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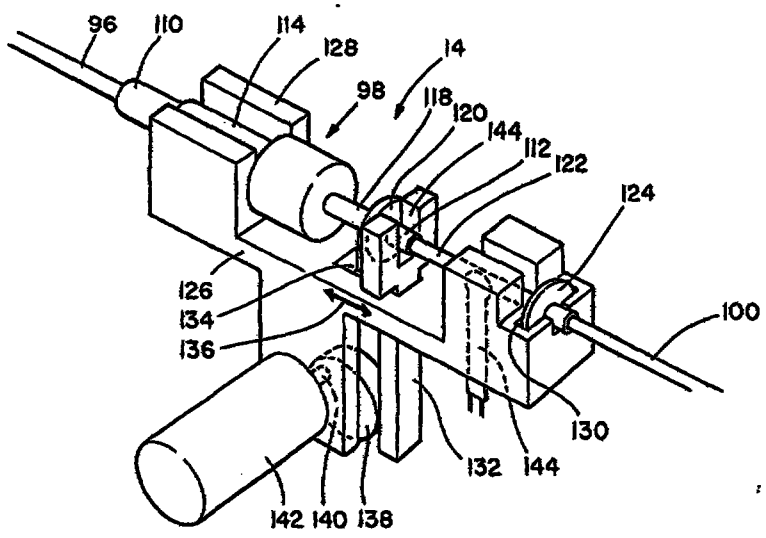
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(54) Title: METERED DOSE INFUSION PUMP AND METHOD




(57) Abstract

An intravascular administration set (14) includes an axially actuated reciprocating pump head (98) having a pump head inlet (110) and a pump head outlet (112). An inlet tube (96) has a first end attached to the pump head inlet (110) and a second end adapted for coupling with a liquid reservoir. An outlet tube (100) has a first end coupled to the pump head outlet (112) and a second end adapted for coupling in liquid communication with a blood vessel of a patient. The pump head inlet (110) and the pump head outlet (118) of the axially reciprocating pump head (98) are disposed axially of the pump head (98). An intravascular infusion pump (80) incorporates the administration set (14) and includes a linear reciprocating drive (132) operatively associated with the pump head (98). The liquid reservoir may be a syringe (94) and liquid is pumped from the syringe by creating a negative pressure at the syringe outlet (108). A method of intravascular infusion of liquid utilizes the administration set (14) and linear reciprocating drive (132).