

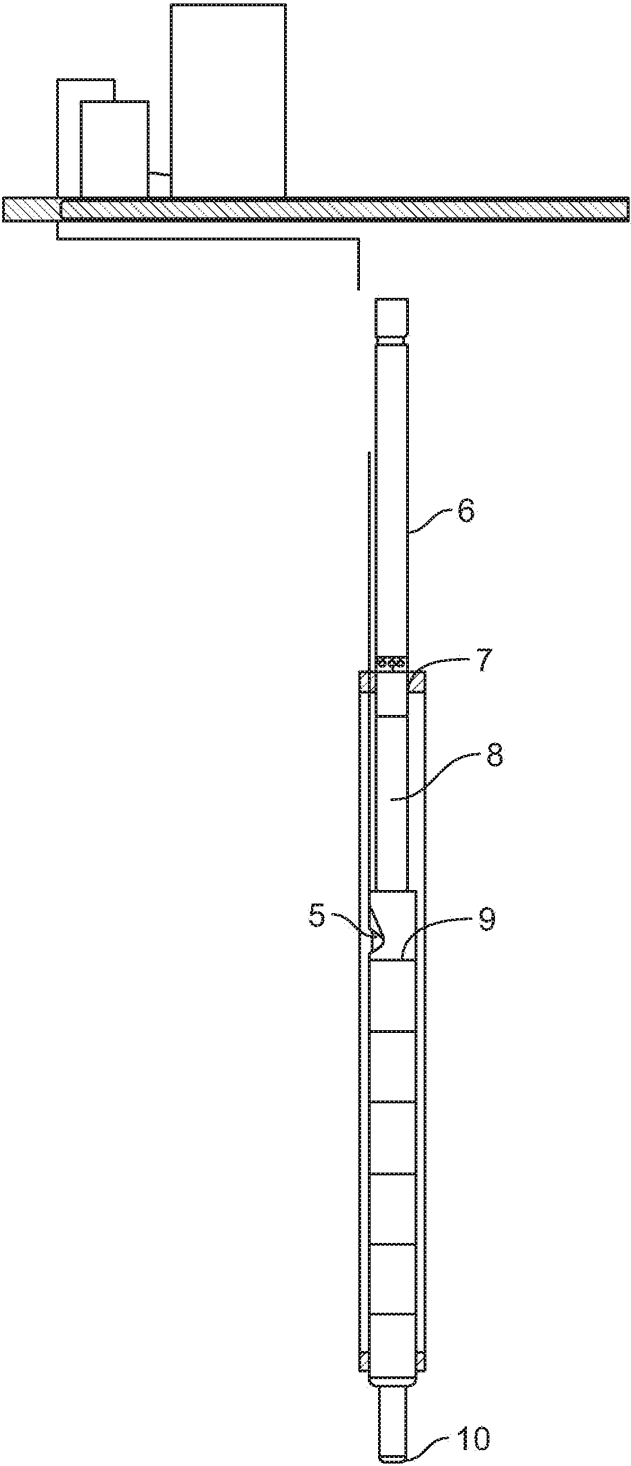


FIG. 1

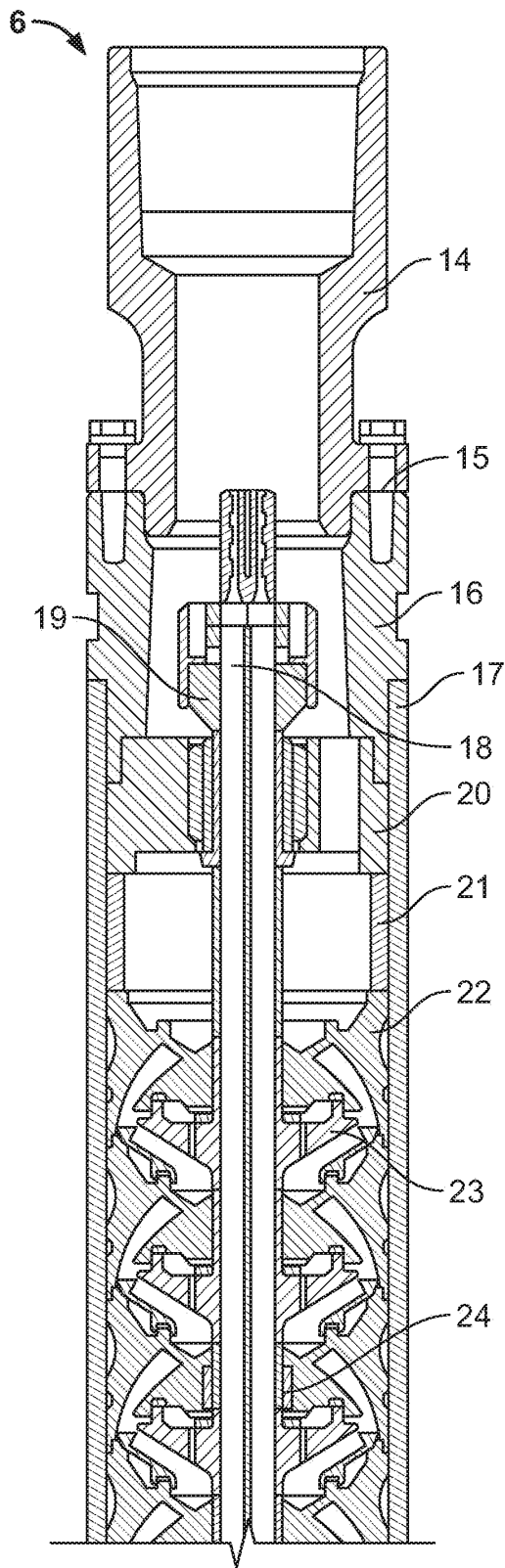


FIG. 2

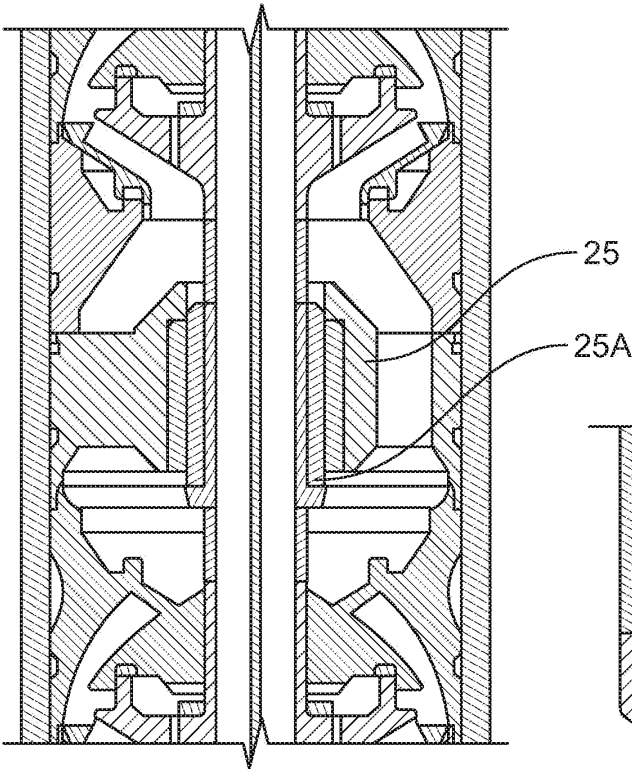


FIG. 3

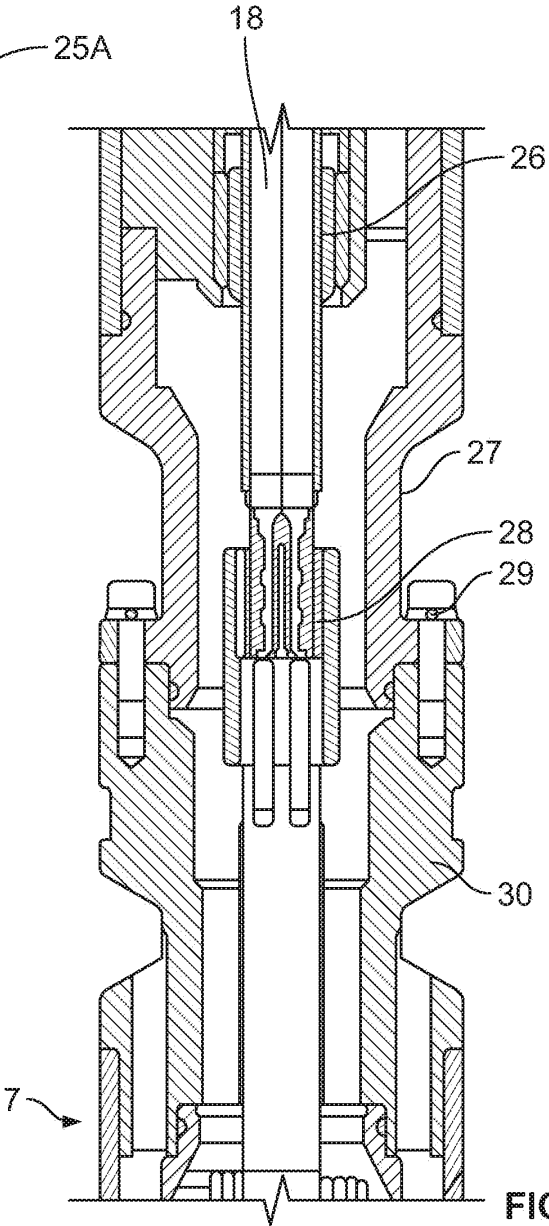


FIG. 4

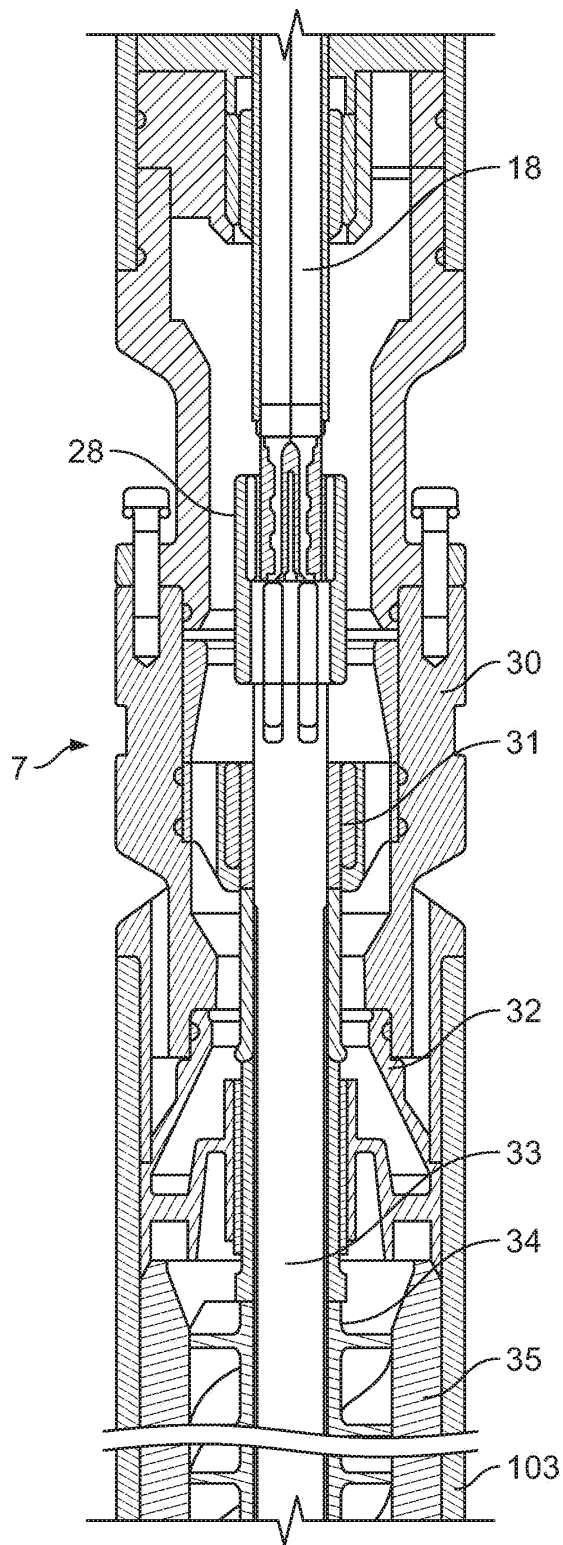


