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(54) Title: BODY WEARABLE ANALYTE SENSOR SYSTEM WITH INFRARED TEMPERATURE SENSOR DEVICE

(57) Abstract: The present invention provides analyte sensor system which comprises a body wearable analyte sensor device, comprising a transcutaneous analyte sensor, a housing comprising a lower side which can be attached to the skin of a patient, a IR temperature sensor which is configured to detect the temperature of the lower side of the housing or to detect the temperature of the skin, and wherein the IR temperature sensor faces without contact the lower side of the housing, and a processor configured to receive signals from the analyte sensor and from the IR temperature sensor. In addition, a method of determining an analyte concentration using an analyte sensor system (1) of the invention is provided.



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