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(54) Title: VACUUM DISTILLATION APPARATUS

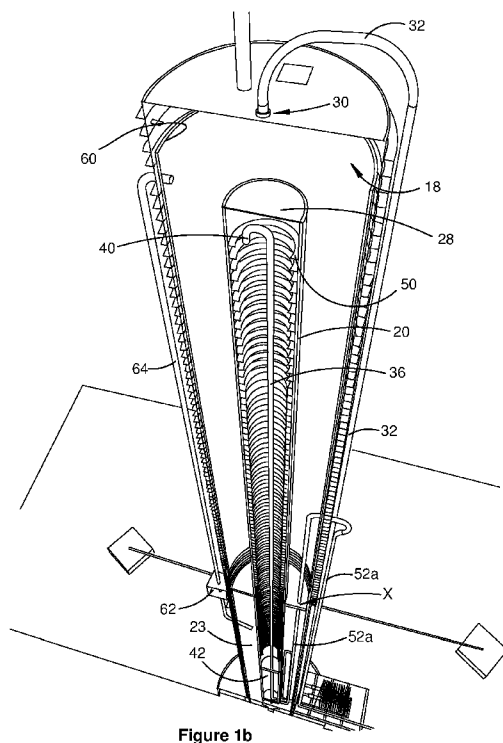


Figure 1b

(57) Abstract: A vacuum distillation apparatus for producing treated water from a supply of seed water, the apparatus including: an evaporation chamber for receiving and evaporating the seed water; a heat source for supplying heat to the evaporation chamber; a condensation chamber in fluid communication with the evaporation chamber for receiving and condensing the evaporated seed water; a pressure reducer in communication with the evaporation chamber for promoting evaporation of the seed water; and at least one cooling member disposed within the condensation chamber on which the evaporated seed water can condense, the cooling member being arranged to transfer condensed vapour for collection at a treated water outlet.



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