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(54) Title: FABRICATION OF A HIGH TEMPERATURE SHOWERHEAD

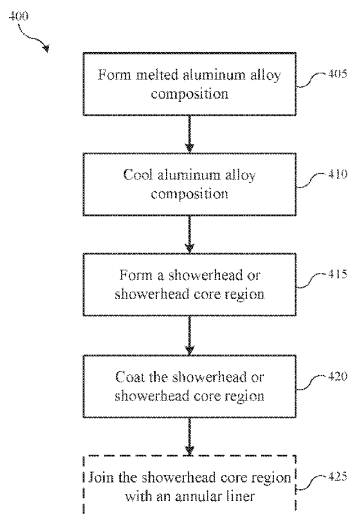


FIG. 4

(57) Abstract: Exemplary semiconductor processing chamber showerheads include an inner core region. The inner core region may define a plurality of apertures. The showerheads may include an outer core region disposed about an outer periphery of the inner core region. The outer core region may define an annular channel. The showerheads may include a heating element disposed within the annular channel. The showerheads may include an annular liner disposed about an outer periphery of the outer core region. The inner core region and the outer core region may include an aluminum alloy. The annular liner may have a lower thermal conductivity than the aluminum alloy.

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