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(54) Title: SYSTEM FOR NON-INVASIVE ASSAY OF LIVER FUNTION

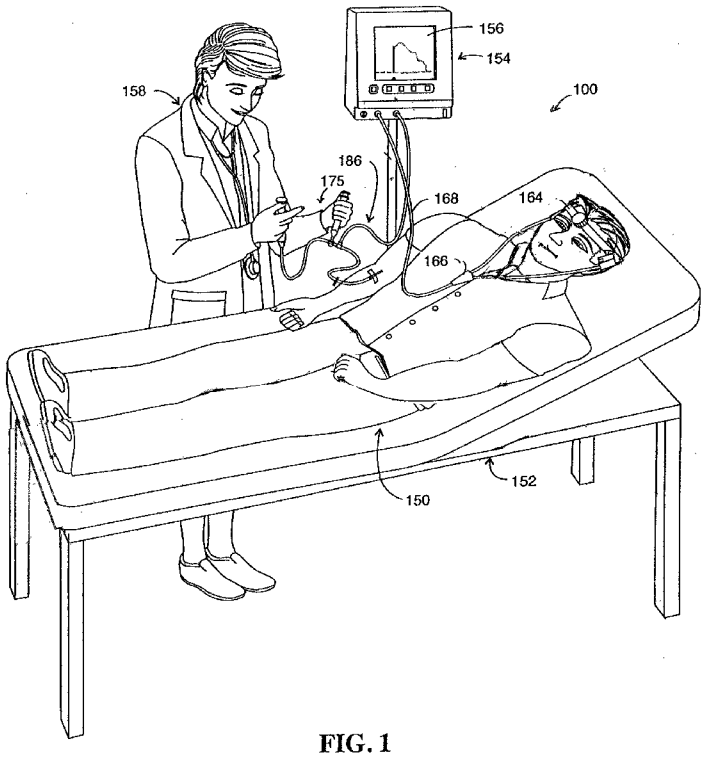


FIG. 1

(57) Abstract: A system, method and apparatus are disclosed for using a transcutaneous detection system to measure the quantity of a circulating organ activity detection analyte in the blood, and thereby assay the activity of an organ. A preferred organ for assay is the human liver and a preferred indicator is indocyanine green (ICG) dye The procedure is under the control of a monitor/controller having a visual display and capable of providing cues to the operator. A sensor array apparatus for use in conjunction with the system monitor/controller is configured for increased sensitivity of assaying organ function.

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