EXHIBIT 4

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US008277377B2

(12) **United States Patent**
Quy

(10) **Patent No.: US 8,277,377 B2**
(45) **Date of Patent: Oct. 2, 2012**

(54) **METHOD AND APPARATUS FOR MONITORING EXERCISE WITH WIRELESS INTERNET CONNECTIVITY**

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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 32 days.

(21) Appl. No.: **12/211,033**

(22) Filed: **Sep. 15, 2008**

(65) **Prior Publication Data**

US 2009/0069643 A1 Mar. 12, 2009

Related U.S. Application Data

(63) Continuation of application No. 11/649,703, filed on Jan. 3, 2007, now abandoned, which is a continuation of application No. 11/184,274, filed on Jul. 18, 2005, now Pat. No. 7,156,808, which is a continuation of application No. 10/418,845, filed on Apr. 18, 2003, now Pat. No. 6,936,007, which is a continuation of application No. 09/738,270, filed on Dec. 15, 2000, now Pat. No. 6,602,191.

(60) Provisional application No. 60/172,486, filed on Dec. 17, 1999.

(51) **Int. Cl.**
A61B 5/00 (2006.01)

(52) **U.S. Cl.** **600/300**; 600/301; 128/903; 128/920

(58) **Field of Classification Search** ..... None
See application file for complete search history.

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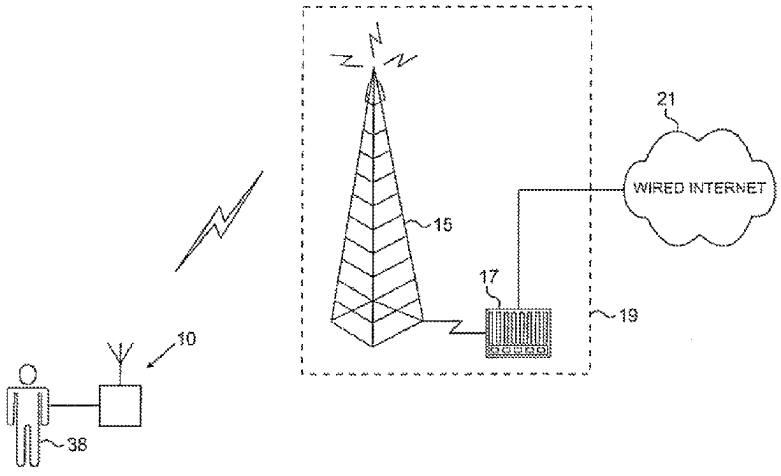
(57) **ABSTRACT**

A method and apparatus are provided for wireless monitoring of exercise, fitness, or nutrition by connecting a web-enabled wireless phone to a device which provides exercise-related information, including physiological data and data indicating an amount of exercise performed. The connection may be by way of a wireless connection using protocols such as Bluetooth® or 802.11, or by way of a wired connection. An optional adaptor may be included if necessary. An application for receiving the exercise-related information and providing a user interface may be downloaded to the web-enabled wireless phone from an internet server. The exercise-related information may be transmitted to an internet server, and the server may calculate and return a response.

19 Claims, 8 Drawing Sheets



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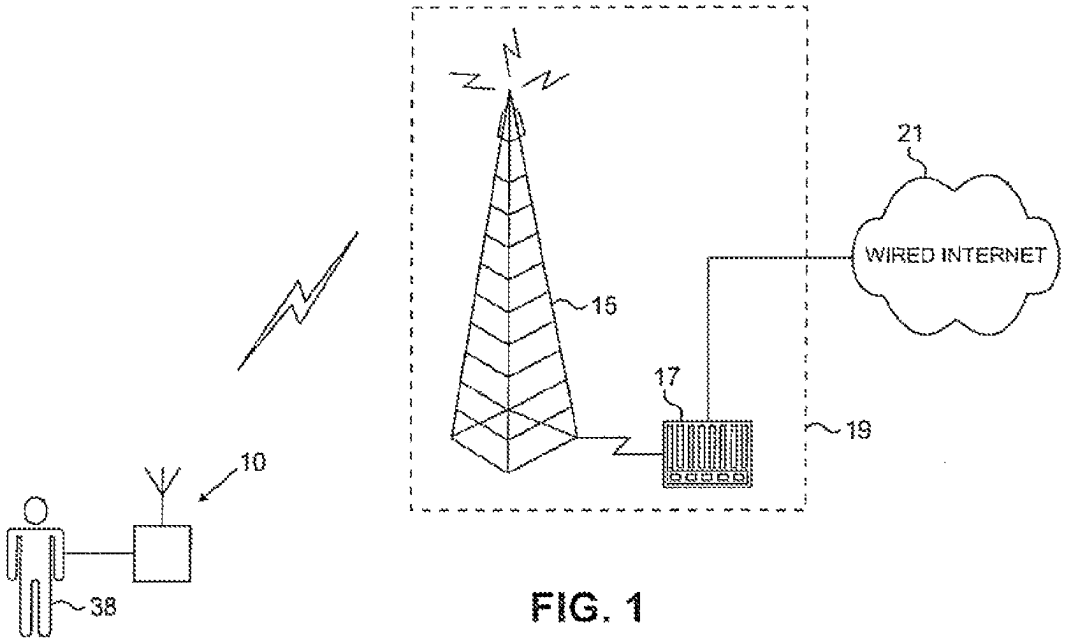

FIG. 1

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