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(54) Title: HOT-RUNNER ASSEMBLY WITH INTERNALLY COOLED AXIALLY MOUNTED ELECTRIC ACTUATOR

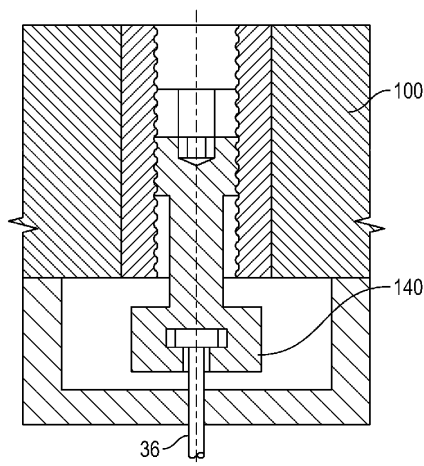


FIG. 4

(57) Abstract: A hot-runner injection molding apparatus that facilitates use of electric actuators in a compact design includes a hot-runner manifold defining resin channels for conveying resin to nozzles that serve as conduits for introducing liquid resin into a mold cavity, a valve pin configured for linear movement along a longitudinal axis of the nozzle to control flow of liquid resin through the nozzle, and an electric actuator having a body containing an electric motor, wherein the electric actuator body includes channels for circulating a coolant.

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