

Title (en)
REFRIGERATION CYCLE DEVICE

Title (de)
KÄLTEKREISLAUFVORRICHTUNG

Title (fr)
DISPOSITIF À CYCLE DE RÉFRIGÉRATION

Publication
EP 2746699 B1 20191218 (EN)

Application
EP 11871146 A 20110819

Priority
JP 2011004638 W 20110819

Abstract (en)
[origin: EP2746699A1] A refrigeration cycle apparatus is obtained which allows high accurate estimation of the composition of a refrigerant even when the detection accuracy of a used sensor is the same as that in an existing one. If an error equivalent to that for a first inlet temperature sensor 12 is observed in an outlet temperature TO that is a temperature detected by a first outlet temperature sensor 13, a constant-temperature line in a superheated gas state is sufficiently inclined as compared to a constant-temperature line in a two-phase gas-liquid refrigerant, and an enthalpy error Δh_{TO} caused with the error is sufficiently smaller than that in the case of a temperature sensor 103 in a related art example.

IPC 8 full level
F25B 1/00 (2006.01); **F25B 9/00** (2006.01); **F25B 49/00** (2006.01); **F25B 49/02** (2006.01)

CPC (source: EP)
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Cited by
EP3306238A1; EP4160119A4; EP4317840A4

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