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(54) Title: A METHOD AND AN ANALYTE SENSOR SYSTEM FOR DETECTING AT LEAST ONE ANALYTE

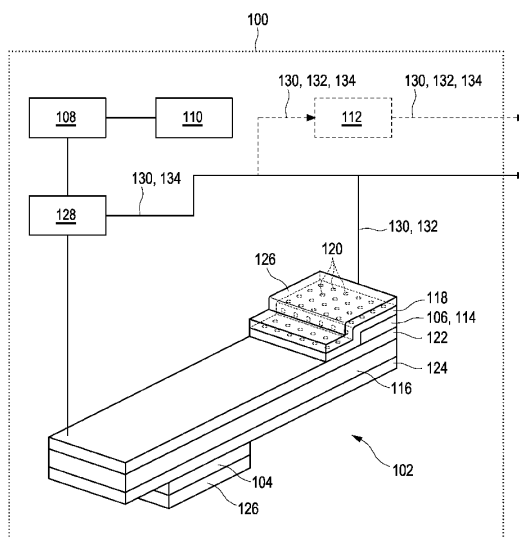


Fig. 1

(57) Abstract: The present invention relates to a method (200) of continuously in vivo detecting at least one analyte in a bodily fluid over a time span, an analyte sensor system (100) for in vivo continuously detecting at least one analyte in a bodily fluid over a measurement time span, a computer program and a computer-readable storage medium. The method (200) makes use of at least one analyte sensor (102) comprising at least one working electrode (104), configured for performing at least one electrochemical detection reaction with the analyte, and at least one further electrode (106), the further electrode (106) comprising at least one redox material composition, the redox material composition comprising silver and silver chloride, the method (200) comprising the following steps: monitoring at least one standard sensor signal (132) derived by using the analyte sensor (102) in a standard operation mode, comparing the standard sensor signal (132) with at least one threshold, thereby determining if a change of an operation mode of the analyte sensor (102) from the standard operation mode into an economy operation mode is required.

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