FIG. 5

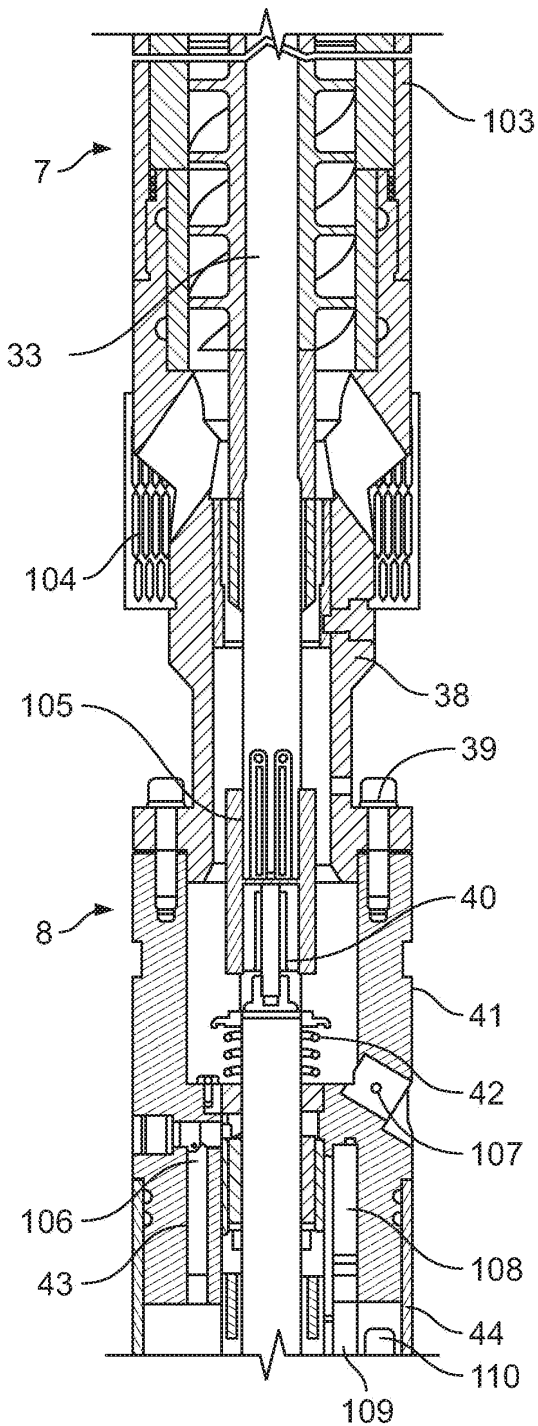


FIG. 6

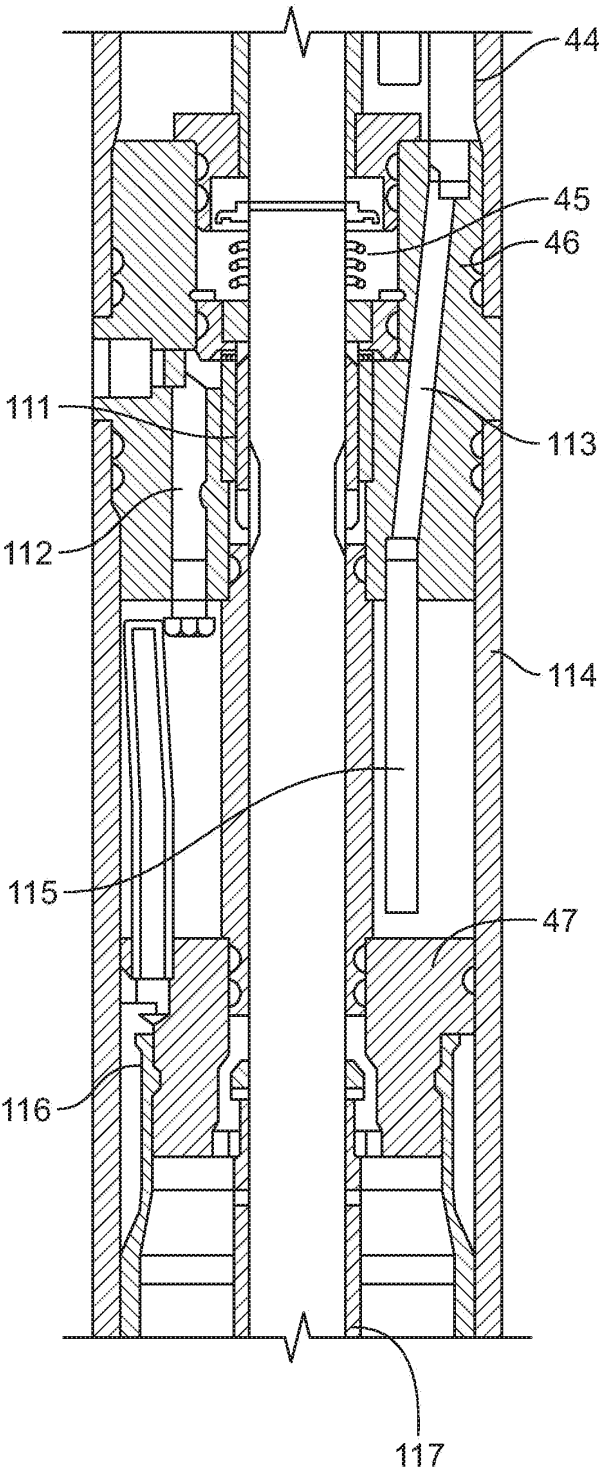


FIG. 7

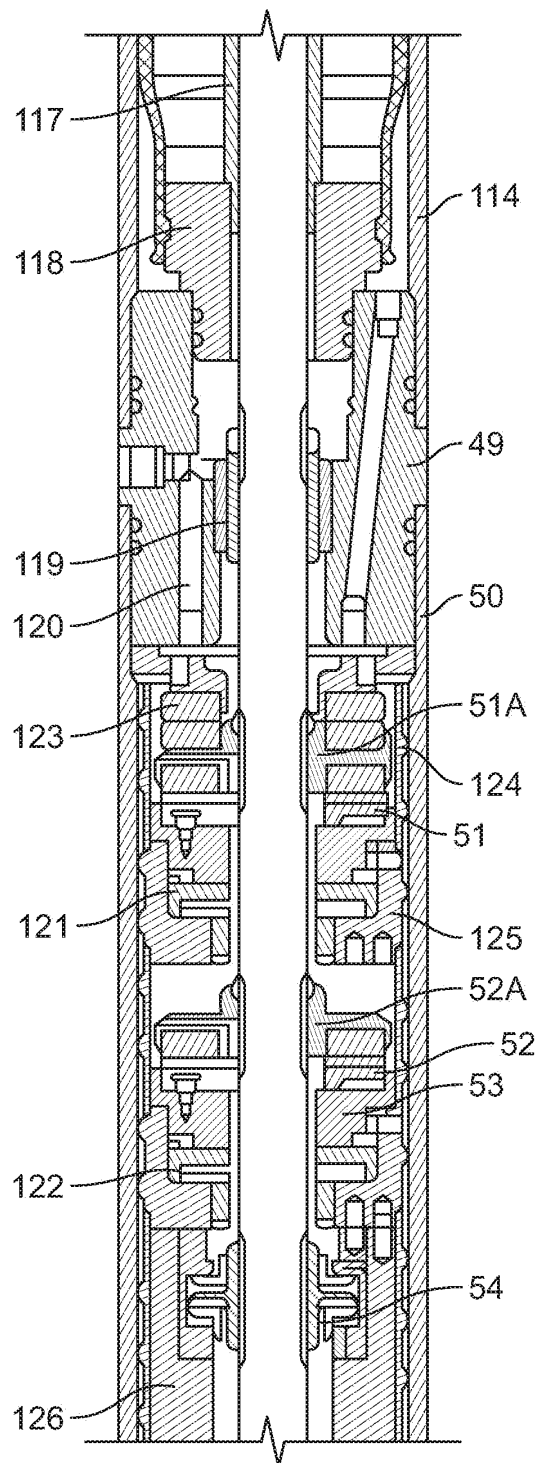


FIG. 8

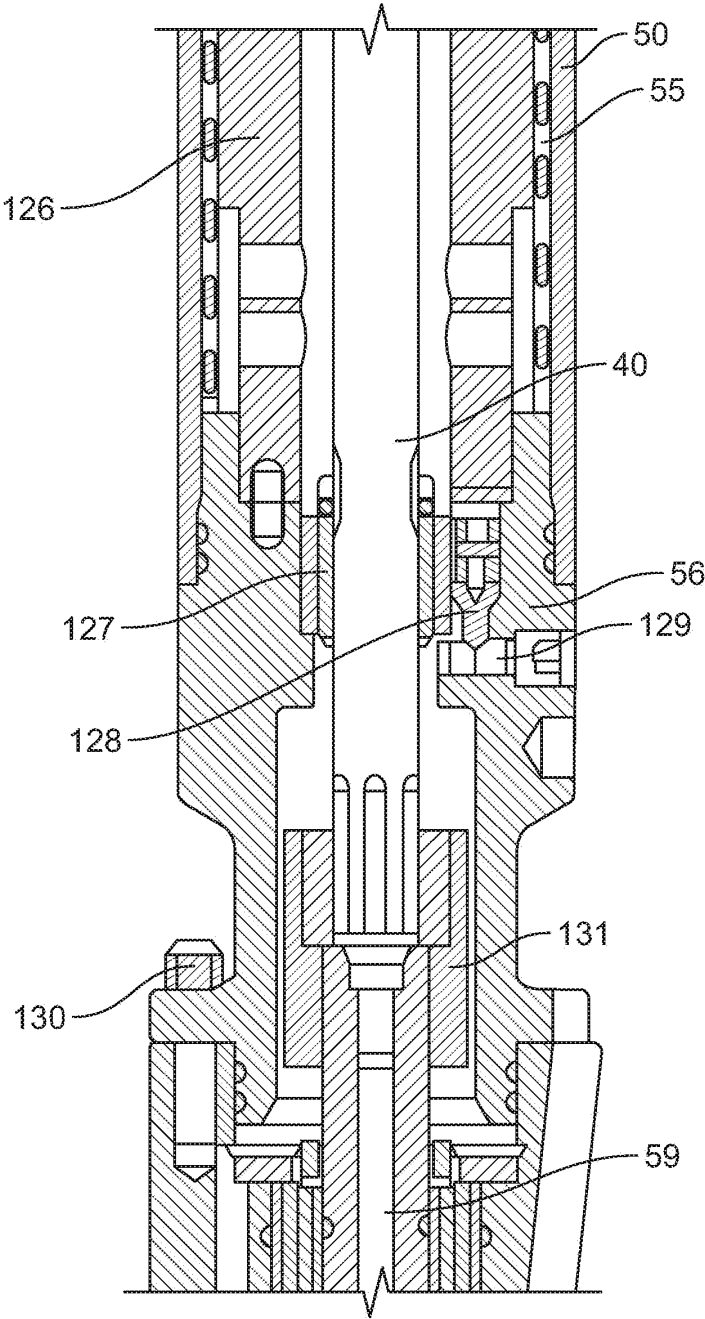


FIG. 9

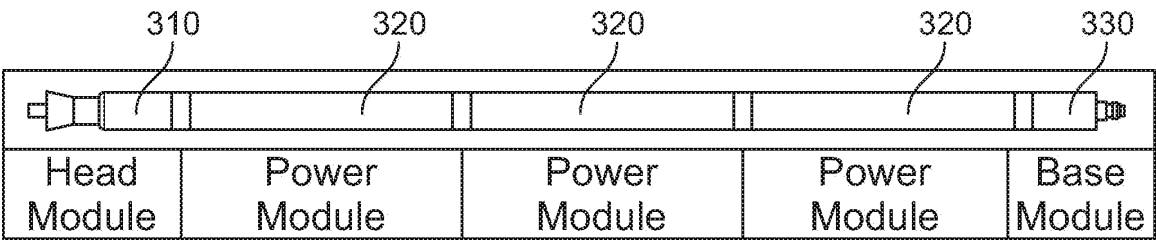


