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

(72) Inventors; and

(75) Inventors/Applicants *(for US only)*: **HAFEZI, Hooman** [US/US]; 64 Eddystone Court, Redwood City, 94065 (US). **AU-YEUNG, Kit, Yee** [CN/US]; 250 King Street #1510, San Francisco, CA 94107 (US). **DUCK, Robert** [US/US]; 1800 Washington Street #118, San Francisco, CA 94109 (US). **HOLEN, Maria** [US/US]; 2261 River Bed Court, Santa Clara, CA 95054 (US). **ROBERTSON, Timothy** [US/US]; 2719 Sequoia Way, Belmont, CA 94002 (US). **COSTELLO, Benedict** [GB/US]; 1316 Josephine Street, Berkeley, CA 94703 (US).

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

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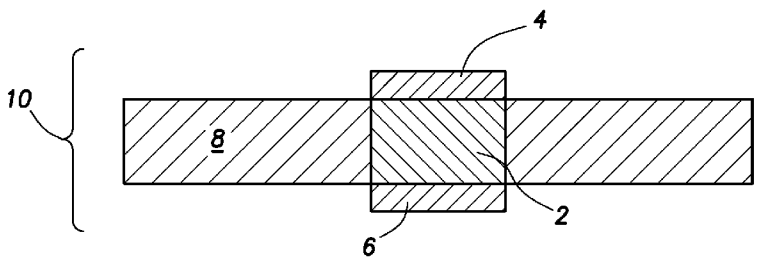


FIG. 1A

(57) Abstract: Ingestible event markers having high reliability are provided. Aspects of the ingestible event markers include a support, a control circuit, a first electrochemical material, a second electrochemical material and a membrane. In addition, the ingestible event markers may include one or more components that impart high reliability to the ingestible event marker. Further, the ingestible event markers may include an active agent. In some aspects, the active agent, such as a pharmaceutically active agent or a diagnostic agent may be associated with the membrane.

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