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(54) **Title**: OPTICAL SENSOR FOR MEASURING PHYSIOLOGICAL PROPERTIES

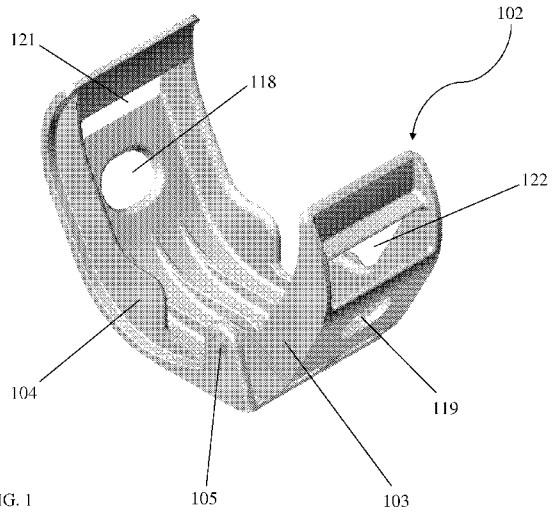


FIG. 1

(57) **Abstract**: The invention provides a physiological probe that comfortably attaches to the base of the patient's thumb, thereby freeing up their fingers for conventional activities in a hospital, such as reading and eating. The probe, which comprises a separate cradle module and sensor module, secures to the thumb and measures time-dependent signals corresponding to LEDs operating near 660 and 905 nm. The cradle module, which contains elements subject to wear, is preferably provided as a disposable unit.

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