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(54) Title: SUBSURFACE SAFETY VALVE WITH RECOUPLING MAGNET ASSEMBLY

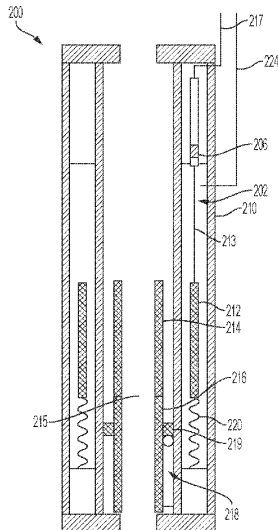


FIG. 2

(57) Abstract: A safety valve for a wellbore can include a piston, a flapper valve, a flow tube, a series of outer magnets, and a series of inner magnets. The piston can displace the flow tube, which can operate the flapper valve. The series outer magnets can be attached to an outer wall of the piston. The series of inner magnets can be attached to a flow tube of the safety valve. The series of outer magnets and the series of inner magnets can be arranged in a non-alternating polarity pattern. The non-alternating polarity pattern can be ordered in such a way that a first force to decouple the series of inner magnets from the series of outer magnets is larger than a second force to recouple the series of inner magnets to the series of outer magnets.

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