

SYRINGE PUMP SYSTEM

ABSTRACT

A method for discharging fluid from a syringe and for mitigating occlusion conditions includes actuating the plunger of a syringe into a barrel. The method monitors fluid pressure within the barrel of the syringe and determines that an occlusion exists when the fluid pressure exceeds a predetermined threshold. The method actuates the plunger out of the barrel by a predetermined amount in response to the detected occlusion and actuates the plunger of the syringe into the barrel until a measured fluid pressure within the barrel of the syringe exceeds another predetermined threshold.

FIG. 60