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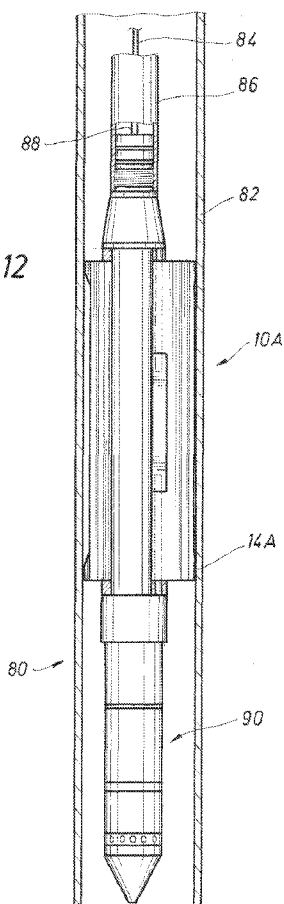
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(54) Title: DOWNHOLE CLAMPING MECHANISM

FIG. 12



(57) Abstract: An anchoring system for use with a downhole tool includes a body with anchor members mounted on the body that pivot radially outward from the body and into engagement with an inner surface of a tubular. Curved slots are provided along a portion of the members and a sliding block has a protrusion that projects into the slots. The slots are curved so that when the block is urged axially within the body, the interaction between the slots and protrusions pivots the members radially outward. A piston is urged through the body to drive the block. Optionally, an elongate helical gear may cooperate with grooves formed in an edge of the members so that rotating the gear pivots the members radially outward.

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