

RUNNING TOOL WITH FEEDBACK MECHANISM

Abstract of the Disclosure:

A running tool (11) has a stem (13) for connecting to a string of conduit, a body (31), and a plurality of functional positions selected in response to rotation of the stem (13) relative to the body (31). A feedback mechanism assembly (12) is connected to the running tool (11) and is operational with rotation of the stem (13) relative to the body (31). The feedback mechanism assembly (12) increases the torque required to rotate the stem (13) relative to the body (31) when the running tool (11) has reached one of the plurality of its functional positions. The increased torque thereby provides a positive indication that the running tool (11) has reached and is in the desired and proper functional position.

Figure 1