ABSTRACT

A FLEXIBLE CONTINUOUS PULSE OXYGEN SATURATION MONITOR

A flexible continuous pulse oximeter (6) comprises the following components connected by means of a flexible circuit: a light-emitting diode (LED) array (1, 101, 102, 103) configured to emit testing light; at least one optoelectronic receiving diode (2) configured to receive the testing light and convert the same into an electrical signal; a signal processing unit (3) configured to process the electrical signal and extract a continuous pulse oximetric signal; and power supplies (4, 5) configured to supply power to the entire oximeter.

(FIG. 1)