US006368273B1

(12) **United States Patent**
Brown

(10) **Patent No.: US 6,368,273 B1**
(45) **Date of Patent: *Apr. 9, 2002**

(54) **NETWORKED SYSTEM FOR INTERACTIVE COMMUNICATION AND REMOTE MONITORING OF INDIVIDUALS**

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(73) Assignee: **Health Hero Network, Inc.**, Mountain View, CA (US)

(*) Notice: This patent issued on a continued prosecution application filed under 37 CFR 1.53(d), and is subject to the twenty year patent term provisions of 35 U.S.C. 154(a)(2).

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.: **09/300,856**

(22) Filed: **Apr. 28, 1999**

Related U.S. Application Data

(60) Division of application No. 08/946,341, filed on Oct. 7, 1997, now Pat. No. 5,997,476, which is a continuation-in-part of application No. 08/847,009, filed on Apr. 30, 1997, now Pat. No. 5,897,493.

(60) Provisional application No. 60/041,746, filed on May 28, 1997, and provisional application No. 60/041,751, filed on Mar. 28, 1997.

(51) **Int. Cl.**[7] **A61B 5/00**

(52) **U.S. Cl.** **600/300**; 705/3; 600/301; 128/904

(58) **Field of Search** 600/300–301, 600/529–538, 500–509, 481–486; 128/897–898, 904, 905, 920–925, 903

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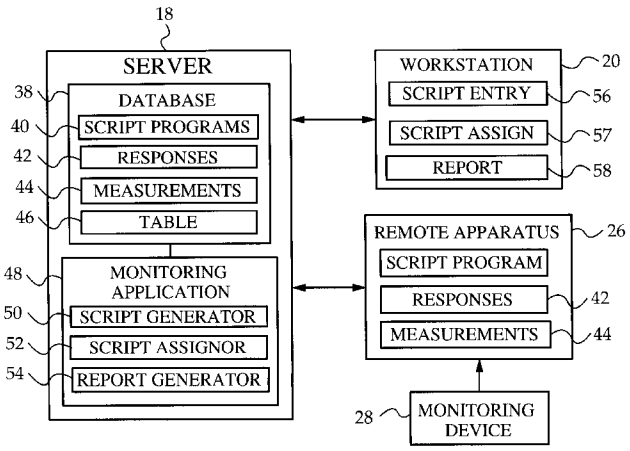
(57) **ABSTRACT**

The invention presents a networked system for communicating information to an individual and for remotely monitoring the individual. The system includes a server and a remote interface for entering in the server a set of queries to be answered by the individual. The server is preferably a web server and the remote interface is preferably a personal computer or remote terminal connected to the server via the Internet. The system also includes a remotely programmable apparatus connected to the server via a communication network, preferably the Internet. The apparatus interacts with the individual in accordance with a script program received from the server. The server includes a script generator for generating the script program from the set of queries entered through the remote interface. The script program is received and executed by the apparatus to communicate the queries to the individual, to receive responses to the queries, and to transmit the responses from the apparatus to the server.

10 Claims, 15 Drawing Sheets



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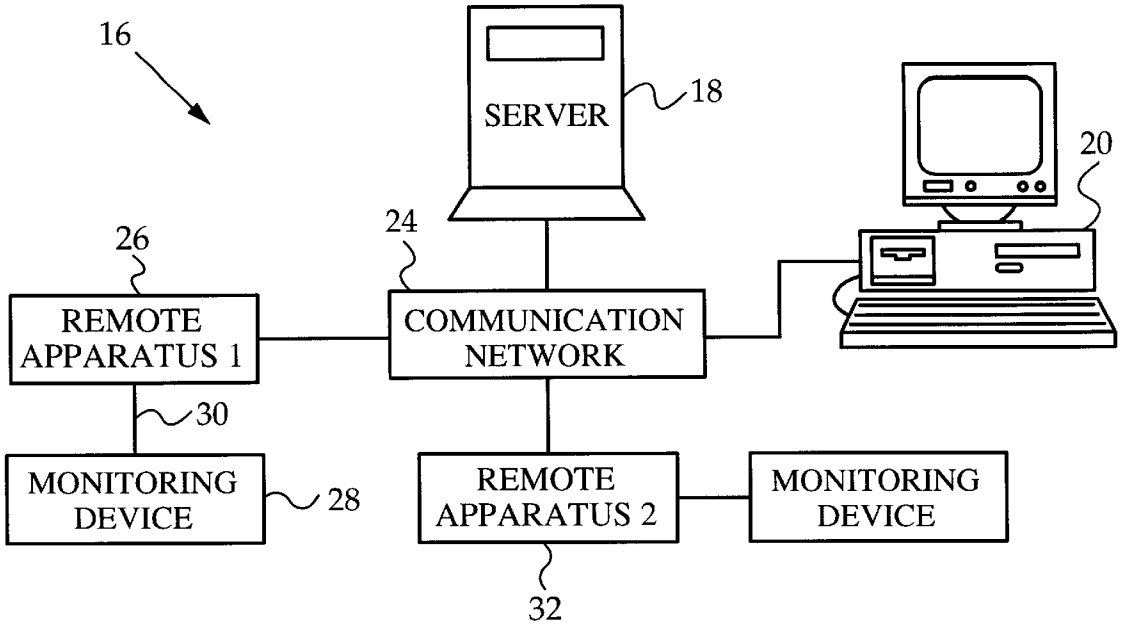

