

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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DOCDB simple family (publication)  
**EP 2910875 A1 20150826; EP 2910875 B1 20240306**; CN 104848615 A 20150819; CN 104848615 B 20190514; JP 2015166668 A 20150924; JP 6403061 B2 20181010; KR 102183547 B1 20201126; KR 20150095550 A 20150821

DOCDB simple family (application)  
**EP 15153295 A 20150130**; CN 201510013195 A 20150112; JP 2014254262 A 20141216; KR 20140182248 A 20141217