FIG. 10A

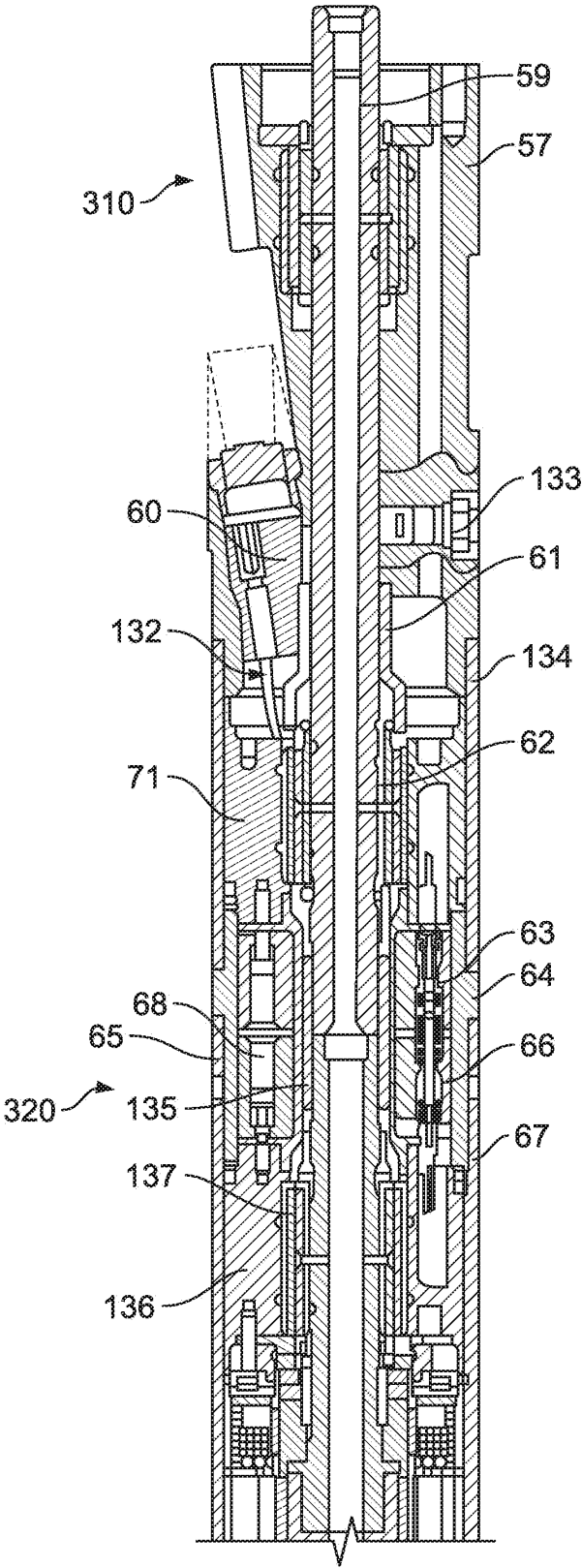


FIG. 10B

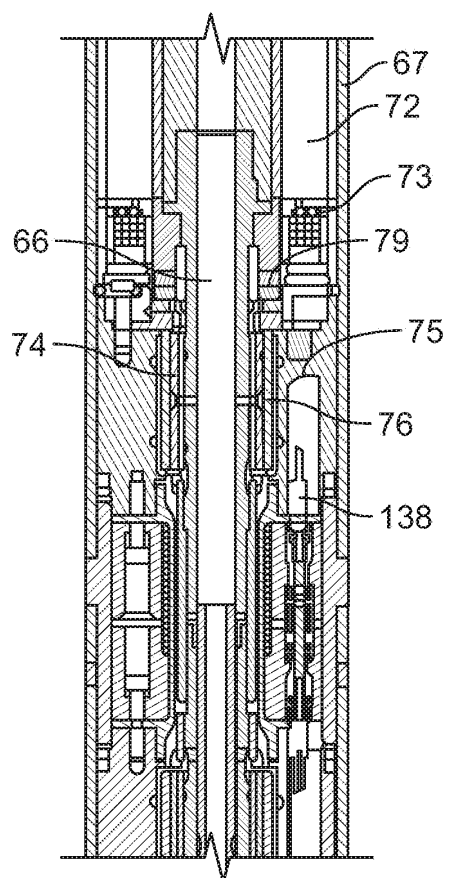


FIG. 11

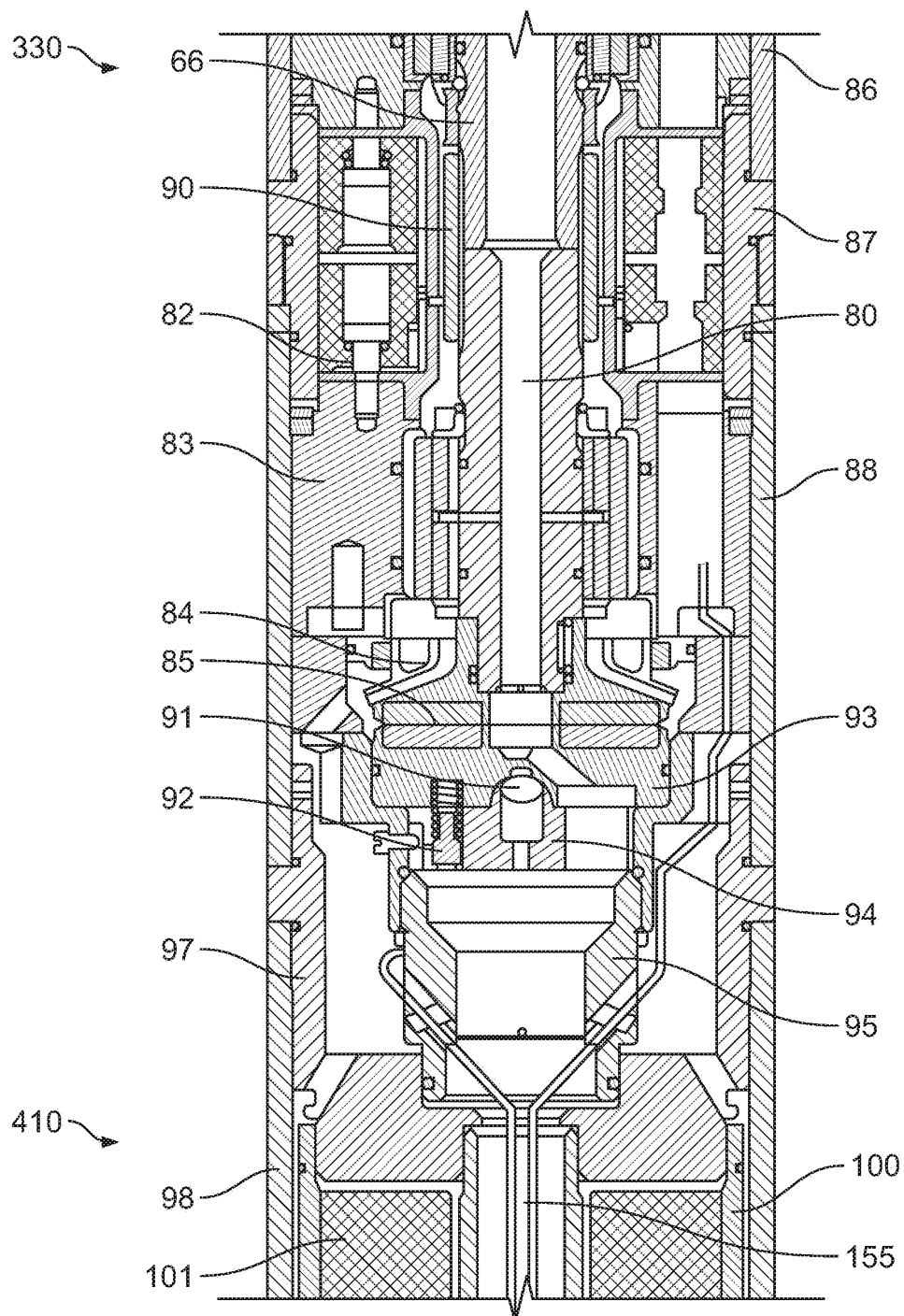


FIG. 12

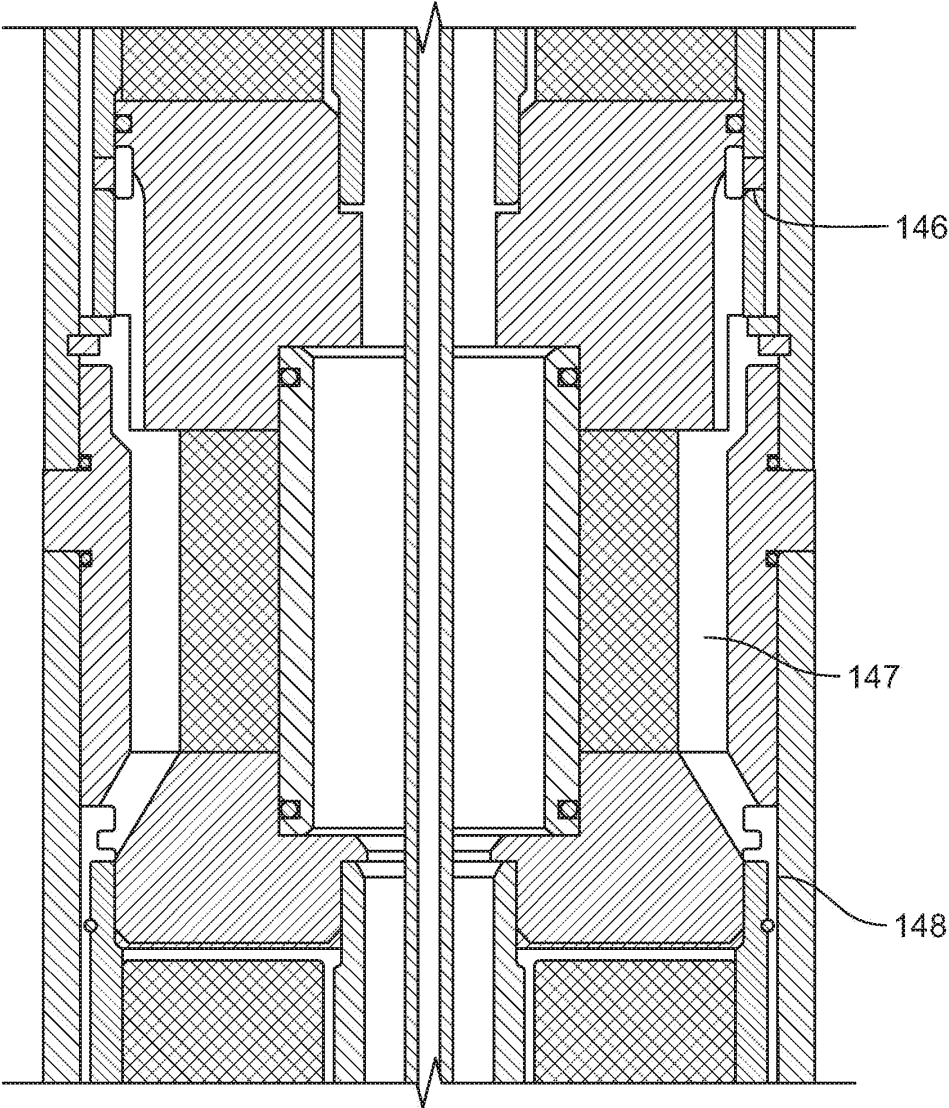


FIG. 13

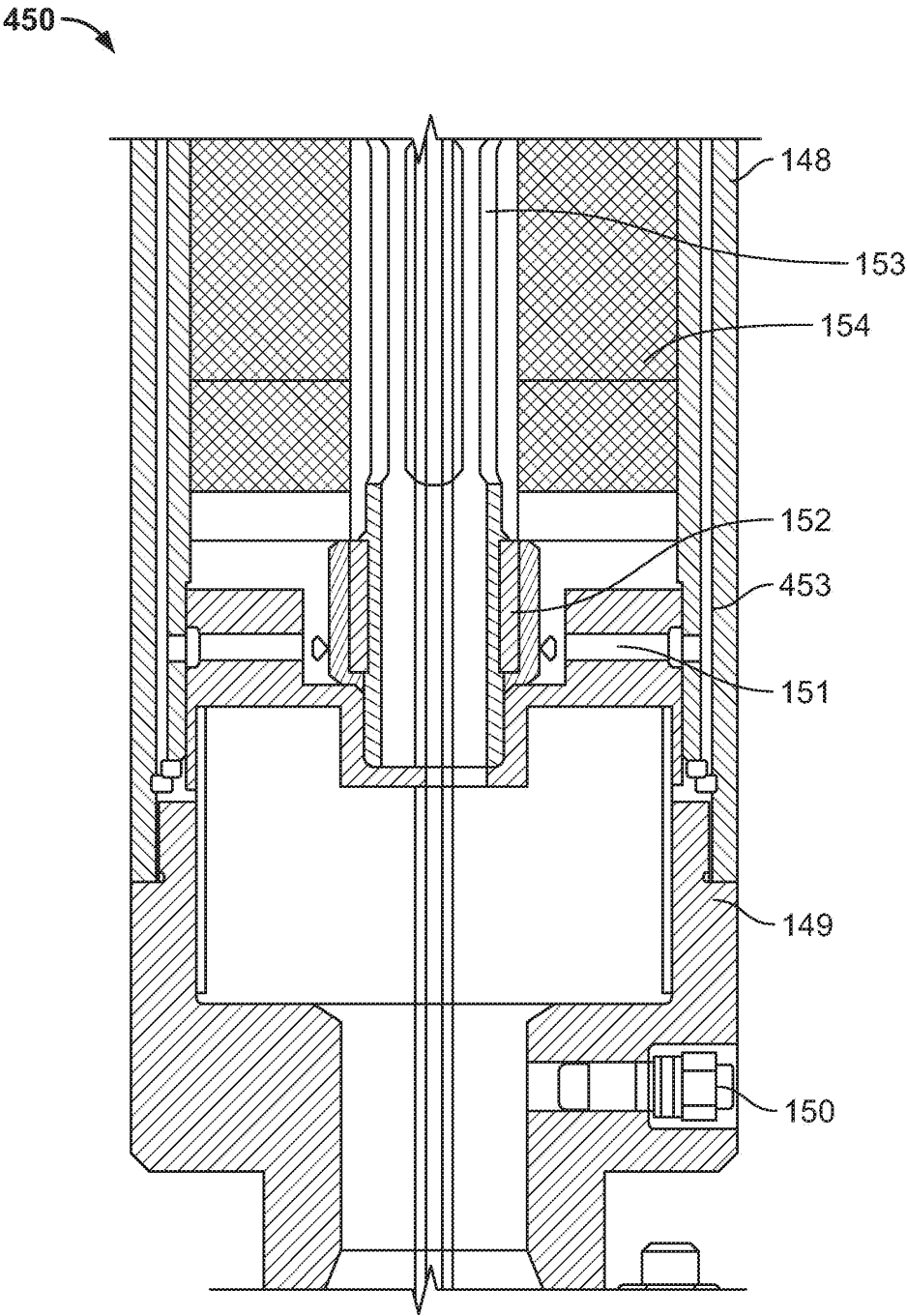


