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Mahran

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(54) **AUTOMATED PROFILER SYSTEM FOR PROVIDING MEDICAL INFORMATION TO PATIENTS**

(75) Inventor: **Howard E. Mahran**, Duvall, WA (US)

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

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(58) **Field of Search** 705/1, 2, 3; 707/3, 707/5, 101, 104.01; 709/203; 706/924; 128/923; 600/300

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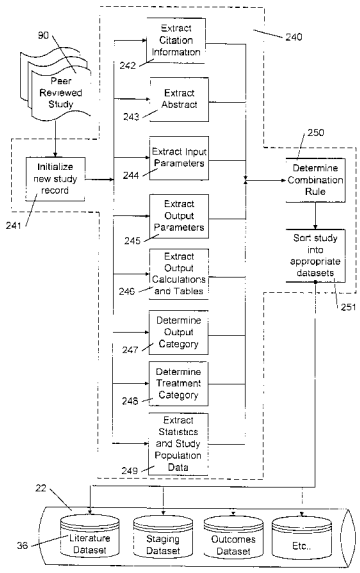
Primary Examiner—Eric W. Stamber
Assistant Examiner—Raquel Alvarez
(74) *Attorney, Agent, or Firm*—Fish & Neave; Norman H. Beamer

(57) **ABSTRACT**

Apparatus and methods are disclosed for generating individualized medical profiles based on information provided by a patient, and on data extracted from medical literature. In a first stage, medical literature is selected for inclusion in a database by using specified inclusion criteria. Information on input parameters to studies contained in the literature, output parameters of the studies, and algorithms contained in the studies is extracted from the literature, and stored in a database. In a second stage, patients provide information, which is matched against the input parameters of the studies in the database, and algorithms from the matched studies are applied to the information provided by the patient to produce values for the output parameters. Combination analysis is used to combine the values of output parameters into "super-category" values, that are used to generate an individualized medical profile.

43 Claims, 10 Drawing Sheets