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(54) Title: SYSTEM AND METHODS FOR FORMING AND MAINTAINING HIGH ENERGY AND TEMPERATURE FRC PLASMA VIA SPHEROMAK MERGING AND NEUTRAL BEAM INJECTION

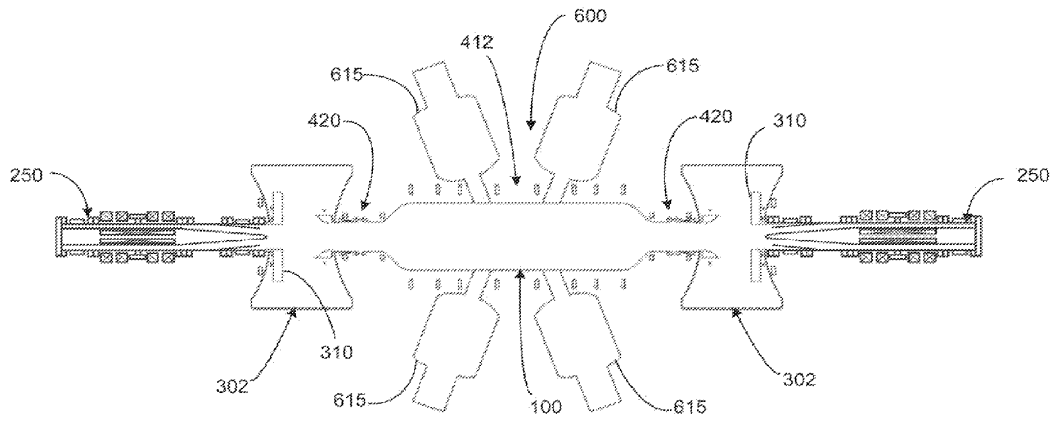


FIGURE 31B

(57) Abstract: A high performance field reversed configuration (FRC) system includes a central confinement chamber, two divertor chambers coupled to the chamber, and two diametrically opposed spheromak injectors coupled to the divertor chambers. A magnetic system includes quasi-dc coils axially positioned along the FRC system components.

[Continued on next page]

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