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(54) **Title: IMPROVEMENTS IN AND RELATING TO FUSION REACTOR FUEL RECOVERY**

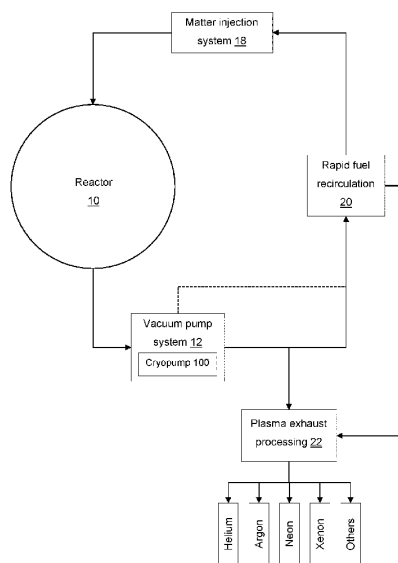


Fig. 2

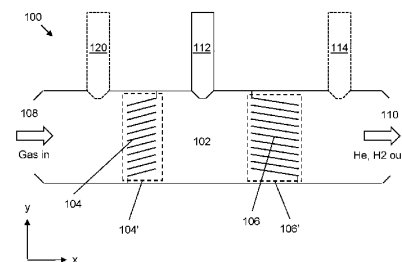


Fig. 3

(57) **Abstract:** A cryopump (100) for recovering fuel from exhaust gas of a nuclear fusion reactor (10) is described. The cryopump (100) comprises a chamber configured to receive the gas, a first panel (104) arranged in the chamber and cooled to a first temperature, wherein the first temperature is greater than 20 Kelvin, a second panel (106) arranged in the chamber and cooled to a second temperature, wherein the second temperature is in a range of 10 Kelvin to 20 Kelvin, and a valve configured to isolate the second panel from the first panel. The example cryopump (100) allows for quicker fuel recovery for the reactor and reduces operating energy costs.

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