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(54) Title: HIGH TEMPERATURE PEDESTAL WITH EXTENDED ELECTROSTATIC CHUCK ELECTRODE

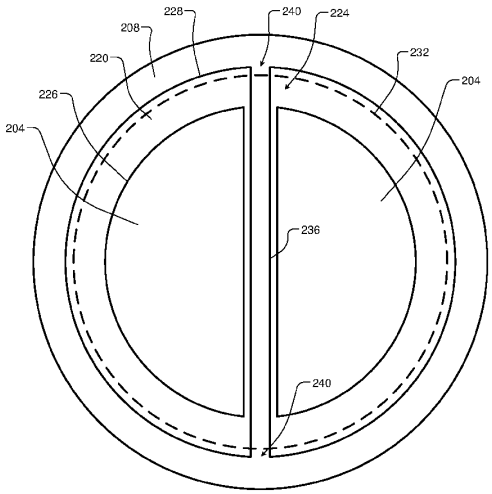

FIG. 2B

(57) Abstract: A substrate support configured to support a substrate having a diameter D comprises a first inner electrode and a second inner electrode that are each D- shaped, define a first outer diameter that is less than D, and are configured to be connected to an electrostatic chuck voltage to clamp the substrate to the substrate support. An outer electrode comprises a ring-shaped outer portion that surrounds the first inner electrode and the second inner electrode and a center portion that pass between the first inner electrode and the second inner electrode to connect to opposite sides of an inner diameter of the ring-shaped outer portion. The inner diameter of the ring-shaped outer portion is greater than the diameter D such that the inner diameter of the ring-shaped outer portion and intersections between the center portion and the ring-shaped outer portion are located radially outside of the diameter D of the substrate.

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