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(54) Title: METHOD FOR DETECTING A FAILURE OF AT LEAST ONE COMPONENT OF A CONTINUOUS ANALYTE MONITORING SYSTEM

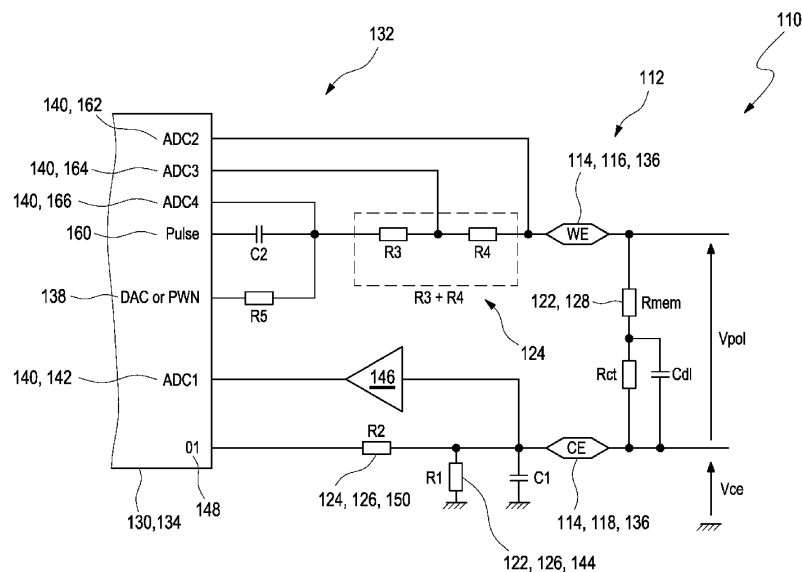


Fig. 1

(57) Abstract: A method for detecting a failure of at least one component (122) of a continuous analyte monitoring system (110) is proposed. The continuous analyte monitoring system (110) comprises the component (122) and at least one failure detection resistor (124). The continuous analyte monitoring system (110) comprises at least one analyte sensor (112) comprising at least two measurement electrodes (114). The method comprises the following steps: i) applying a constant voltage between the at least two measurement electrodes (112) of the analyte sensor (114) and measuring a first response signal, ii) applying a failure detection signal distinguishable from the constant voltage and/or from the first response signal in frequency and/or in height to the continuous analyte monitoring system and measuring a second response signal to the failure detection signal using the failure detection resistor (124); iii) determining an information depending on at least one actual property of the component by evaluating the first response signal and the second response

[Continued on next page]

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