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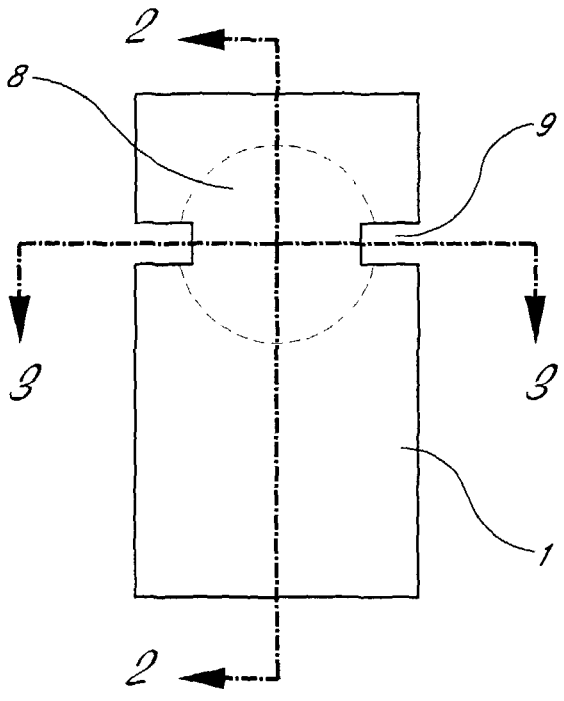
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(54) Title: ANTIOXIDANT SENSOR



(57) Abstract: The present invention relates to a device and method for measuring the level of an oxidant or antioxidant analyte in a fluid sample. The device comprises a disposable electrochemical cell, such as a thin layer electrochemical cell 1, containing a reagent capable of undergoing a redox reaction with the analyte. When the device 1 or method is to be used with slow-reacting analytes, heat may be applied to the sample by a resistive heating element in the device 1 or by an exothermic material contained within the electrochemical cell 8. Application of heat accelerates the rate of the redox reaction between the reagent and the analyte and thus facilitates the electrochemical measurement of slow-reacting analytes.

WO 02/06806 A2