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(54) Title: APPARATUS AND METHOD FOR PROVIDING A UNIFORM FLOW OF GAS

(57) Abstract: Outer distribution rings and gas distribution apparatus with outer distribution rings to deliver a gas flow to a process region of a process chamber are described. The outer distribution rings include at least one plenum in fluid communication with a plurality of openings forming a plurality of trenches to allow gas to flow from the plenum through the openings and down an inner peripheral face of the outer distribution ring.

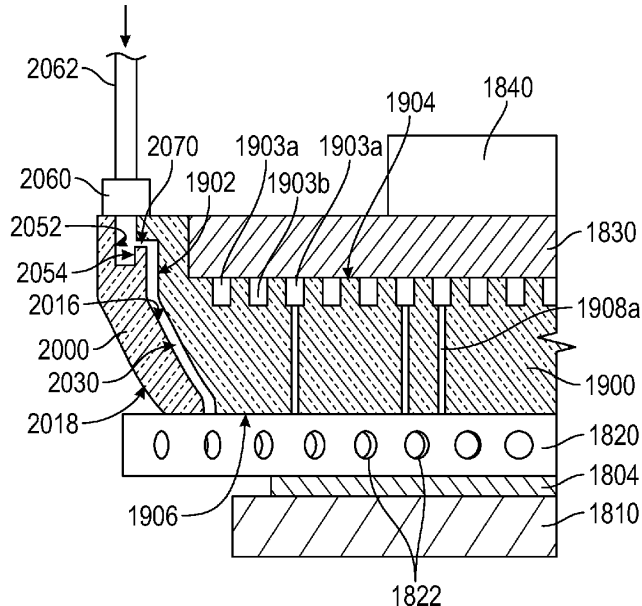


FIG. 19



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