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(54) Title: A FOG (FATS, OILS, OR GREASE) SEPARATION APPARATUS

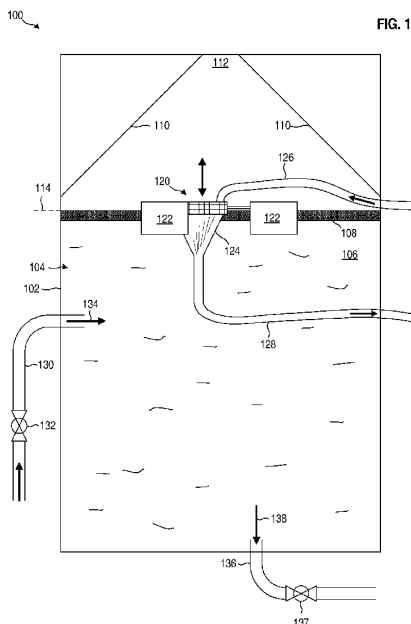


FIG. 1

(57) Abstract: A FOG (Fats, Oils, or Grease) separation apparatus includes a vessel defining a cavity to contain liquid comprising wastewater and FOG, the vessel having an upwardly inwardly inclined side or top wall so that the cavity tapers inwardly towards a top section. A floating weir is operable to float on the liquid within the vessel and configured to collect or separate lighter FOG from heavier wastewater. A liquid level control mechanism is configured to control a liquid level within the vessel, such that (1) when the liquid level is higher, a surface area of the liquid will be smaller due to the inwardly tapering cavity and the FOG will be concentrated in the smaller surface area and (2) when the liquid level is lower, the surface area of the liquid will be larger, and the FOG will be distributed in the larger surfaces area.

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