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(54) Title: ELECTRIC/HYDRAULIC SAFETY VALVE

(57) Abstract: Provided is an electro/hydraulic valve for use in a hydrocarbon production well, an electrically surface-controlled subsurface safety valve, and a method of operating an electrically surface-controlled subsurface safety valve. The electro/hydraulic valve for use in a hydrocarbon production well, in one aspect, includes a fluid chamber, and an electro/thermal expansion pump having a fluid inlet and a fluid outlet, and further wherein an inlet check valve is positioned in fluid communication between the fluid chamber and the fluid inlet and an outlet check valve is positioned in fluid communication between the fluid outlet and a hydraulically controlled actuation member.

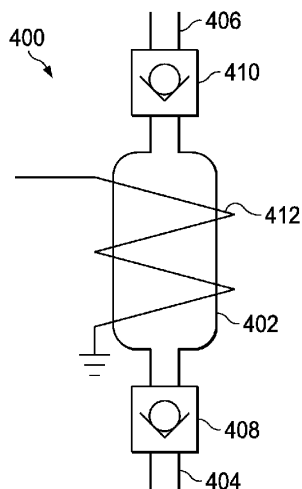


FIG. 4A