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[Continued on next page]

(54) Title: MAGNETIC FIELD PLASMA CONFINEMENT FOR COMPACT FUSION POWER REACTOR

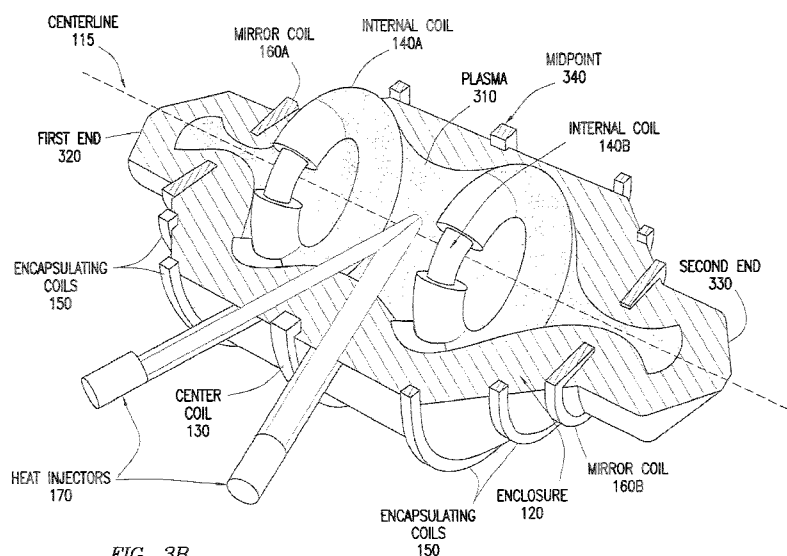


FIG. 3B

(57) Abstract: A fusion reactor (110) which includes a plurality of internal magnetic coils (140) suspended within an enclosure (120), one or more center magnetic coils (130) coaxial with the plurality of internal magnetic coils (140), a plurality of encapsulating magnetic coils (150) coaxial with the internal magnetic coils, and a plurality of mirror magnetic coils (160) coaxial with the internal magnetic coils. The encapsulating magnetic coils (150) maintain a magnetic wall that prevents plasma within the enclosure from expanding.



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