

ABSTRACT

IV FLOW MANAGEMENT SYSTEMS AND METHODS

An intravenous delivery system may operate by gravity feed, and may have a liquid source containing a liquid, a drip unit that receives the liquid from the liquid source, and tubing that receives the liquid from the drip unit for delivery to a patient. A flow rate sensor may be used to measure a flow rate of liquid through the intravenous delivery system, and may generate a flow rate signal indicative of the flow rate. A controller may receive the signal, and may compare the flow rate with a desired flow rate. If the flow rate is more or less than the desired flow rate, the controller may transmit a control signal to a flow rate regulator. The flow rate regulator may receive the control signal and, in response, modify the flow rate to bring the flow rate closer to the desired flow rate.

Figure 1