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(54) Title: FAILSAFE SAFETY VALVE WITH LINEAR ELECTROMECHANICAL ACTUATION

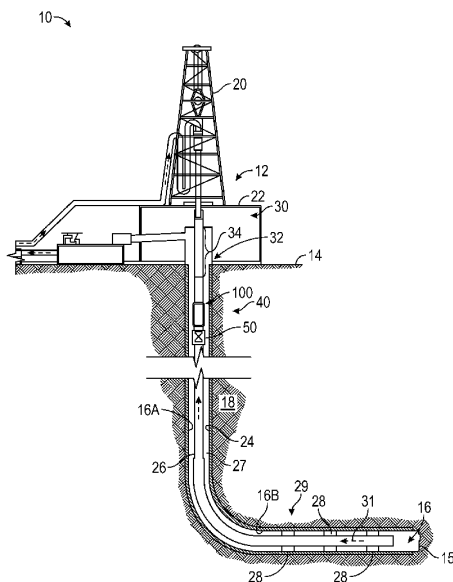


FIG. 1

(57) Abstract: A linear electromechanical actuator with a failsafe design may be used with a downhole flow control system. In one example, a subsurface safety valve for controlling flow of production fluids includes a valve closure element moveable between an open position and a closed position in response to a linear movement of an actuating member. A biasing member biases the valve closure element to the closed position. A power section with an electrically-powered motor drives a rotation. A drive section coupled to the power section converts the rotation of the motor to the linear movement of the actuating member to at least open the subsurface safety valve. A clutch selectively decouples the power section from the drive section in response to a power loss.