

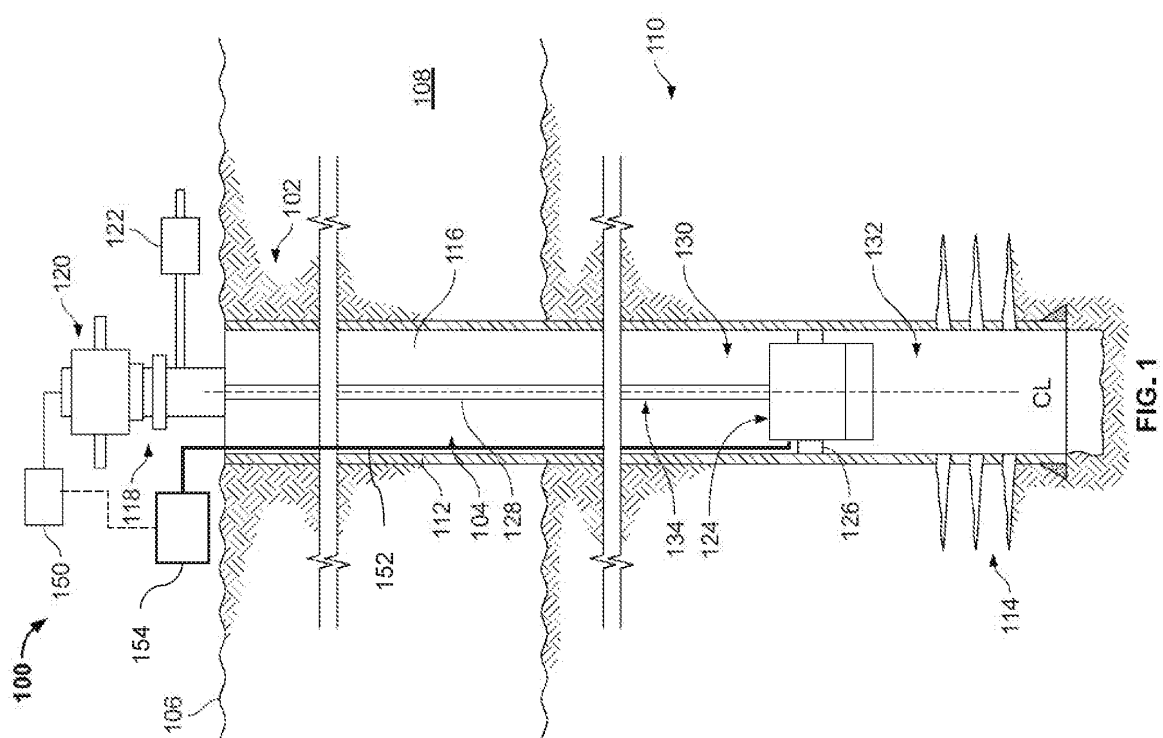


FIG. 2A

