

Title (en)
REFRIGERATION DEVICE

Title (de)
KÜHLVORRICHTUNG

Title (fr)
DISPOSITIF DE RÉFRIGÉRATION

Publication
EP 2998665 B1 20180321 (EN)

Application
EP 13884714 A 20130516

Priority
JP 2013063693 W 20130516

Abstract (en)
[origin: EP2998665A1] A refrigeration apparatus including a refrigeration cycle 100 including a compressor 101, a condenser 102, an expansion valve 103, and an evaporator 104 sequentially connected by pipes so that refrigerant circulates therein, an expansion tank 107 to collect the refrigerant and decreases a pressure of the refrigeration cycle 100, an oil return pipe 108 to return the refrigerant collected in the expansion tank 107 and oil stagnating in the expansion tank 107 to the refrigeration cycle 100, and a regulating valve 106 disposed in the oil return pipe 108 and configured to open and close to control a flow of the refrigerant, wherein the oil return pipe 108 connects a suction side of the compressor 101 and a lower part of the expansion tank 107.

IPC 8 full level
F25B 1/00 (2006.01); **F25B 7/00** (2006.01); **F25B 9/00** (2006.01); **F25B 31/00** (2006.01); **F25B 43/00** (2006.01); **F25B 43/02** (2006.01); **F25B 45/00** (2006.01)

CPC (source: EP)
F25B 7/00 (2013.01); **F25B 9/008** (2013.01); **F25B 31/004** (2013.01); **F25B 45/00** (2013.01); **F25B 43/006** (2013.01); **F25B 2400/16** (2013.01); **F25B 2600/2523** (2013.01)

Cited by
CN106679222A; CN113932504A

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