FIG. 14

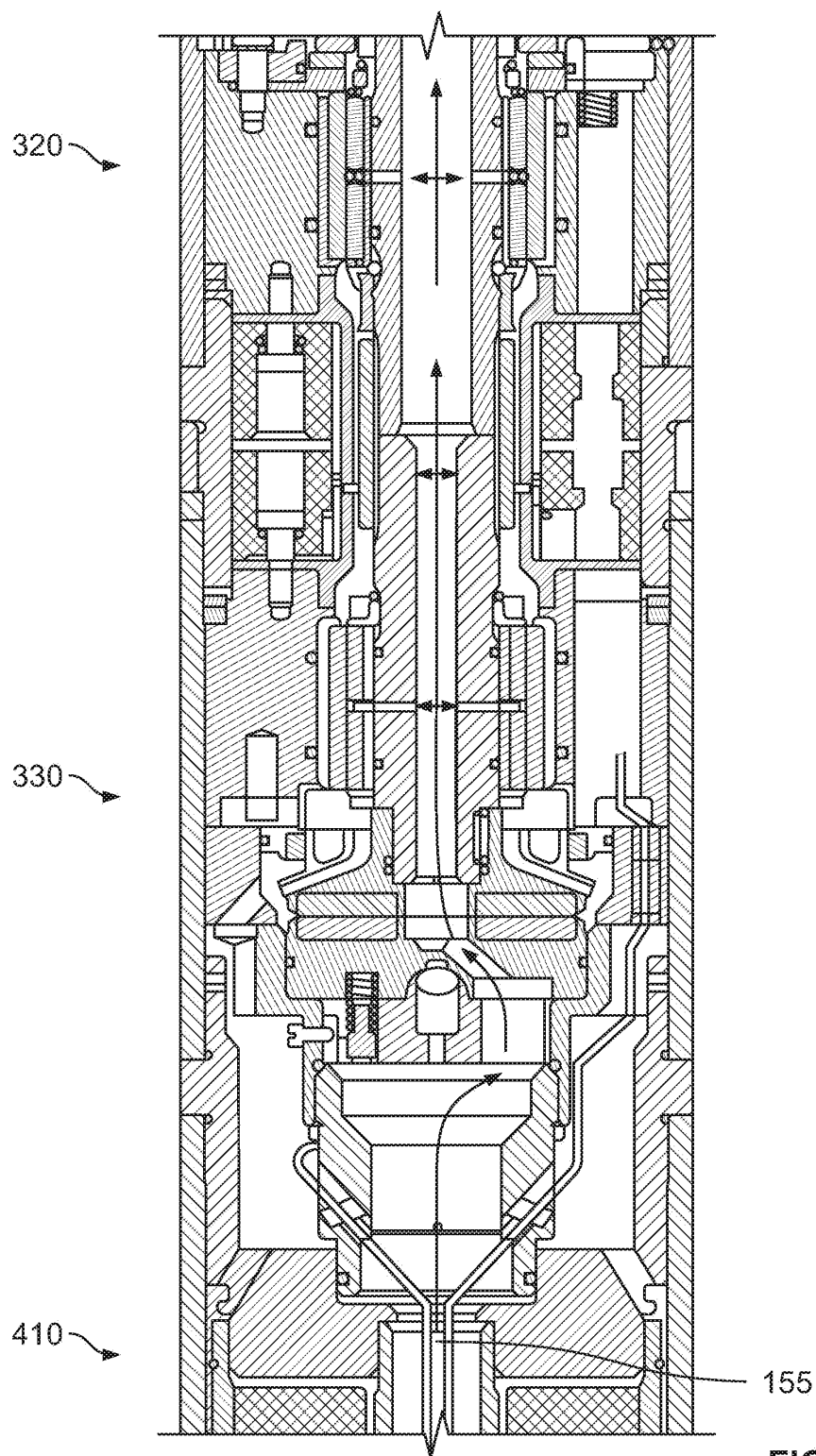


FIG. 15



FIG. 16A

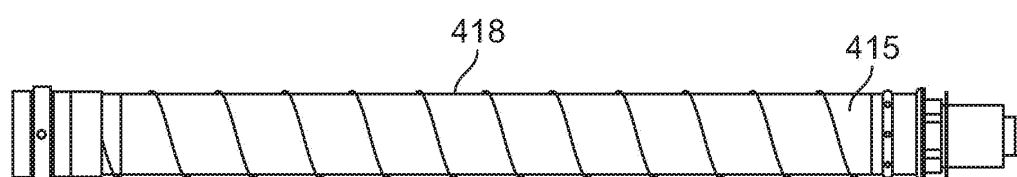


FIG. 16B

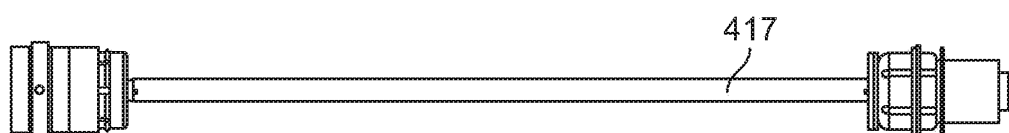


FIG. 16C

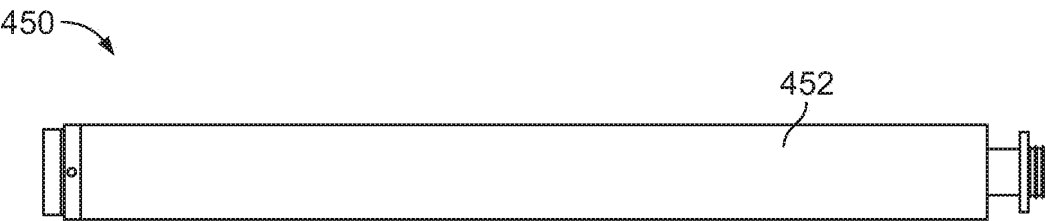


FIG. 17A

