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(54) Title: INFUSION DEVICE WITH DISPOSABLE ELEMENTS

(57) Abstract

This invention is an infusion device (10) with a disposable administration set (12) having a plurality of elongated cam followers (42), which are displaced in a predetermined sequence and forced against a delivery tube (36) when depressed by a pumping mechanism (64). The infusion device (10) includes an optical sensor made up of a light emitter (127) and a light detector (129). The optical sensor is responsive to dimensional changes in the delivery tube (36) for sensing upstream occlusions, downstream occlusions and the presence of an air bubble within the delivery tube (36).

