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(54) Title: METHOD AND SYSTEM FOR DETERMINING AT LEAST ONE MEMBRANE PROPERTY OF AN ANALYTE SENSOR

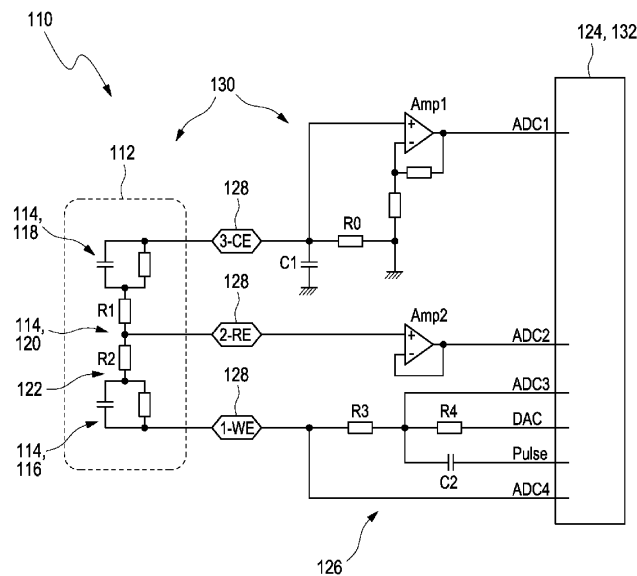


Fig. 1

(57) Abstract: A method for determining at least one membrane property of an analyte sensor (112) is disclosed. The analyte sensor (112) comprises at least two measurement electrodes (114). At least one of the measurement electrodes (114) comprises at least one membrane element (122) having the at least one membrane property. The method comprising the following steps: a) generating at least one fast-transient voltage signal and applying the fast-transient voltage signal to the measurement electrodes (114); b) measuring at least one response signal; c) determining the at least one membrane property by evaluating the response signal.

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