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

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(54) **METHOD AND APPARATUS FOR PROVIDING CALCULATED AND SOLUTION-ORIENTED PERSONALIZED SUMMARY-REPORTS TO A USER THROUGH A SINGLE USER-INTERFACE**

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

This patent is subject to a terminal disclaimer.

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(57) **ABSTRACT**

An Internet-connected portal system has a data repository, a data-gathering system, a request processor, a plurality of report algorithms, and a report processor. The request processor receives a request from a user and matches the request to an individual one of the report algorithms. The data-gathering subsystem accesses plural Internet sites associated with the user and extracts raw data therefrom according to needs of the report algorithm. The report processor processes the raw data according to the report algorithm into metasummarized information defined by the report algorithm, and the portal system transmits the metasummarized information as a report to a destination associated with the report request. In some cases there is an aggregated-data database in the data repository storing aggregated data retrieved for specific users periodically, and the request processor checks the aggregated-data database for needed data before requiring the data-gathering system to retrieve data from the associated Internet sites. In the instance that the needed data is stored in the aggregated-data database, the report is prepared from the aggregated data. Reports can be in a mix of text and graphic formats.

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**Related U.S. Application Data**

(63) Continuation-in-part of application No. 09/323,598, filed on Jun. 1, 1999.

(51) **Int. Cl.<sup>7</sup>** ..... **G06F 15/00**

(52) **U.S. Cl.** ..... **715/501.1; 715/500; 707/5; 709/217**

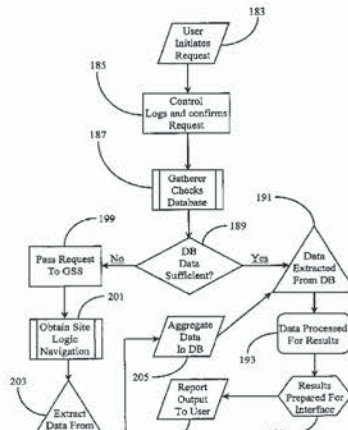
(58) **Field of Search** ..... **707/501, 3–5; 705/26; 709/217; 715/501.1, 500**

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**14 Claims, 10 Drawing Sheets**



