



(54) **COMPUTERIZED MEDICAL DIAGNOSTIC AND TREATMENT ADVICE SYSTEM INCLUDING NETWORK ACCESS**

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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.

(21) Appl. No.: **09/376,185**

(22) Filed: **Aug. 17, 1999**

Related U.S. Application Data

(63) Continuation of application No. 08/893,912, filed on Jul. 11, 1997.

(60) Provisional application No. 60/021,614, filed on Jul. 12, 1996, and provisional application No. 60/021,615, filed on Jul. 12, 1996.

(51) **Int. Cl.**⁷ **A61B 5/00**

(52) **U.S. Cl.** **600/300; 600/301**

(58) **Field of Search** 600/300, 301, 600/481-486, 500-508, 525-545; 128/900, 903, 904, 920-925; 705/1-3

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(57) **ABSTRACT**

A system and method for providing computerized, knowledge-based medical diagnostic and treatment advice. The medical advice is provided to the general public over networks, such as a telephone network or a computer network. The invention also includes a stand-alone embodiment that may utilize occasional connectivity to a central computer by use of a network, such as the Internet. Two new authoring languages, interactive voice response and speech recognition are used to enable expert and general practitioner knowledge to be encoded for access by the public. "Meta" functions for time-density analysis of a number of factors regarding the number of medical complaints per unit of time are an integral part of the system. A re-enter feature monitors the user's changing condition over time. A symptom severity analysis helps to respond to the changing conditions. System sensitivity factors may be changed at a global level or other levels to adjust the system advice as necessary.

13 Claims, 49 Drawing Sheets