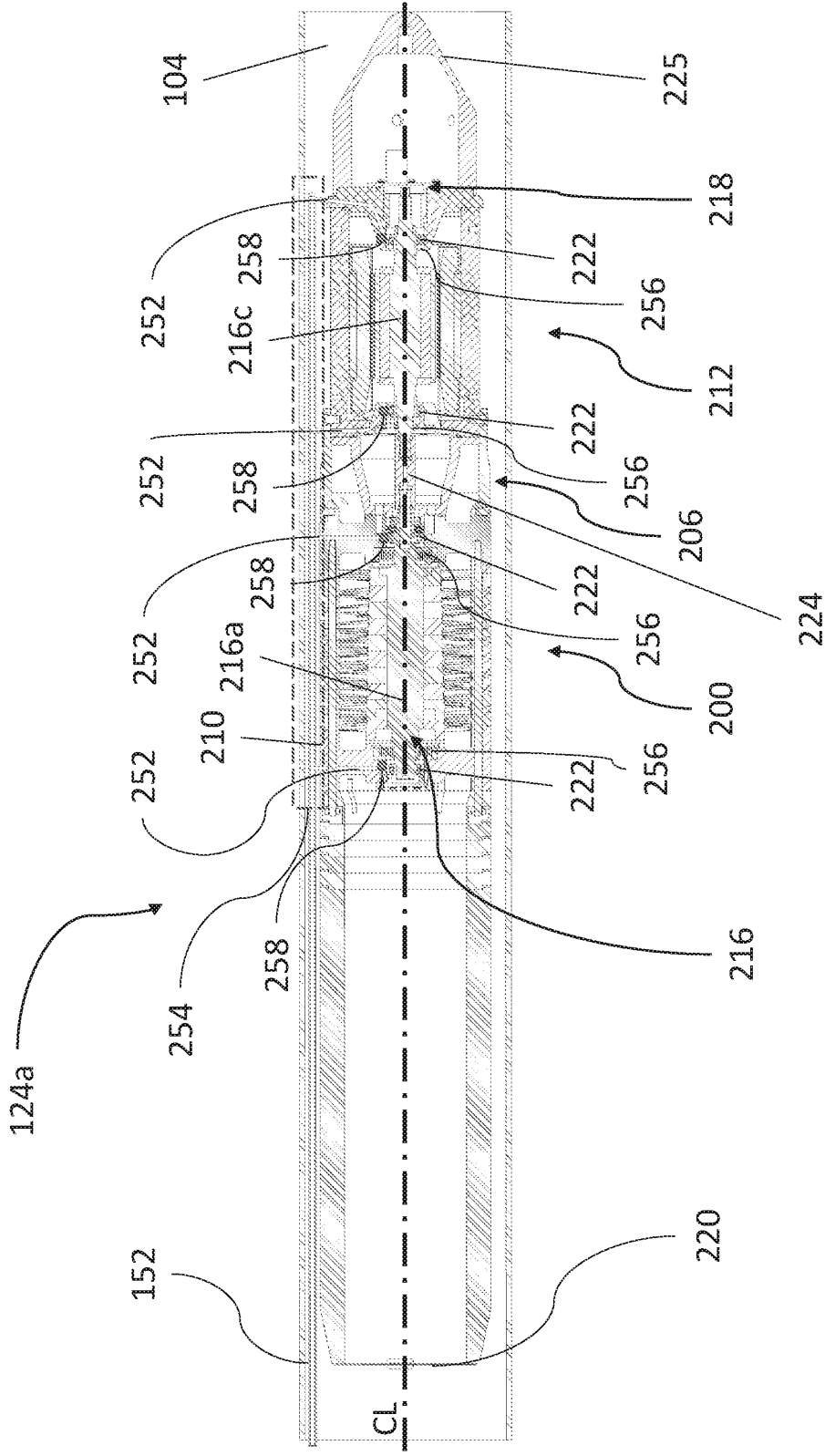
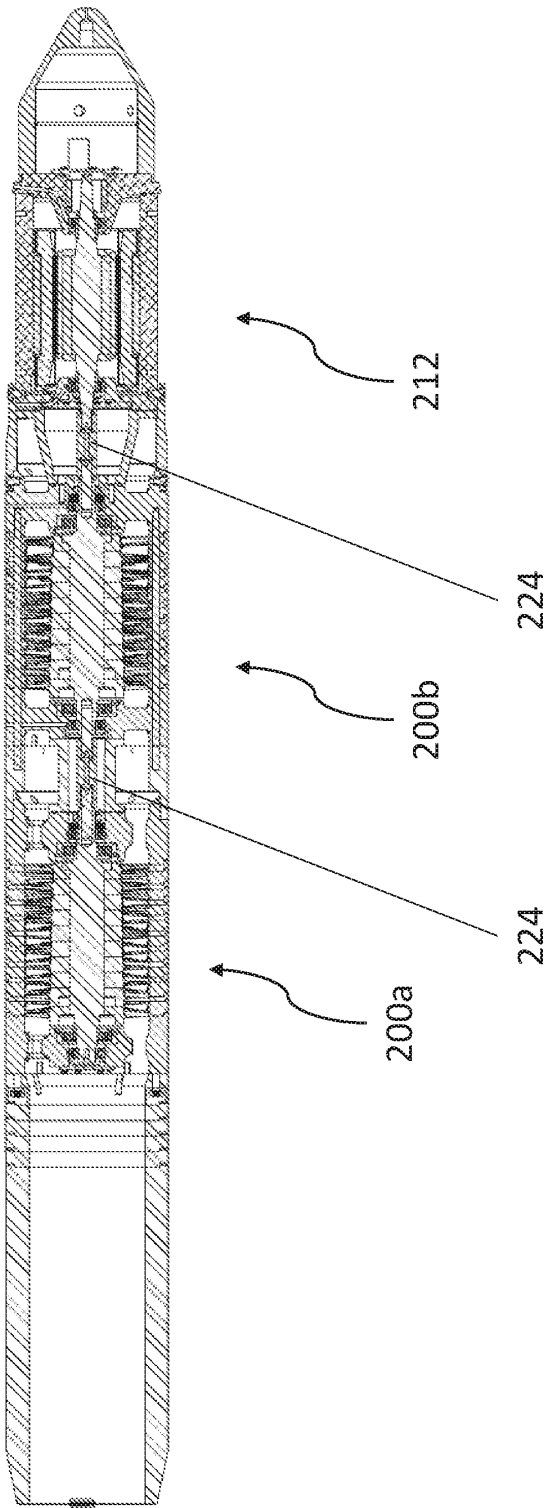