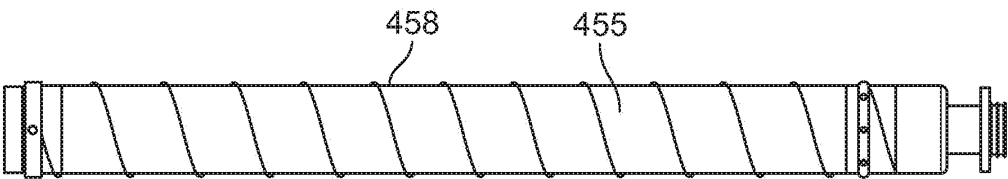


FIG. 17B

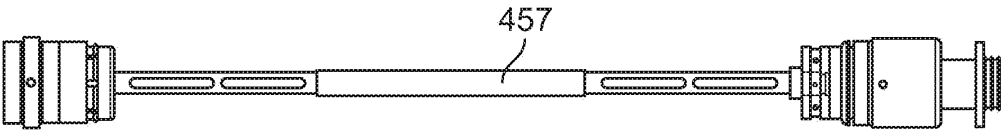


FIG. 17C

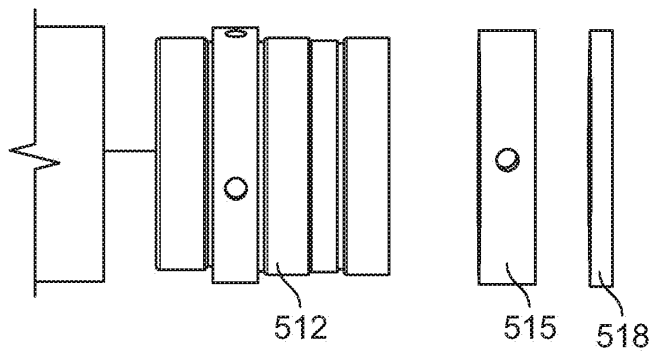


FIG. 18

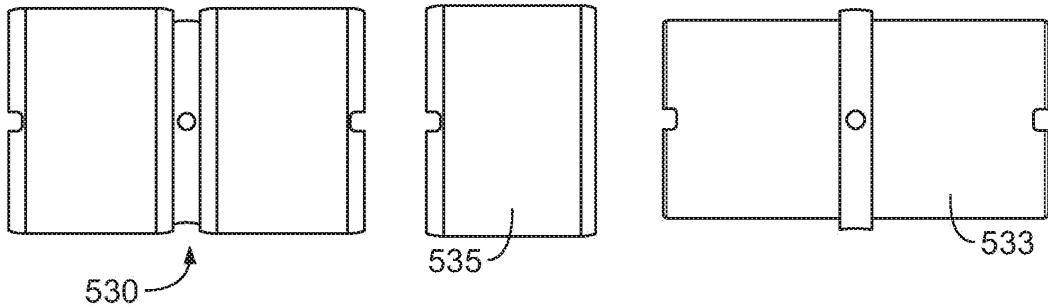


FIG. 19A

FIG. 19B

FIG. 19C

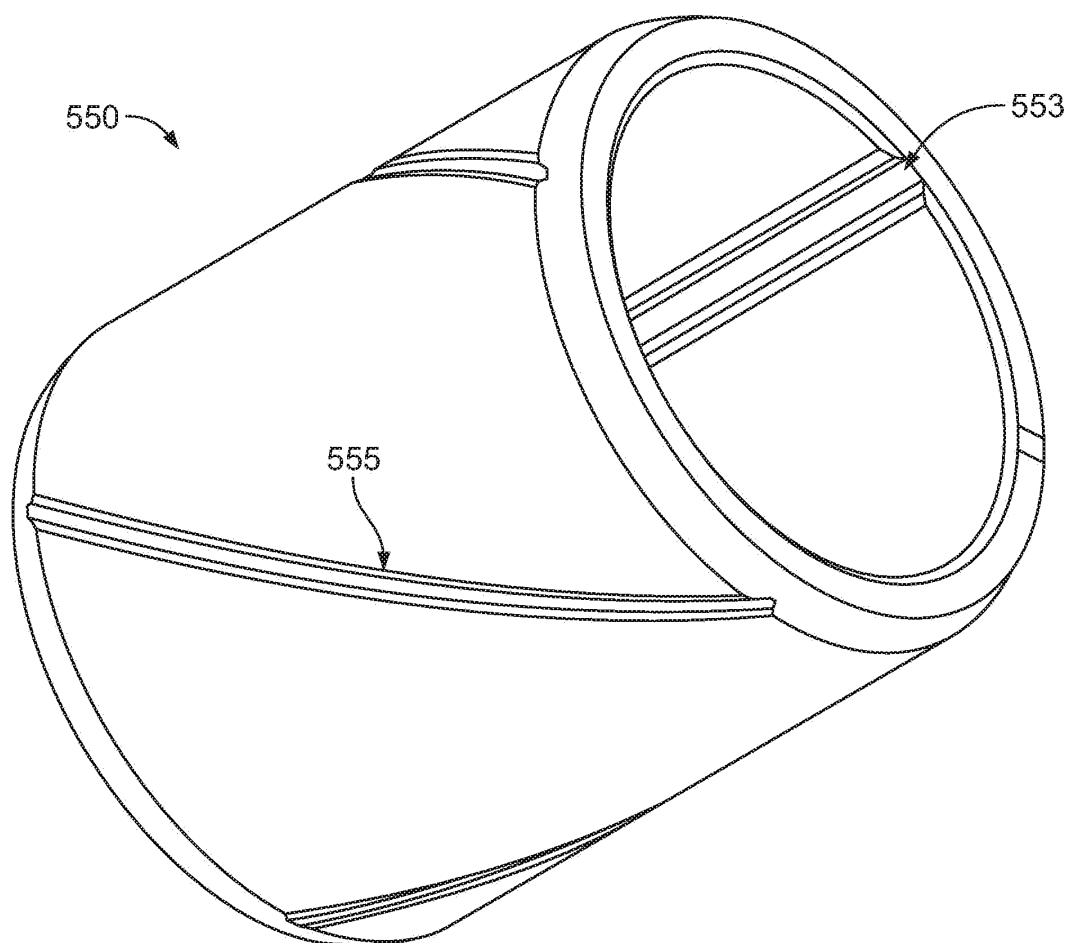


