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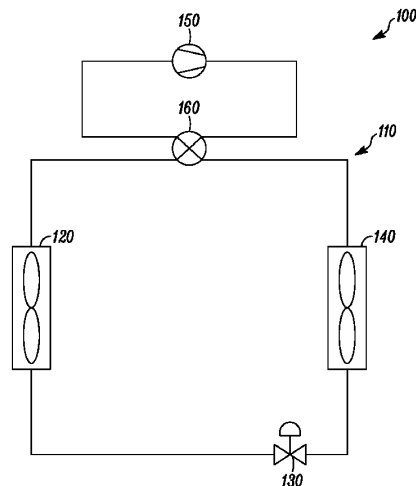


FIG. 1

(57) Abstract: Compositions containing HFO-1252zc for use in hybrid, mild hybrid, plug-in hybrid, or full electric vehicles for thermal management are provided. The compositions provide excellent performance for cooling and heating of the passenger compartment of these vehicles as compared to HFO-1234yf. Also included are methods of cooling and heating and heat pump systems.

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