FIG. 1

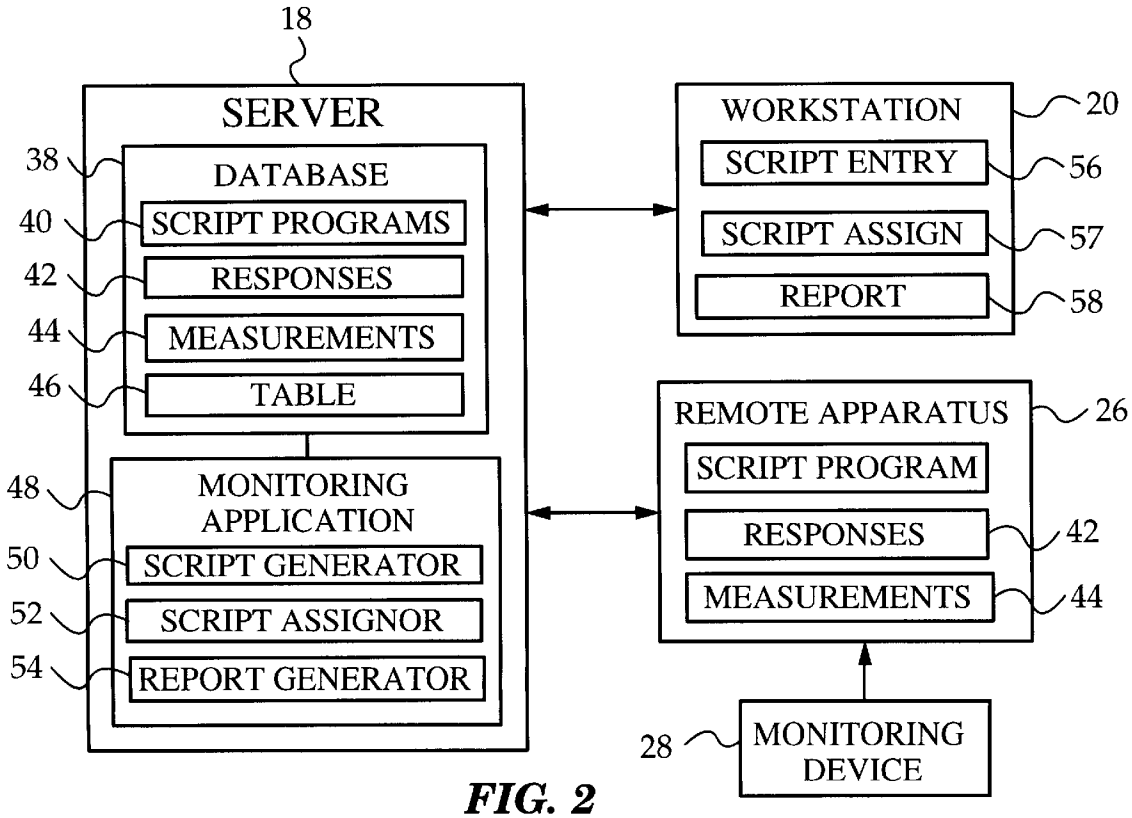

FIG. 2

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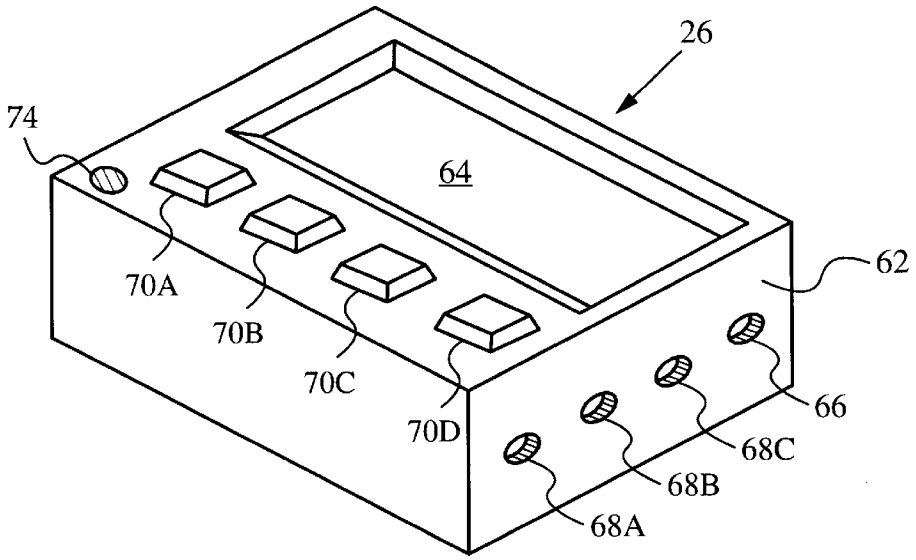

