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(54) Title: APPARATUS AND METHOD FOR DETECTING AND IDENTIFYING INFECTIOUS AGENTS

(57) Abstract

Solid phase methods for the identification of an analyte in a biological medium, such as a body fluid, using bioluminescence are provided. A chip designed for performing the method and detecting the bioluminescence is also provided. Methods employing biomineralization for depositing silicon on a matrix support are also provided. A synthetic synapse is also provided.