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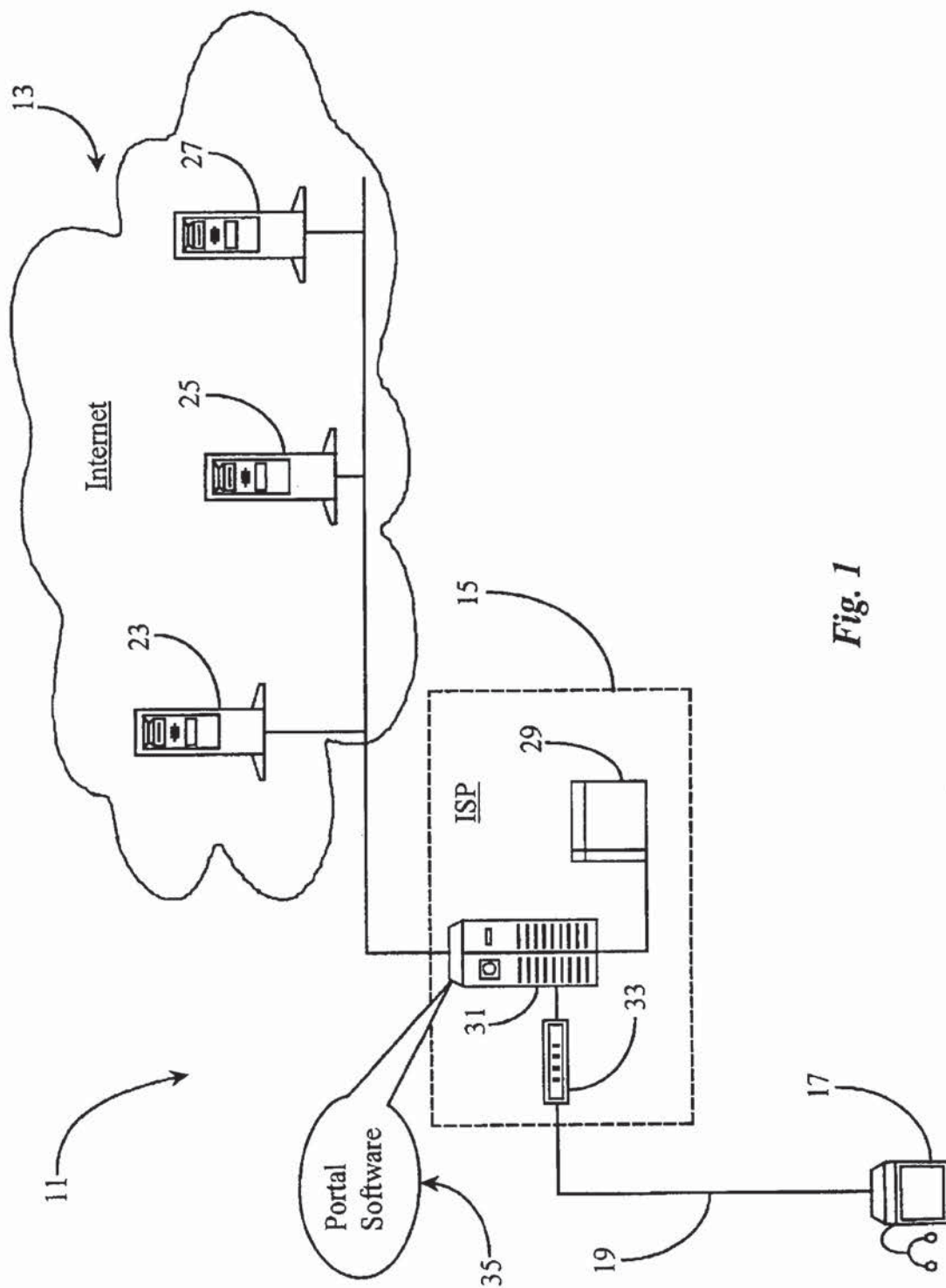


