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(54) Title: A SAFETY VALVE EMPLOYING RADIALLY COUPLED MAGNETIC TARGETS AND AN ELECTROMAGNET AXIALLY COUPLED TO A MAGNETIC TARGET

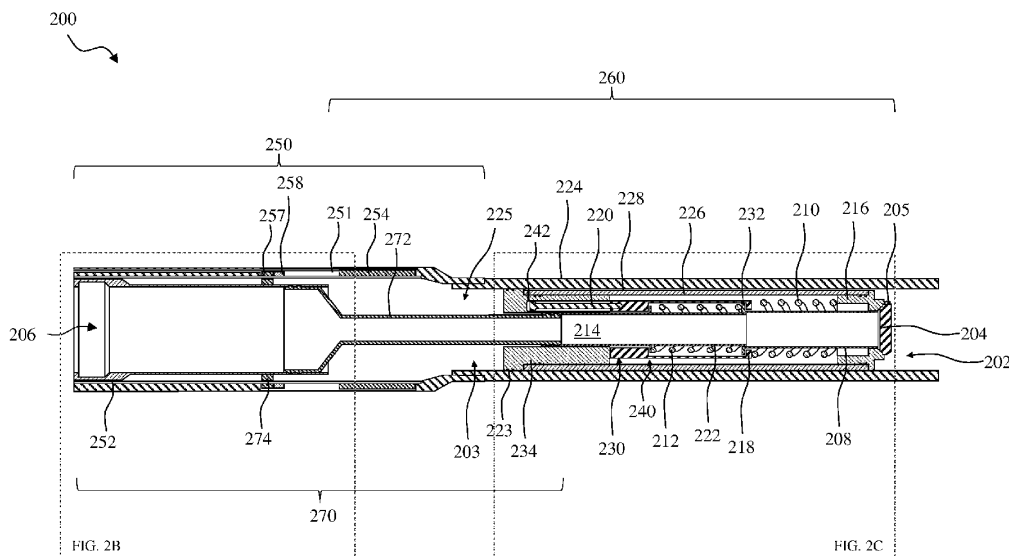


FIG. 2A

(57) Abstract: Provided is a safety valve, a well system, and a method. The safety valve, in one aspect, includes a first portion, the first portion including a safety valve sub having a pocket therein, the pocket including an electromagnetic assembly, one or more radial outer magnetic targets, and a magnetic target located therein. The safety valve, according to this aspect, further includes a second portion. The safety valve, according to this aspect, further includes a third portion, the third portion including a mechanical connecting apparatus having one or more radial inner magnetic targets associated therewith and configured to magnetically engage with the one or more radial outer magnetic targets, wherein at least one of the one or more radial inner magnetic targets or the one or more radial inner magnetic targets are one or more permanent magnets.

[Continued on next page]

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