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Brooks

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(54) **MEASUREMENT OF ELECTRIC AND/OR MAGNETIC PROPERTIES IN ORGANISMS USING INDUCED CURRENTS**

(75) Inventor: **Juliana H. J. Brooks**, Columbus, OH (US)

(73) Assignee: **Quid Technologies**, New York, NY (US)

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Related U.S. Application Data

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(52) **U.S. Cl.** **600/547; 600/407**

(58) **Field of Search** 600/407, 409, 600/547, 554; 607/51

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Primary Examiner—Carl Layno

(74) *Attorney, Agent, or Firm*—David A. Greenlee

(57) **ABSTRACT**

A method and apparatus use induced currents to determine an individual's bone integrity. The apparatus induces a current into an individual's bone then detects resultant electromagnetic signals using a galvanometer or other sensing mechanism. Circuits within the apparatus store and modify these signals to obtain a unique characteristic profile. To determine if the individual has bone defects, this profile is compared with stored profiles normally associated with bone fractures, breaks, and other defects.

4 Claims, 50 Drawing Sheets

