Title (en)

REFRIGERATION SYSTEM

Title (de)

KÜHLSYSTEM

Title (fr)

SYSTÈME DE RÉFRIGÉRATION

Publication

EP 2019269 A4 20140820 (EN)

Application

EP 07743279 A 20070514

Priority

- JP 2007059844 W 20070514
- JP 2006135257 A 20060515

Abstract (en)

[origin: EP2019269A1] There is disclosed a refrigeration apparatus capable of quickly collecting, in an expansion tank, a refrigerant in a refrigerant circuit during the stop of a compressor and capable of decreasing a load to be applied to the compressor during restart. A refrigeration apparatus 1 of the present invention includes a refrigerant circuit 38 in which the refrigerant discharged from a compressor 20 is condensed and then evaporated to exert a cooling function, and an expansion tank 65 connected to a pipe 20S of the compressor 20 on a suction side via a capillary tube 66, the capillary tube 66 is connected in parallel with a check valve 67, and the direction of the expansion tank 65 is the forward direction of the check valve.

IPC 8 full level

F25B 1/00 (2006.01); **F25B 7/00** (2006.01); **F25B 9/00** (2006.01); **F25B 41/00** (2006.01); **F25B 45/00** (2006.01)

CPC (source: EP KR US)

F25B 1/00 (2013.01 - KR); **F25B 7/00** (2013.01 - EP KR US); **F25B 9/006** (2013.01 - EP US); **F25B 41/00** (2013.01 - KR); **F25B 45/00** (2013.01 - EP US); F25B 2345/002 (2013.01 - EP US); F25B 2400/161 (2013.01 - EP US); F25B 2500/26 (2013.01 - EP US)

Citation (search report)

- [Y] EP 0516093 A1 19921202 - SANYO ELECTRIC CO [JP]
- [Y] JP S5724965 U 19820209
- See references of WO 2007132803A1

Cited by

EP4137754A4

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC MT NL PL PT RO SE SI SK TR

Designated extension state (EPC)

AL BA HR MK RS

DOCDB simple family (publication)

EP 2019269 A1 20090128; **EP 2019269 A4 20140820**; CN 101443601 A 20090527; CN 101443601 B 20101201; JP 2007303792 A 20071122; KR 20090008342 A 20090121; US 2009126389 A1 20090521; WO 2007132803 A1 20071122

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EP 07743279 A 20070514; CN 200780017411 A 20070514; JP 2006135257 A 20060515; JP 2007059844 W 20070514; KR 20087027847 A 20081114; US 30070307 A 20070514