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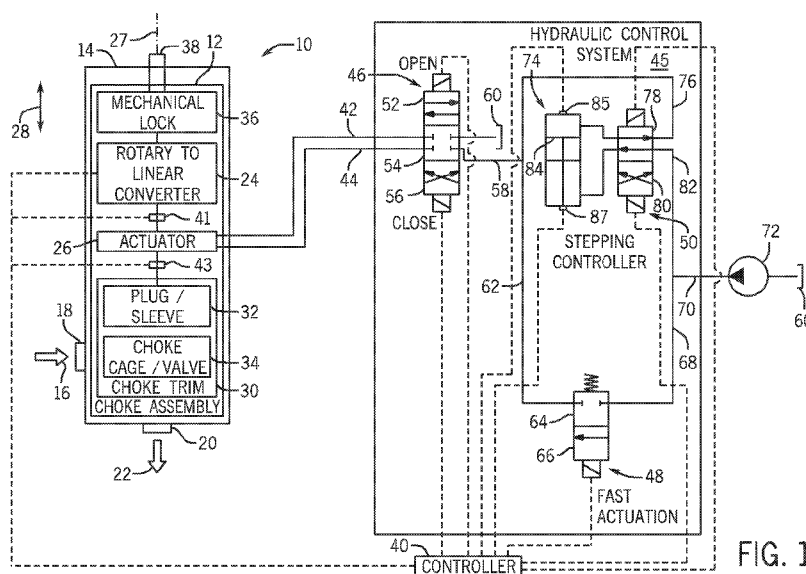


FIG. 1

(57) Abstract: [0049] A valve (10) and a hydraulic controller (45) are provided. The valve may combine a rotary-to-linear converter (24) with the hydraulic controller to provide for at least two mechanisms for actuating the valve. Additionally, the valve may include a mechanical lock mechanism (36) suitable for securing the valve at a desired flow position. The mechanical lock mechanism may also provide overload protection. That is, the mechanical lock mechanism may "slip" or disengage if torque forces reach undesired levels. The hydraulic controller may enable a "stepping" mode of control and "fast actuation" mode of control. The "stepping" mode may deliver a discrete quantity of a fluid, while the "fast actuation" mode may deliver a continuous quantity of the fluid.