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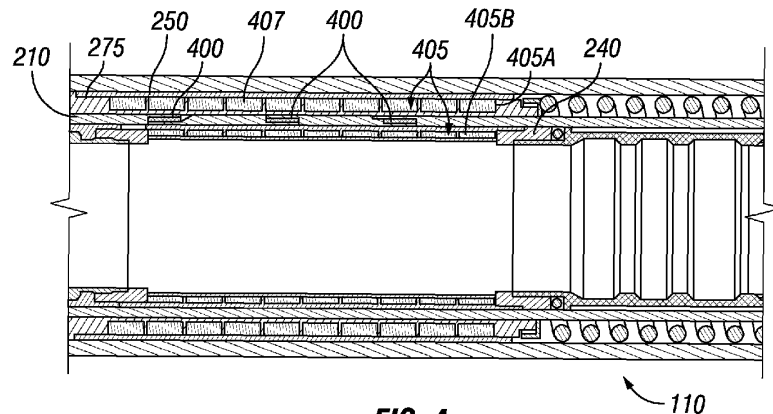


FIG. 4

(57) Abstract: A well safety valve, comprising: a first sub assembly, wherein the first sub assembly comprises: an outer housing having a central bore extending axially through the outer housing, wherein the outer housing comprises an outer wall having a receptacle formed in the outer wall; a piston disposed in the receptacle; a rod, wherein the rod is disposed at an end of the piston, wherein a first magnetic sleeve is disposed around the rod; a flow tube disposed in the central bore of the outer housing, wherein the flow tube comprises a second magnetic sleeve on an exterior surface of the flow tube; and a valve member disposed in the outer housing; and one or more magnetic sensors disposed in the outer housing between the first magnetic sleeve and the second magnetic sleeve; and a second sub assembly, wherein the second sub assembly is coupled to the first sub assembly.



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