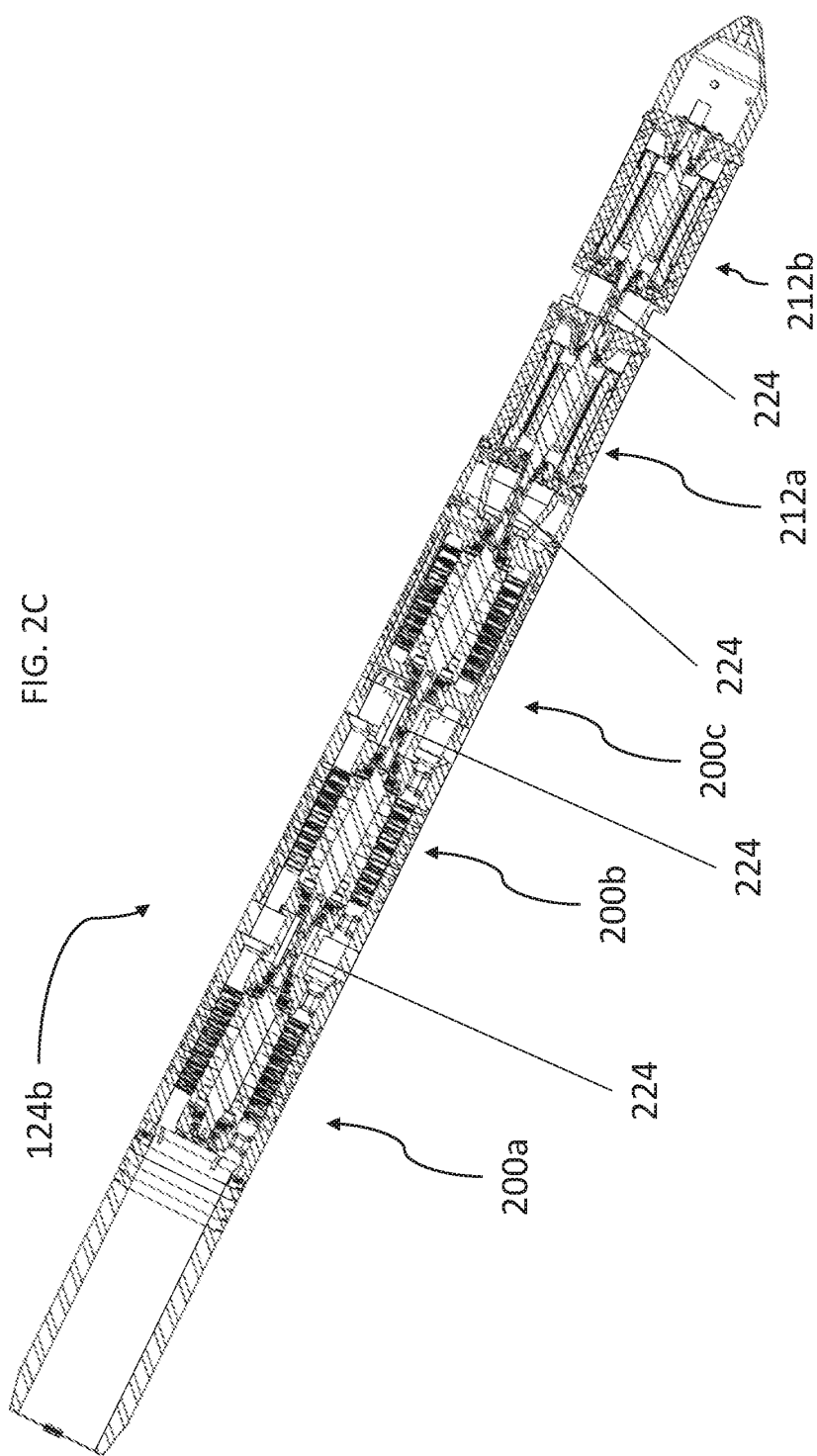


