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(54) Title: MULTI-VOLUME BAKING CHAMBER FOR MASK CLEAN

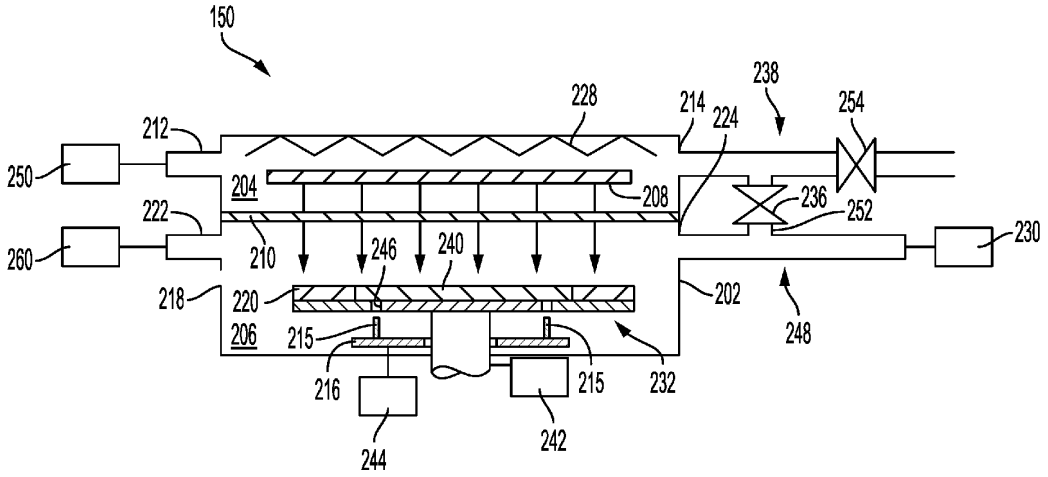


FIG. 2

(57) Abstract: Embodiments of baking chambers for baking a photomask are provided herein. In some embodiments, a baking chamber includes: a chamber body enclosing a first interior volume and a second interior volume, disposed beneath and fluidly independent from the first interior volume; a radiant heat source disposed in the first interior volume; a photomask support structure configured to support a photomask disposed in the second interior volume; a window disposed between the first interior volume the second interior volume, wherein the window is made of a material that is transparent to thermal radiation; a first gas inlet and a first gas outlet coupled to the first interior volume; and a second gas inlet and a second gas outlet coupled to the second interior volume on opposite ends thereof to facilitate flow of a process gas laterally through the second interior volume and across the photomask support structure.

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