FIG. 20A

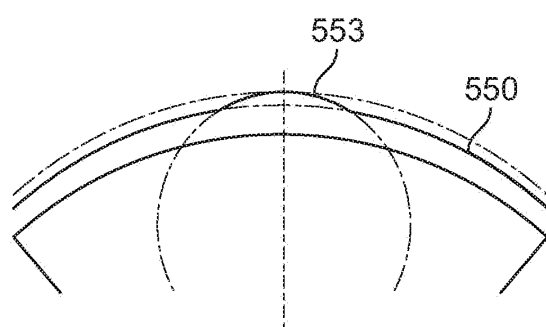


FIG. 20B

Stator Phase Alignment Features

Figure 21 Stator Lamination with Phase Alignment Mark

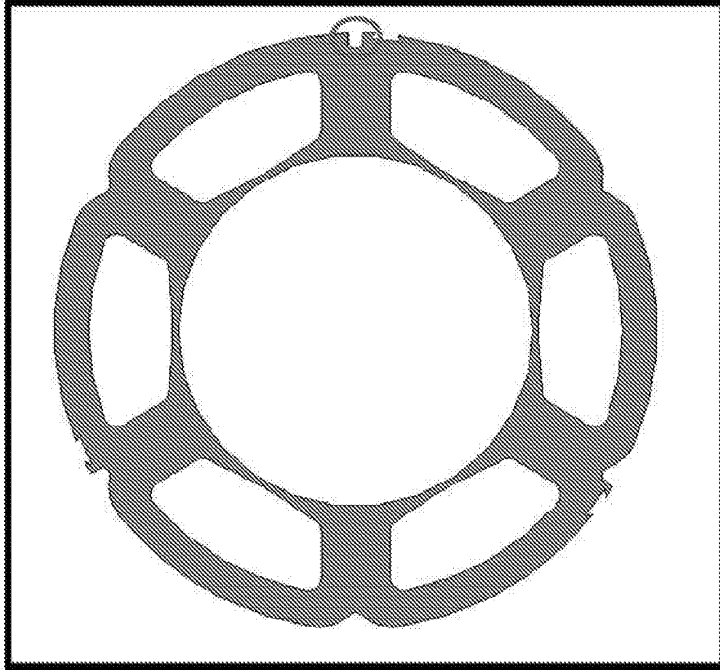


Figure 22 Stack Lamination with Phase Alignment Mark

