

Title (en)
REFRIGERATION CYCLE

Title (de)
KÜHLKREISLAUF

Title (fr)
CYCLE FRIGORIFIQUE

Publication
EP 2314955 B1 20150902 (EN)

Application
EP 09770011 A 20090609

Priority
• JP 2009060488 W 20090609
• JP 2008168961 A 20080627

Abstract (en)
[origin: EP2314955A1] Provided is a refrigeration cycle wherein a compressor, a condenser, a depressurizing/expanding means and an evaporator are provided. The refrigeration cycle uses R1234 as a refrigerant, and has an oil separating means, which forcibly separates the refrigerant and oil one from the other, in a two-phase separation region wherein the refrigerant and the oil exist in a separated state without being dissolved with each other. The refrigerant and the oil can be forcibly separated suitably at a suitable position even when the refrigerant is changed to the new refrigerant R1234yf, and the refrigeration cycle can be operated at a high efficiency as a whole.

IPC 8 full level
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CPC (source: EP US)
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