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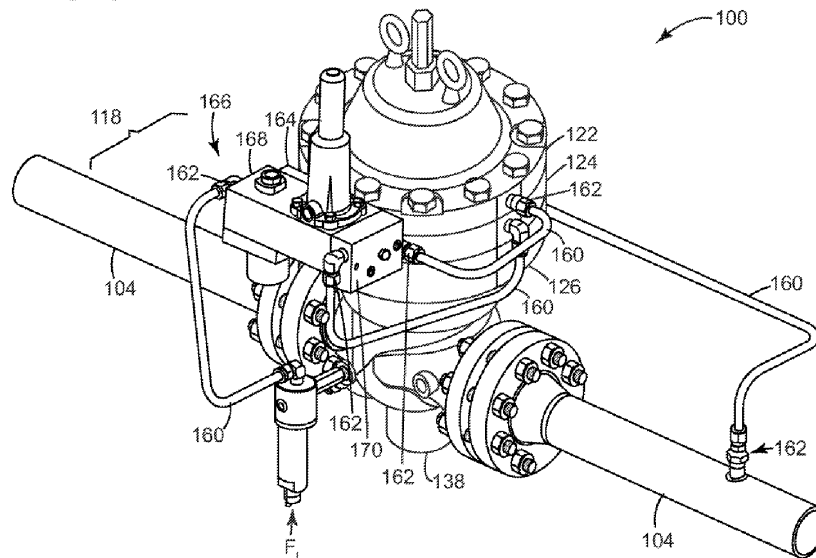
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(54) Title: PILOT-OPERATED PRESSURE REGULATOR

FIG. 6



(57) Abstract: A pressure regulator is configured for better accuracy and response times at higher inlet pressures. These configurations may integrate two-path control with a pressure-balanced plug. The two-path control may leverage a pair of pilot valves, one with a fixed differential pressure and the other with a variable differential pressure. In one implementation, the device is plumbed so that downstream pressure is sensed at both the actuator and the variable differential pressure pilot valve.

[Continued on next page]

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