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(54) Title: REMOTE PLASMA CLEAN (RPC) DELIVERY INLET ADAPTER

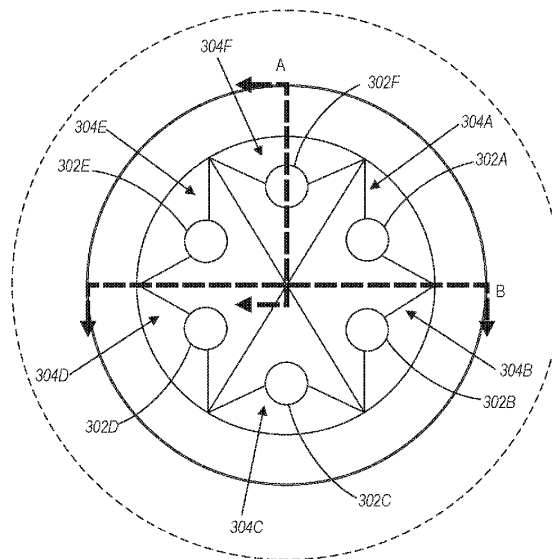


FIG. 3

(57) Abstract: A gas delivery apparatus includes an inlet portion and an outlet portion. The inlet portion can comprise a plurality of inlet ports configured to receive gas from a gas source. The inlet portion can also comprise a corresponding plurality of tapered surfaces associated with the plurality of inlet ports. Each tapered surface of the plurality of tapered surfaces surrounds a corresponding inlet port of the plurality of inlet ports. The outlet portion can be configured to deliver the gas to a gas showerhead of a process chamber. Each tapered surface of the plurality of tapered surfaces can comprise a first region and a second region. The first region is associated with a first curvature. The second region is associated with a second curvature. The first curvature can be different from the second curvature.

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