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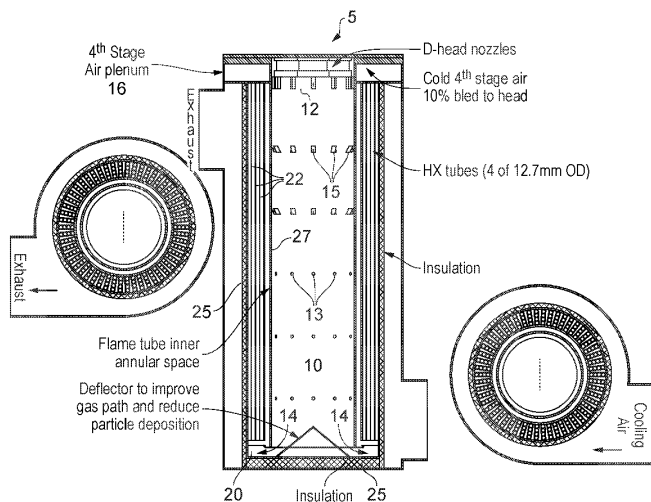


FIG. 1

(57) Abstract: A treatment apparatus for treating an effluent gas comprising: a combustion chamber; a burner; an inlet for receiving secondary combustion air; an exhaust gas outlet for outputting exhaust gases from the combustion chamber; and a heat exchanger. The heat exchanger is configured to exchange heat between a first fluid and a second fluid flowing through respective first and second fluid flow paths. The first fluid flow path is connected to the inlet such that the secondary combustion air flows from the inlet into the first fluid flow path and the second fluid flow path is connected to the outlet such that the exhaust gases received at the outlet flow into the second fluid flow path. The heat exchanger comprises a fluid flow communication path for providing a path for flow of a portion of the exhaust gases from the second fluid into the first fluid; and at least one inlet aperture for inputting the first fluid to the combustion chamber.

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