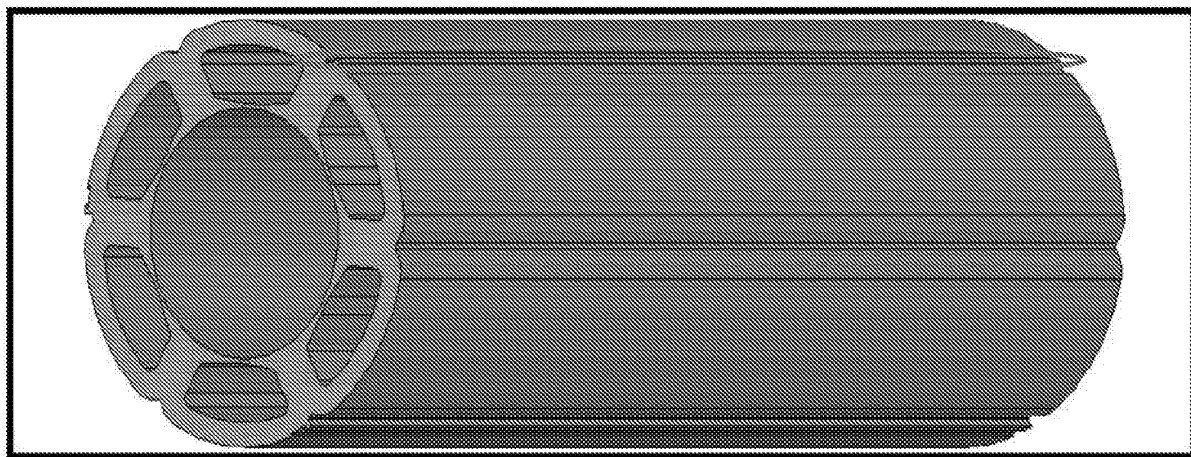


Figure 23 Stator Alignment Mark when installed in motor Housing

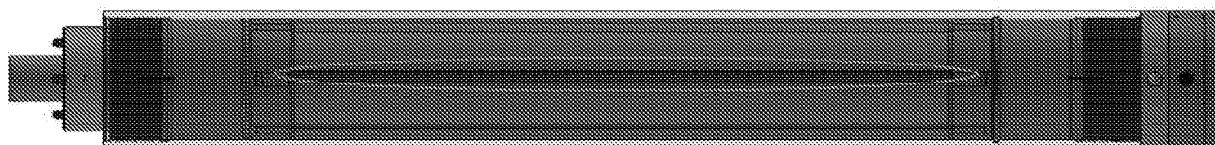


Figure 24 Stator Alignment Mark transferred to outside of Motor Housing when assembled

