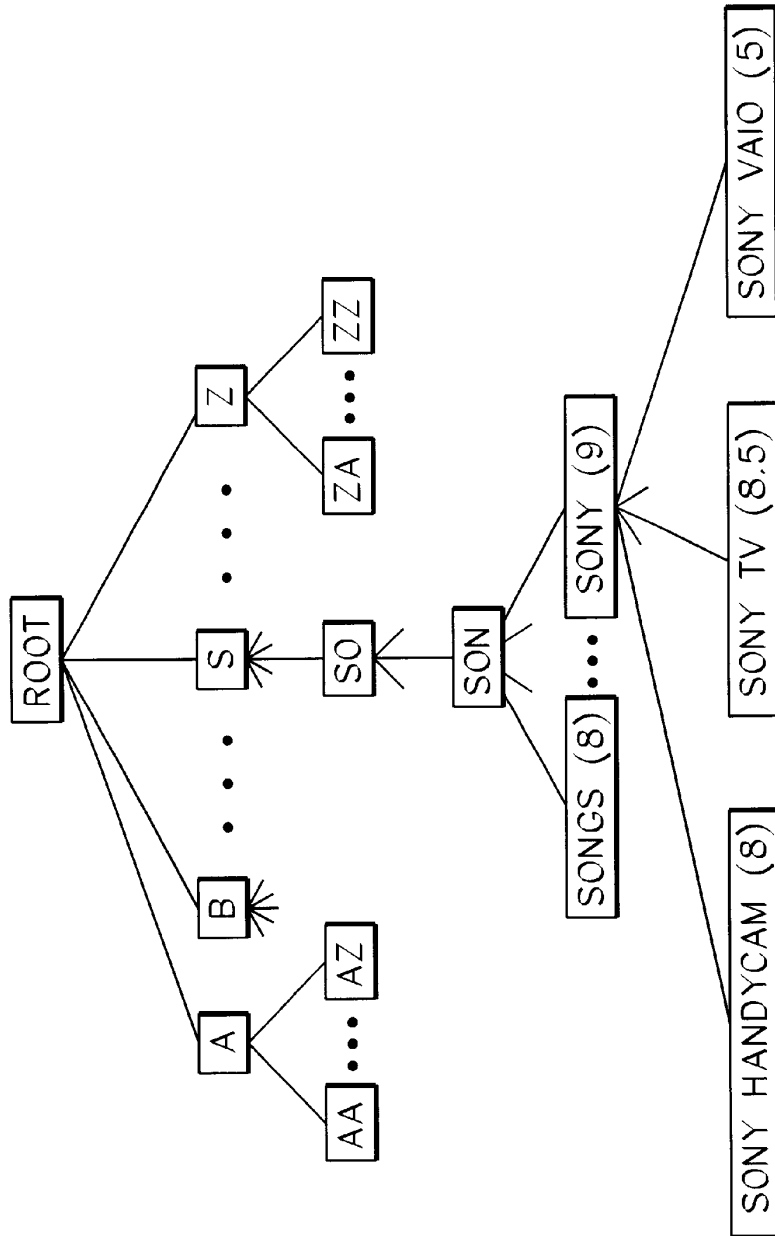


FIG. 3

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