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(54) Title: RECLAMATION PROCESSES INCLUDING AZEOTROPIC AND OTHER CLOSE-BOILING THERMAL FLUIDS

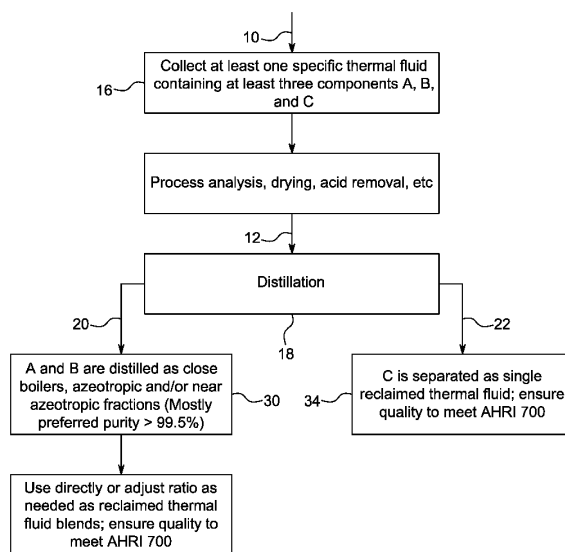


FIG. 1

(57) Abstract: A process of thermal fluid reclamation includes collecting a recovered thermal fluid including a plurality of refrigerant compounds. The process also includes testing the collected recovered thermal fluid and validating that the thermal fluid has greater than 99.5 wt% organic purity. The process further includes distilling the collected recovered thermal fluid to form at least one distillate including a first refrigerant compound and a second refrigerant compound of the plurality of refrigerant compounds as an azeotropic, near-azeotrope, or close-boiling reclaimed thermal fluid. The process yet further includes supplying the azeotropic, near-azeotrope, or close-boiling reclaimed thermal fluid for use in a heat transfer system or for formation of a thermal fluid product. In some cases, distilling the collected recovered thermal fluid also forms a distillate including a third refrigerant compound of the plurality of refrigerant compounds as a neat reclaimed thermal fluid.

[Continued on next page]

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