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(54) Title: COMPOSITIONS

(57) Abstract: A composition comprising trifluoriodomethane (CF₃I) and 1,1-difluoroethylene (R-1132a) is described. The composition can also comprise additional compounds, such as at least one non-flammable compound selected from the group consisting of carbon dioxide (CO₂; R-744), tetrafluoromethane (R-14), trifluoromethane (R-23) and perfluoroethane (R-116) or at least one additional compound of lower volatility than 1,1-difluoroethylene selected from the group consisting of 1,1,2-trifluoroethylene (R-1123), difluoromethane (R-32), propane (R-290), propylene (R-1270), fluoroethane (R-161), pentafluoroethane (R-125), 1,1,1,2-tetrafluoroethane (R-134a), 2,3,3,3-tetrafluoropropene (R-1234yf), isobutane (R-600a), n-butane (R-600), trans-1,3,3,3-tetrafluoropropene (R-1234ze(E)), 3,3,3-trifluoropropene (R-1243zf), 1,2,3,3,3-pentafluoropropene (R-1225ye), 1,1,1,2,3,3,3-heptafluoropropene (R-227ea), 1,1-difluoroethane (R-152a), cis-1,3,3,3-tetrafluoropropene (R-1234ze(Z)), 1-chloro-3,3,3-trifluoropropene (R-1233zd(E/Z)) and 1,1,1,4,4,4-hexafluoro-2-butene (R-1336mzz(E/Z)). The compositions have utility as refrigerants in vapour compression heat transfer systems.



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