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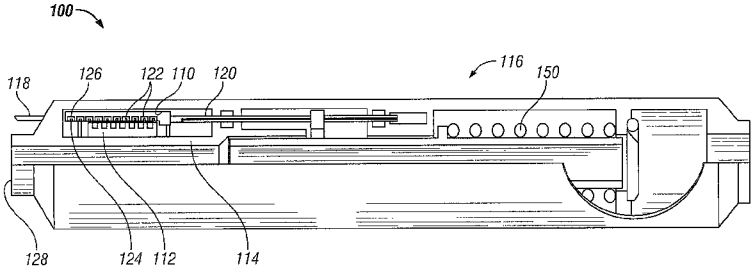


FIG. 4

(57) Abstract: A linear motor activator for a downhole safety valve including a permanent magnet carrier; a plurality of permanent magnets mounted to the permanent magnet carrier; a coil carrier disposed in magnetic field proximity to the permanent magnet carrier; and a plurality of coils mounted to the coil carrier, one of the permanent magnet carrier and the coil carrier being movable relative to the other of the permanent magnet carrier and coil carrier, and being connected to a component of a downhole safety valve and method.

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