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(71) Applicant *(for all designated States except US)*: **ATERIS TECHNOLOGIES, LLC** [US/US]; 910 Technology, LLC, Suite G, Bozeman, MT (US).

(71) Applicants and
(72) Inventors: **NAGY, Jon** [US/US]; 347 Little Wolf Road, Bozeman, MT (US). **THOMPSON, Charles** [US/US]; 8581 St. Vrain Way, Missoula, MT (US).

(74) Agent: **CASTELLINO, Angelo**; 5017 Merrimac Court, San Diego, CA 92177 (US).

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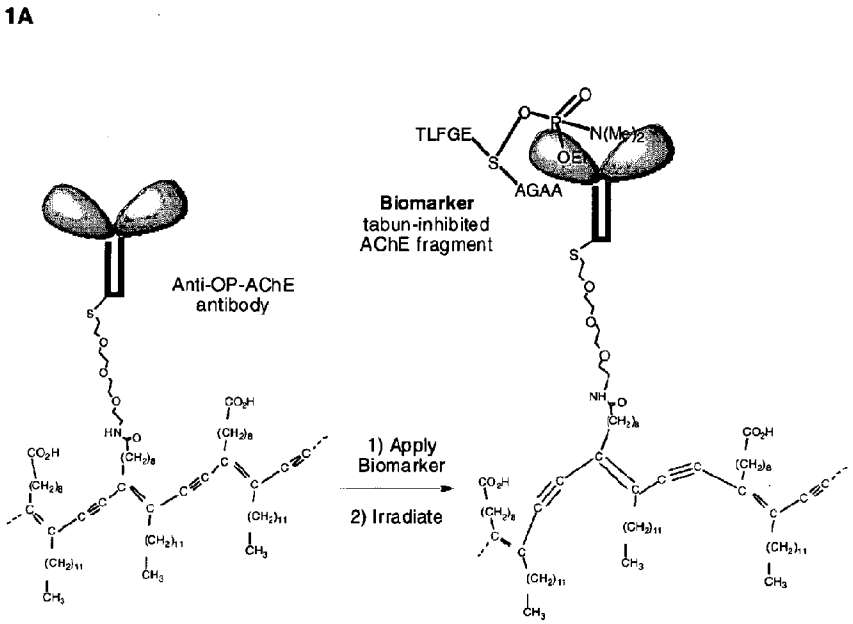
(54) **Title:** PESTICIDE BIOMARKER



(57) **Abstract:** Provided are methods, compositions and articles of manufacture for detecting biomarkers indicative of exposure of a mammal to prganophosphate compounds. The interaction of such a biomarker with a receptor bound to a biopolymer results in an optical readout that reports the presence of the biomarker.

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