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(54) Title: NEUTRAL PARTICLE GENERATOR

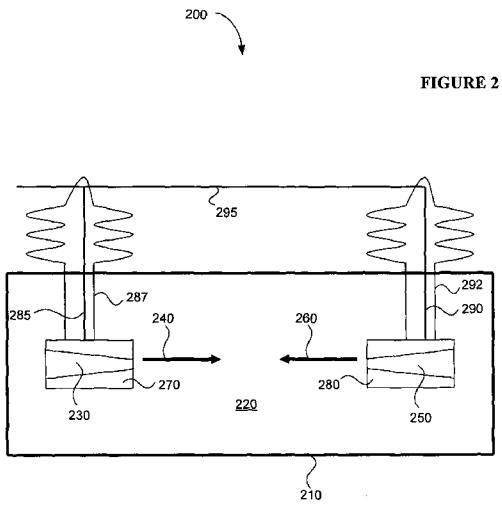


FIGURE 2

(57) Abstract: A neutral particle generator is disclosed that includes a container which holds a material in at least a partial plasma state, for example a Deuterium plasma. In one form, a first cathode is positioned within the container and produces a first beam of neutral particles directed away from the first cathode. Optionally, a second cathode is also positioned within the container and produces a second beam of neutral particles directed away from the second cathode, and/or a target is also positioned within the container. In one form, the first cathode and the second cathode are linearly opposed so that the first beam interacts/collides with the second beam resulting in fusion reactions of at least some of the neutral particles, which thereby results in generation of emitted neutrons.

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