SUMMARY OF EMBODIMENTS OF THE INVENTION

[0004] Exemplary embodiments of the present invention address at least the above problems and/or disadvantages and provide at least the advantages described below.

[0005] In accordance with an exemplary embodiment of the present invention, a medication injection pen includes a housing and a dose set knob having at least one internal tooth. A brake ~~member~~tower has a plurality of axially extending splines. A driver includes at least one external tooth engaging the at least one internal tooth of the dose set knob and at least one ratchet arm engaging the plurality of axially extending splines. The driver is prevented from rotating with respect to the dose set knob while moving axially with the dose set knob during dose setting and dose correcting, and the driver rotates with the dose set knob during an injection.

[0006] In accordance with another exemplary embodiment of the present invention, a medication injection pen includes a housing and a dose set knob for setting and correcting a dose. A brake ~~member~~tower is axially and rotationally fixed to the housing. A driver moves axially with the dose set knob when setting and correcting the dose, and moves rotationally with the dose set knob when injecting the set dose. A hollow piston rod moves axially when injecting the set dose. A brake core member is disposed within the hollow piston rod to substantially prevent rotational movement of the hollow piston rod.

[0007] Additional objects, advantages and salient features of exemplary embodiments of the invention will become apparent to those skilled in the art from the following detailed description, which, taken in conjunction with annexed drawings, discloses exemplary embodiments of the invention.

BRIEF DESCRIPTION OF THE DRAWINGS

[0008] The above and other exemplary features and advantages of certain exemplary embodiments of the present invention will become more apparent from the following