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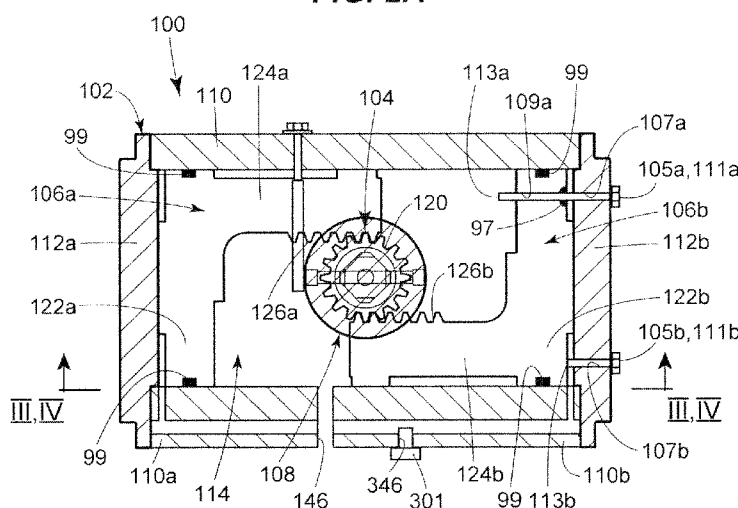
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(54) Title: SINGLE-ACTING ROTARY ACTUATOR

FIG. 2A



(57) Abstract: A rotary actuator (100) comprises a housing (102), a shaft (104), at least one piston (106), and at least one closed-wound power spring coupled to the shaft. The housing defines a cavity. The shaft (104) is disposed supported within the cavity of the housing and adapted for rotational displacement between a first position and a second position. The at least one piston (106) is supported within the cavity of the housing and operatively coupled to the shaft. The piston is adapted for sliding displacement in association with rotational displacement of the shaft. The at least one closed-wound power spring (108) is disposed within the cavity of the housing and operatively coupled to the shaft (104). So configured, the closed-wound power spring biases the shaft and the at least one piston into a predetermined relationship.



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