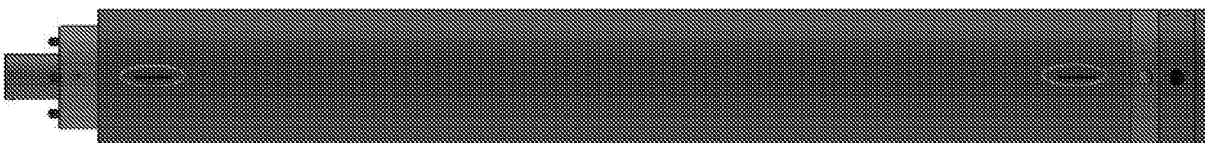


Figure 25 Phases aligned when motors coupled together

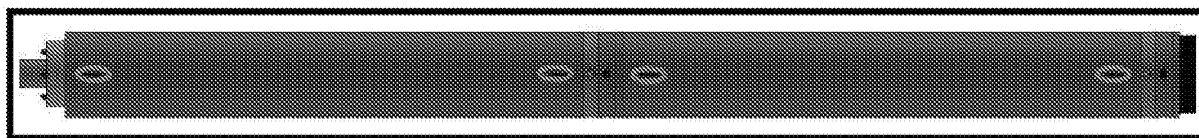


Figure 26

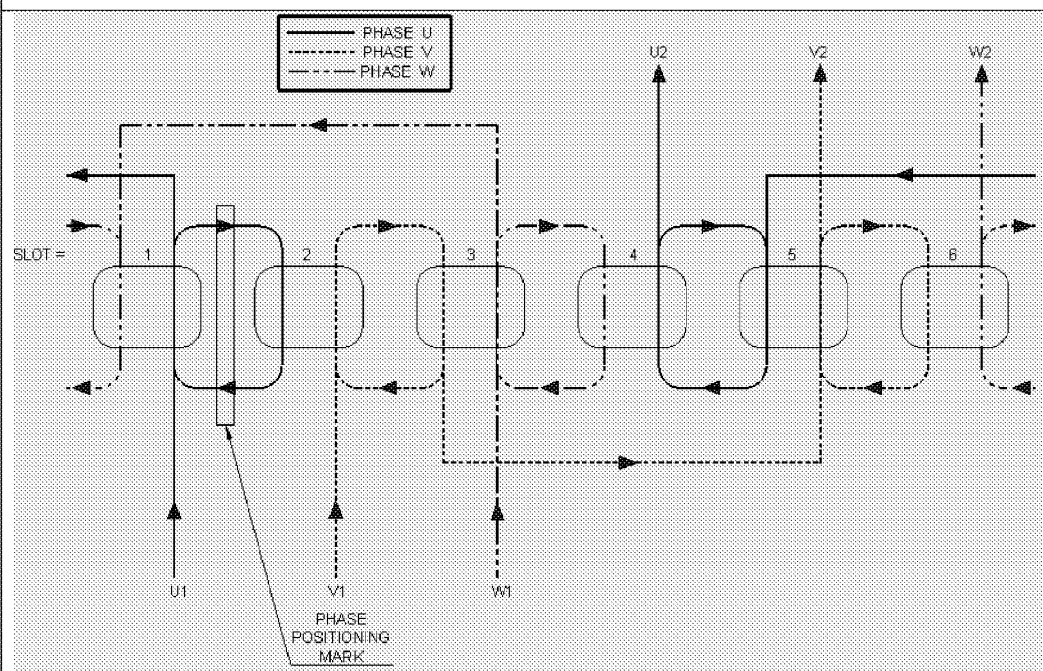
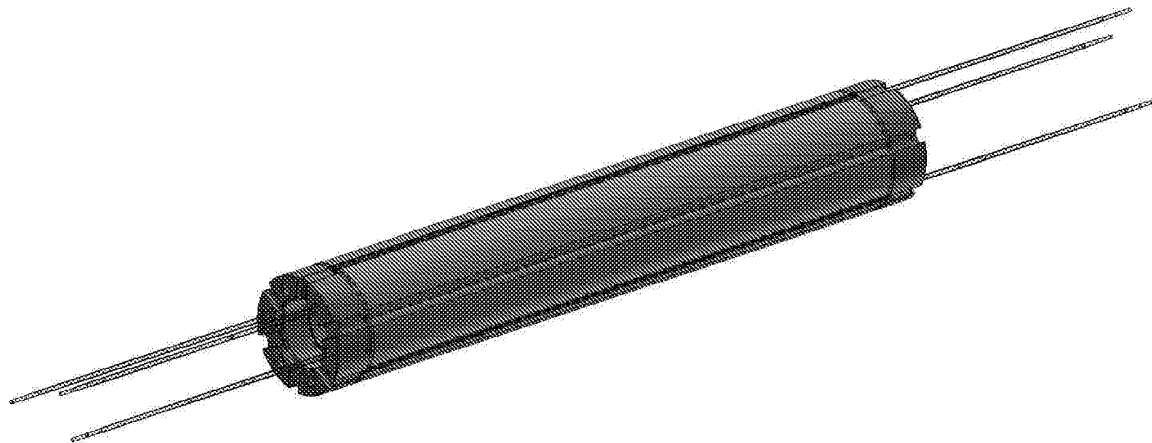


Figure 27

Rotor Pole Alignment Features

Figure 28 Rotor shown with Retention sleeve



Figure 29 Rotor Shown without retention Sleeve – Notice dividing strip between magnetic poles



Figure 30 Pole division aligned with keyways and Pole Position notch on end of shaft

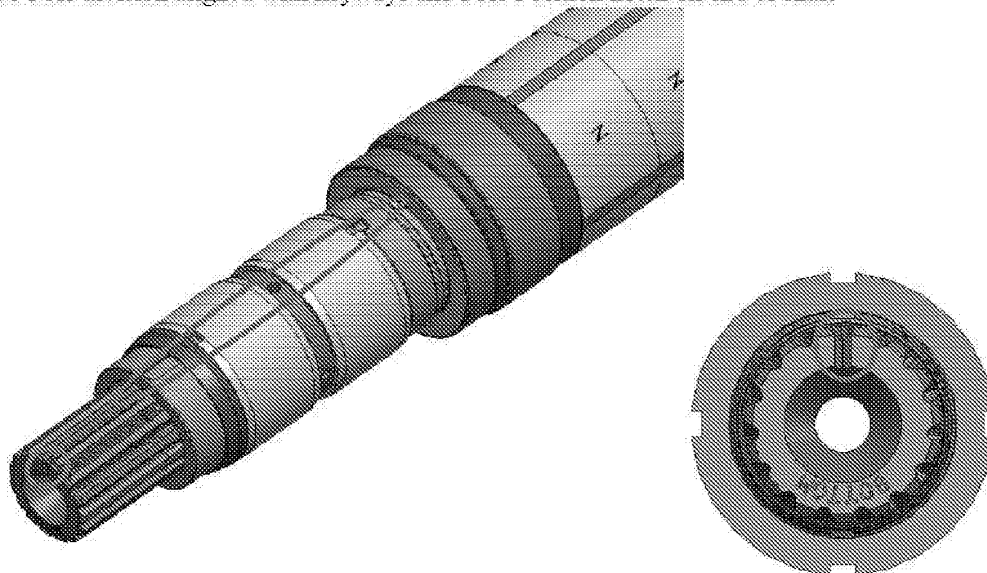


Figure 31 Coupling alignment notch lined up with Pole Position Notch to align Rotors

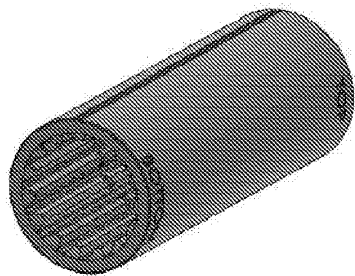


Figure 32 Rotors coupled together with poles aligned

