

Title (en)

DEVICE FOR THE POLARIMETRIC IN VIVO DETERMINATION OF BLOOD SUGAR CONCENTRATION

Title (de)

VORRICHTUNG ZUR POLARIMETRISCHEN IN VIVO-BESTIMMUNG DER BLUTZUCKERKONZENTRATION

Title (fr)

DISPOSITIF DE DÉTERMINATION POLARIMÉTRIQUE DE LA GLYCÉMIE IN VIVO

Publication

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Application

EP 13712708 A 20130311

Priority

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Abstract (en)

[origin: WO2013170974A1] The invention relates to a device for the polarimetric in vivo determination of blood sugar concentration by means of a sensor assembly, comprising at least one radiation-emitting semiconductor diode and at least one group of radiation-sensitive semiconductor diodes in order to analyze polarization changes caused by the glucose content in blood, and having a display unit. According to the invention, the sensor assembly has a signal processing unit and an assembly for wireless communication with the display unit, wherein the communication is triggered or established only after verification and confirmation of an individual identification character sequence. The display unit has an air interface suitable for wireless communication with the sensor assembly and has a trend display in addition to a blood sugar warning function. There is furthermore a configuration apparatus which comprises an air interface for wireless communication with the sensor assembly and with the display unit, wherein a calibration based on comparison measurements of the blood sugar can be made by means of the configuration apparatus.

IPC 8 full level

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