

Title (en)
REFRIGERATION DEVICE

Title (de)
KÜHLVORRICHTUNG

Title (fr)
DISPOSITIF DE RÉFRIGÉRATION

Publication
EP 3546850 A1 20191002 (EN)

Application
EP 17872915 A 20171122

Priority
• JP 2016227658 A 20161124
• JP 2017041919 W 20171122

Abstract (en)
Provided is a refrigeration apparatus that is capable of implementing a novel control method capable of suppressing occurrence of a situation in which a refrigerating machine oil from an oil separator is unsatisfactorily returned to a compressor and a discharge gas refrigerant is mostly returned to the compressor. An oil return valve (39) is disposed on an oil return pipe (38) connecting an oil separator (23) disposed on a discharge side of a compressor (21) to an injection pipe (30) for supplying a refrigerant to the compressor (21). A controller (70) controls the oil return valve (39) to reduce a flow rate when a temperature of the refrigerant discharged from the compressor (21) or a pressure of the refrigerant flowing through the injection pipe (30) satisfies a predetermined condition.

IPC 8 full level
F25B 1/00 (2006.01); **F25B 43/02** (2006.01)

CPC (source: EP US)
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Designated extension state (EPC)
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