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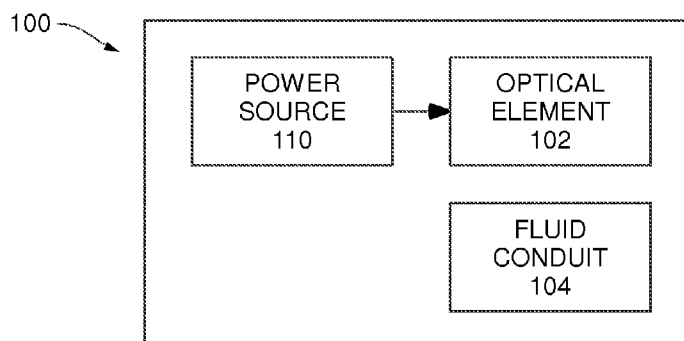
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(54) Title: MEDICAL TUBING DETECTION AND MANAGEMENT

Fig. 1A



(57) Abstract: An illuminated medical tubing set that provides visual indications of characteristics relating to the type and operating status of the tubing. An illuminated tubing set system includes an optical element, a fluid conduit, and a power source. A system for medical tubing detection and management includes an infusion manifold housing having at least one fluid channel therethrough. At least one fluid input port can be provided in the infusion manifold housing, and the at least one fluid input port can be configured to (i) connect fluidically to illuminated medical tubing and (ii) be in fluidic communication with the at least one fluid channel through the infusion manifold housing. A fluid output port can be provided in the infusion manifold housing, and the fluid output port could be configured to be in fluidic communication with the at least one fluid channel through the infusion manifold housing. At least one photosensor can be provided in the infusion manifold housing, and the at least one photosensor can be configured to receive light from the illuminated medical tubing that is connected to the at least one fluid input port; and the fluid output port can be configured to connect fluidically to fluid output tubing.



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