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(54) Title: PARTICLE TRAP FOR A PLASMA SOURCE

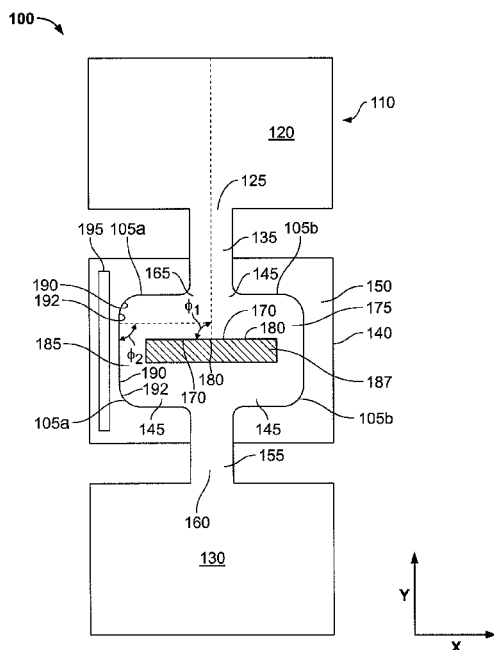


FIG. 1

(57) Abstract: A particle trap for a remote plasma source includes a body structure having an inlet for coupling to a chamber of a remote plasma source and an outlet for coupling to a process chamber inlet. The particle trap for a remote plasma source also includes a gas channel formed in the body structure and in fluid communication with the body structure inlet and the body structure outlet. The gas channel can define a path through the body structure that causes particles in a gas passing from a first portion of the channel to strike a wall that defines a second portion of the gas channel at an angle relative to a surface of the wall. A coolant member can be in thermal communication with the gas channel.



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