

Title (en)
REFRIGERATION CYCLE APPARATUS

Title (de)
KÄLTEKREISLAUFVORRICHTUNG

Title (fr)
APPAREIL À CYCLE DE RÉFRIGÉRATION

Publication
EP 3121535 A1 20170125 (EN)

Application
EP 14886381 A 20140317

Priority
JP 2014057041 W 20140317

Abstract (en)
A refrigeration cycle apparatus includes a refrigeration cycle in which a compressor 10, a heat source-side heat exchanger 12, an expansion device 16, and a load-side heat exchanger 15 are connected by refrigerant pipes to circulate refrigerant. The refrigerant is a single-component refrigerant composed of 1,1,2-trifluoroethylene or a refrigerant mixture containing 1,1,2-trifluoroethylene. The compressor 10 has a compression chamber 47 and a motor 44 in a compressor shell 45. A resin material is used as an insulating material for the motor 44.

IPC 8 full level
F25B 1/00 (2006.01)

CPC (source: EP US)
F25B 1/04 (2013.01 - EP US); **F25B 13/00** (2013.01 - EP US); **F25B 31/002** (2013.01 - US); **F25B 31/026** (2013.01 - US); **F25B 43/00** (2013.01 - US); **F25B 2313/0233** (2013.01 - EP US); **F25B 2313/0314** (2013.01 - US); **F25B 2400/12** (2013.01 - US); **F25B 2500/06** (2013.01 - US); **F25B 2700/1931** (2013.01 - EP US); **F25B 2700/1933** (2013.01 - EP US)

Citation (search report)
See references of WO 2015140881A1

Cited by
CN112119269A; EP3795925A4

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)
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