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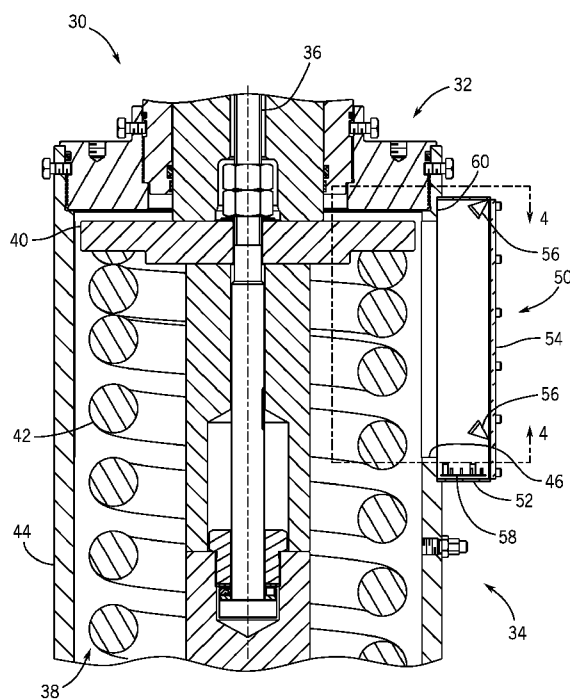
(54) **Title:** NON-INTRUSIVE POSITION DETECTOR FOR VALVE ACTUATOR

FIG. 2

(57) **Abstract:** A non-intrusive position detector is provided. In one embodiment, a system includes a valve (30) having a main body (32) and an actuator (38) to control flow through the valve. The actuator can be disposed within an actuator housing (44) coupled to the main body. The system also includes a position detector (50) including a camera (56) mounted inside a detector housing (52). The detector housing can be installed over an aperture (46) in the actuator housing such that the actuator within the actuator housing is in view of the camera through the aperture. A processor (92) can be used to determine the position of the actuator from image data collected by the camera. Additional systems, devices, and methods are also disclosed.



Declarations under Rule 4.17:

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