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(71) Applicant (for all designated States except US): **PROTEUS BIOMEDICAL, INC.** [US/US]; 2600 Bridge Parkway, Ste. 101, Redwood City, California 94065 (US).

(72) Inventors; and

(75) Inventors/Applicants (for US only): **WHITWORTH, Adam** [US/US]; 1900 Aberdeen Lane, Mountain View, California 94043 (US). **ZDEBLICK, Mark J.** [US/US]; 300 La Mesa Drive, Portola Valley, California 94028 (US).

(74) Agent: **FIELD, Bret E.**; Bozicevic, Field & Francis LLP, 1900 University Avenue, Ste #200, East Palo Alto, California 94303 (US).

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(54) Title: COMMUNICATION SYSTEM WITH MULTIPLE SOURCES OF POWER

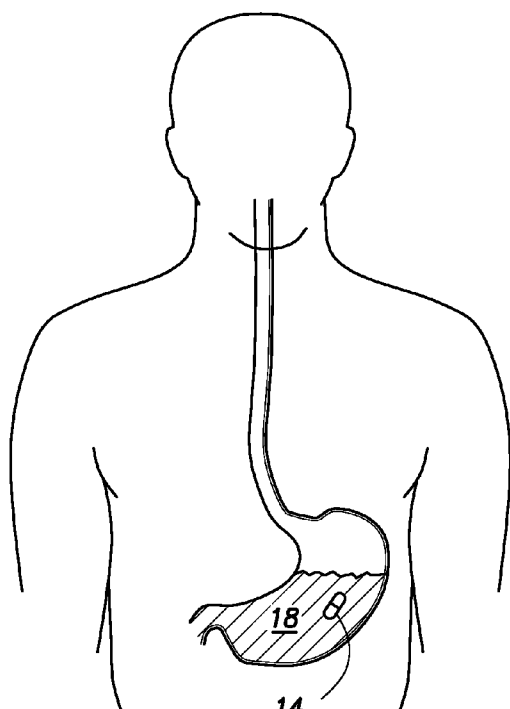


FIG. 1

(57) Abstract: The system of the present invention includes a conductive element, an electronic component, and a partial power source in the form of dissimilar materials. Upon contact with a conducting fluid, a voltage potential is created and the power source is completed, which activates the system. The electronic component controls the conductance between the dissimilar materials to produce a unique current signature. The system can also measure the conditions of the environment surrounding the system.

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