Fig. 1



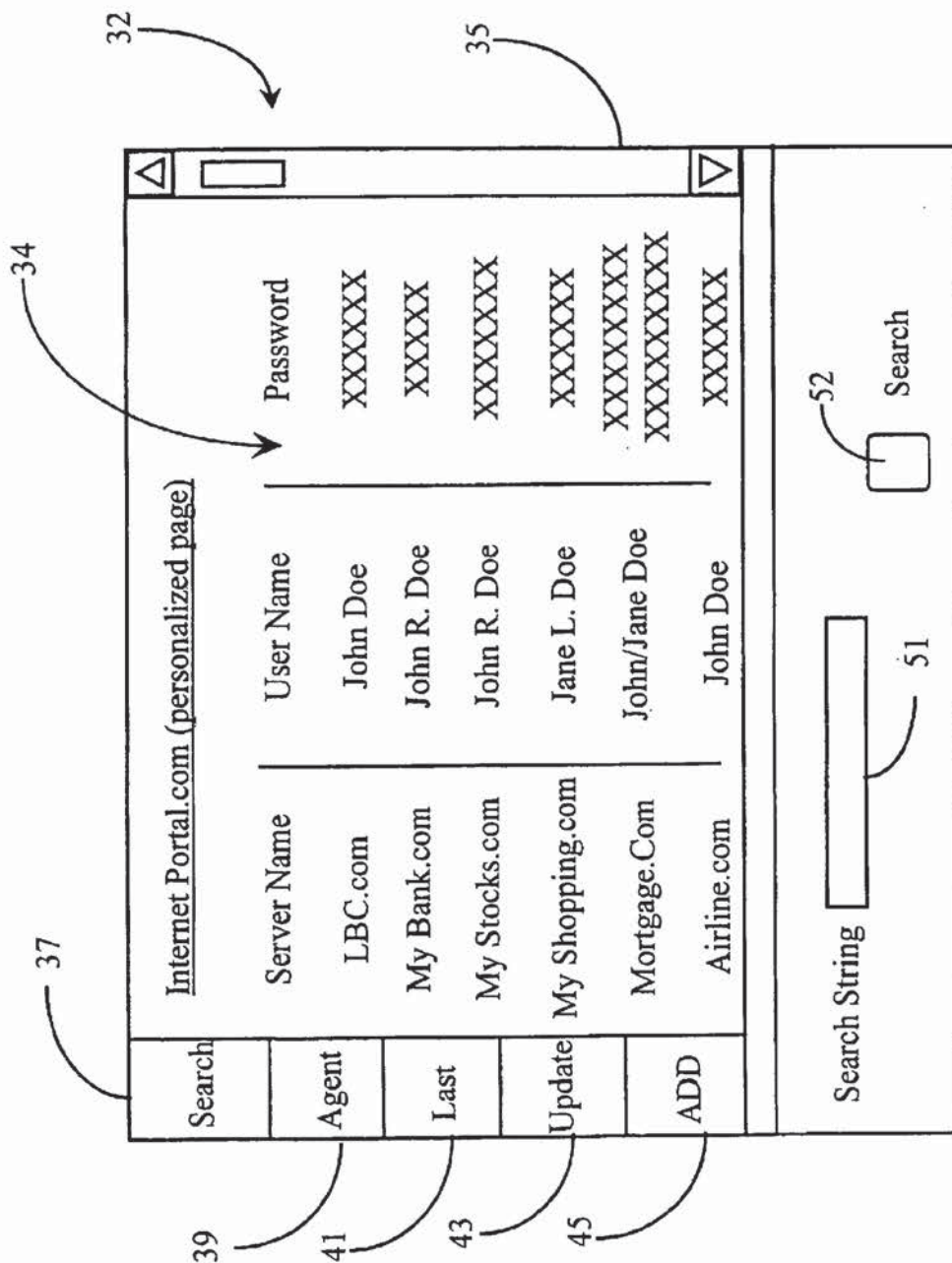


Fig. 2

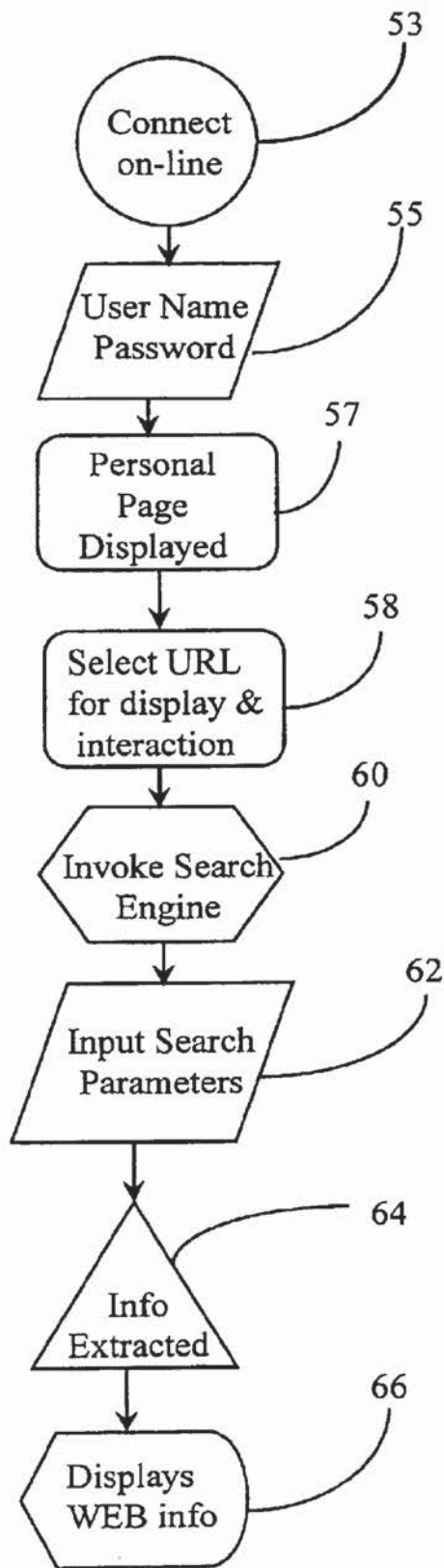


Fig. 3

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