

Title (en)
REFRIGERATION CYCLE DEVICE

Title (de)
KÄLTEKREISLAUFVORRICHTUNG

Title (fr)
DISPOSITIF À CYCLE DE RÉFRIGÉRATION

Publication
EP 3121539 B1 20181219 (EN)

Application
EP 15759078 A 20150227

Priority
• JP 2014056024 W 20140307
• JP 2015055855 W 20150227

Abstract (en)
[origin: EP3121539A1] When temperature is a high outside-air temperature, which is equal to or higher than a normal outside-air temperature, a refrigeration cycle apparatus (100A) causes refrigerant to flow through a branch circuit and an injection circuit to use a subcooling heat exchanger (22), and injects refrigerant having flowed through a secondary side of the subcooling heat exchanger (22) into a compressor (3).

IPC 8 full level
F25B 49/02 (2006.01); **F25B 41/04** (2006.01)

CPC (source: EP US)
F25B 41/20 (2021.01 - EP US); **F25B 41/24** (2021.01 - EP US); **F25B 41/385** (2021.01 - EP US); **F25B 41/39** (2021.01 - EP US); **F25B 49/02** (2013.01 - EP US); **F25B 2400/04** (2013.01 - EP); **F25B 2600/2501** (2013.01 - EP); **F25B 2600/2509** (2013.01 - EP); **F25B 2600/2513** (2013.01 - EP)

Cited by
EP3604981A4; US11209195B2

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

DOCDB simple family (publication)
EP 3121539 A1 20170125; EP 3121539 A4 20171227; EP 3121539 B1 20181219; JP 6188916 B2 20170830; JP WO2015133398 A1 20170406; WO 2015132967 A1 20150911; WO 2015133398 A1 20150911

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