FIG. 3

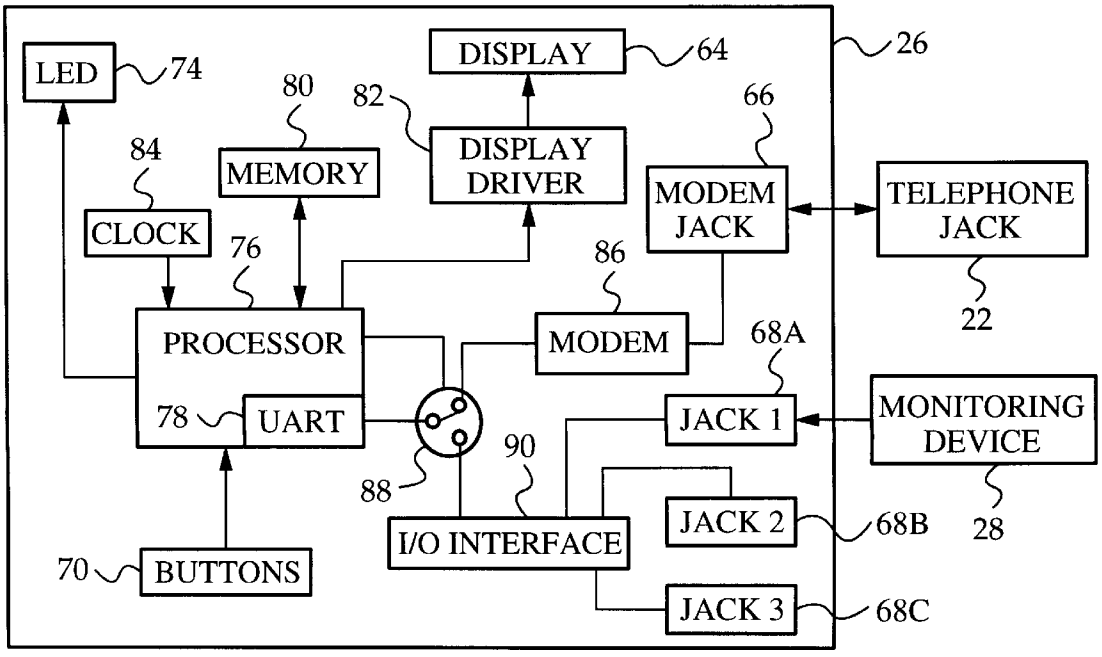

FIG. 4

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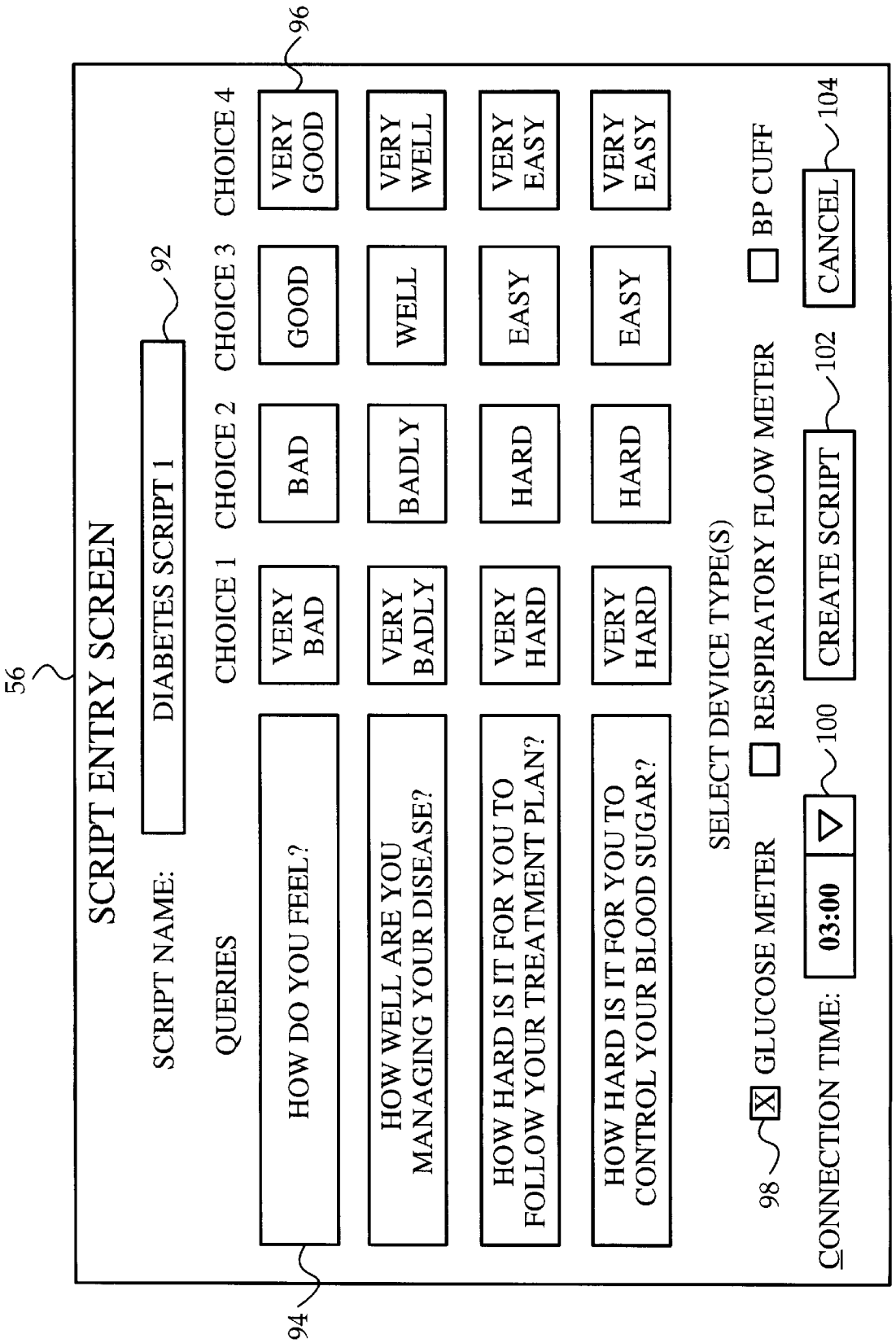

FIG. 5

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NUMBER: 9001 {LF}

LED: 1 {LF}

ZAP: {LF}

CLS: {LF}

DISPLAY: ANSWER QUERIES NOW?
PRESS ANY BUTTON TO START {LF}

WAIT: {LF}

CLS: {LF}

DISPLAY: HOW DO YOU FEEL?

VERY BAD BAD GOOD VERY GOOD {LF}

INPUT: OOOO {LF}

CLS: {LF}

DISPLAY: HOW WELL ARE YOU
MANAGING YOUR DISEASE?
VERY WELL BADLY WELL VERY WELL {LF}

INPUT: OOOO {LF}

CLS: {LF}

DISPLAY: HOW HARD IS IT FOR YOU TO
FOLLOW YOUR TREATMENT PLAN?
VERY HARD HARD EASY VERY EASY {LF}

INPUT: OOOO {LF}

CLS: {LF}

DISPLAY: HOW HARD IS IT FOR YOU TO
CONTROL YOUR BLOOD SUGAR?
VERY HARD HARD EASY VERY EASY {LF}

FIG. 6A

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