FIG. 2B





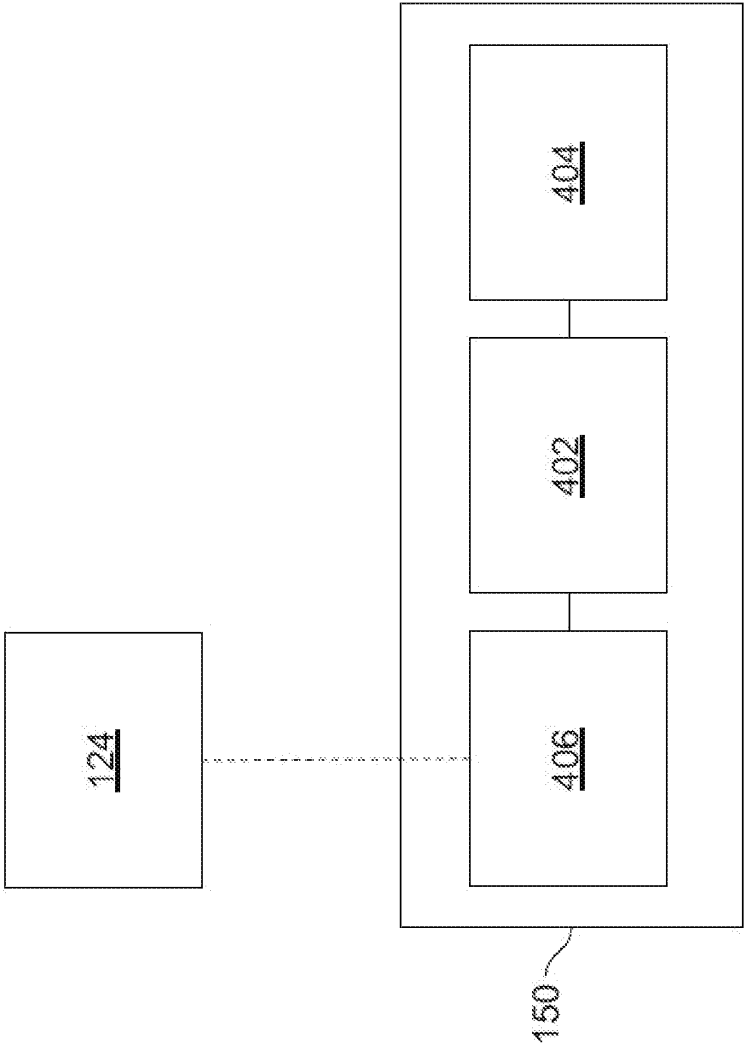


FIG. 3

500 

System (SCS/ESP)	Environment	
	Reactive	Active
	Characterization of Reservoir (well Testing) <u>502</u>	Adaptive System Control by Predicting Reservoir Performance <u>504</u>
	Reactive Diagnostics/Prognostics of Elements <u>506</u>	Optimization of the System Performance Under External Disturbances <u>508</u>

FIG. 4

FIG. 5

