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(54) **Title:** MAGNETIC KEY FOR OPERATING A MULTI-POSITION DOWNHOLE TOOL

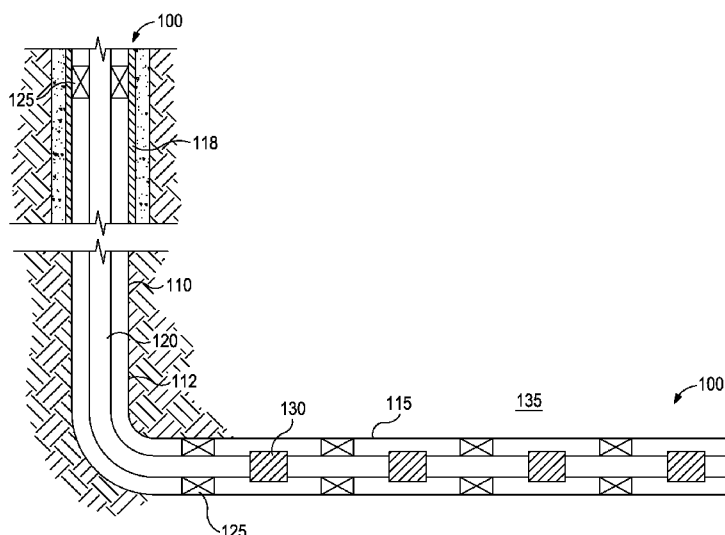


FIG. 1

(57) **Abstract:** A downhole tool for use in a wellbore tubular string comprises a housing having a bore therethrough forming part of a fluid flowpath through the wellbore tubular string, a sliding member operable to slide with respect to the housing, a plurality of magnetic pins, and a corresponding plurality of springs. A sliding line is formed by interfacing surfaces of the sliding member and the housing, and the plurality of pins comprise a locked position and an unlocked position whereby in the locked position at least one pin spans the sliding line to prevent the sliding member from sliding with respect to the housing and in the unlocked position no pins span the sliding line. The plurality of springs biases the pins towards the locked position.