

Title (en)
REFRIGERATION CIRCUIT

Title (de)
KÄLTEKREISLAUF

Title (fr)
CIRCUIT DE RÉFRIGÉRATION

Publication
EP 2623894 A1 20130807 (EN)

Application
EP 11828934 A 20110922

Priority
• JP 2010222719 A 20100930
• JP 2011071612 W 20110922

Abstract (en)
Provided is a refrigeration circuit wherein surplus refrigerant created during an air-cooling operation can be accommodated when the capacity of an outdoor heat exchanger is less than the capacity of an indoor heat exchanger. In a refrigeration circuit (11), an indoor heat exchanger (51) is a cross-fin type heat exchanger and an outdoor heat exchanger (25) is a stacked heat exchanger. A refrigerant storage tank (27) is provided between the outdoor heat exchanger (25) and an expansion valve (29). Because the capacity of the outdoor heat exchanger (25) is less than the capacity of the indoor heat exchanger (51), the surplus refrigerant is present during the air-cooling operation, but because the surplus refrigerant is accommodated in the refrigerant storage tank (27) in this refrigeration circuit (11), the surplus refrigerant is prevented from hindering refrigeration control.

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

CPC (source: EP KR US)
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F25B 2400/23 (2013.01 - EP US); **F25B 2500/01** (2013.01 - EP US); **F28D 2021/0068** (2013.01 - EP US)

Cited by
EP3115714A4; US10655900B2

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)
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