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(54)	COMPACT PUMP DRIVE SYSTEM					
(75)	Inventor:	Sheldon Moberg , Granada Hills, CA (US)				
(73)	Assignee:	MiniMed Inc., Northridge, CA (US)				
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	604	1/154, 155; 128/DIG. 1, DIG. 12, DIG. 13				

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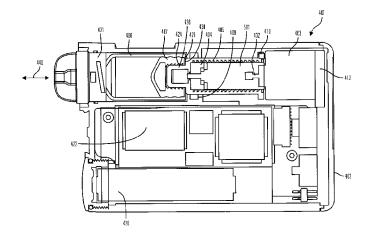
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Primary Examiner—John D. Yasko (74) Attorney, Agent, or Firm—MiniMed Inc.

(57) ABSTRACT

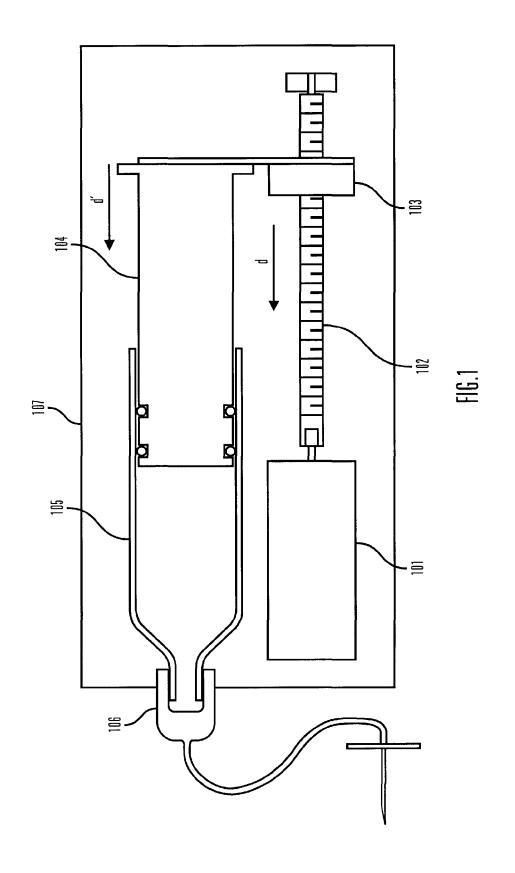
An improved pump is provided for controlled delivery of fluids wherein the pump includes a reservoir and a movable piston. A plunger slide is in removable contact with the movable piston. A motor, is operably coupled to a drive member, such as a drive screw. The motor is disposed in-line with the drive member and the plunger slide. The drive member is operably connected to the plunger slide and is disposed to be substantially enclosed by the plunger slide when the plunger slide is in at least one position. The drive member is adapted to advance the plunger slide in response to operation of the motor.

26 Claims, 14 Drawing Sheets

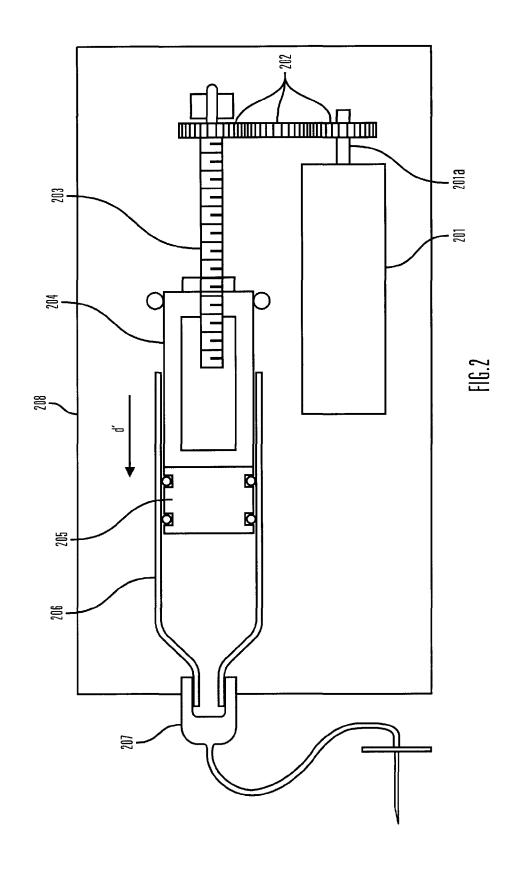




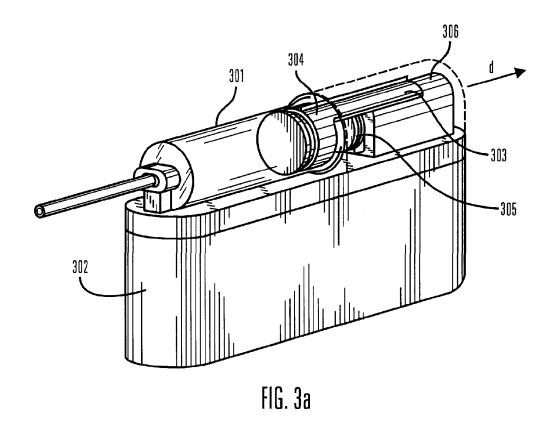


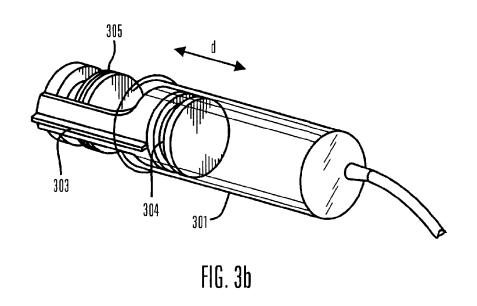


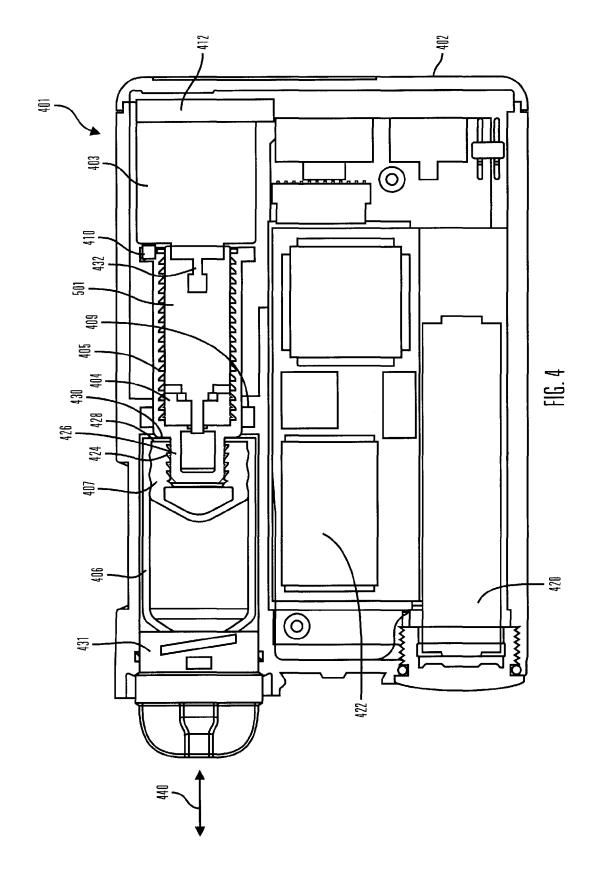












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