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(54) Title: SYSTEM AND METHOD FOR ACCURATELY DELIVERING CONTROLLED AMOUNTS OF VISCOUS FLUID TO A FLUID DELIVERY DEVICE

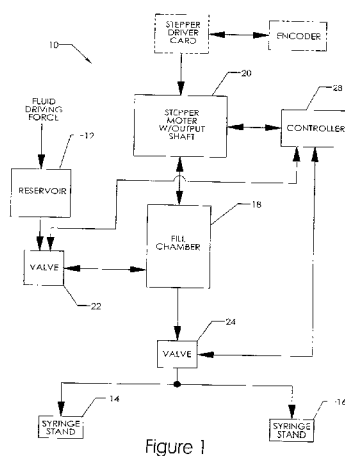


Figure 1

(57) Abstract: A system (10) and method for accurately delivering controlled amounts of viscous fluid to one or more fluid delivery devices (31). There is a fluid reservoir (12), a variable-volume fill chamber (18), and structure (171, 173) that fluidly interconnects the reservoir (12) to the fill chamber (18). Valving (22) is used to channel fluid flow from the reservoir (12) to the fill chamber (18). There is a device (20) that dispenses fluid from the fill chamber (18). Valving (24) is used to channel fluid flow from the fill chamber (18) to a fluid delivery device (31). A controller (28) automatically controls operation of the device (20) that dispenses fluid from the fill chamber (18), and may also control operation of the valving (22, 24).