

Title (en)
Oil separator

Title (de)
Ölabscheider

Title (fr)
Séparateur d'huile

Publication
EP 2910875 B1 20240306 (EN)

Application
EP 15153295 A 20150130

Priority
JP 2014025469 A 20140213

Abstract (en)
[origin: EP2910875A1] An oil separator separates refrigerating machine oil contained in a gas phase refrigerant by inertia force and centrifugal force. The oil separator includes a cylindrical pressure container, a refrigerant inlet pipe that leads the gas phase refrigerant containing the refrigerating machine oil into the pressure container, and a refrigerant outlet pipe that discharges the gas phase refrigerant from which the refrigerating machine oil is separated. An angle \pm between a straight line along the direction of the opening of a delivery port at a tip of the refrigerant inlet pipe introduced into the pressure container and a plane perpendicular to the central axis of the pressure container satisfies $45^\circ \leq \theta < 90^\circ$.

IPC 8 full level
F25B 43/02 (2006.01)

CPC (source: CN EP)
F25B 43/02 (2013.01 - CN EP); **F25B 2400/02** (2013.01 - CN EP); **F25B 2500/01** (2013.01 - CN EP)

Citation (examination)

- JP H09210509 A 19970812 - SANYO ELECTRIC CO
- JP H0610562 B2 19940209

Designated contracting state (EPC)
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EP 15153295 A 20150130; CN 201510013195 A 20150112; JP 2014254262 A 20141216; KR 20140182248 A 20141217