

Title (en)

A switching device air conditioner and operation method thereof

Title (de)

Schaltschrank-Klimagerät und Verfahren zum Betreiben eines Solchen

Title (fr)

Appareil de climatisation d'un dispositif de commutation et une méthode d'utilisation de l'appareil

Publication

**EP 2199706 B1 20180103 (DE)**

Application

**EP 09014199 A 20091113**

Priority

DE 202008016671 U 20081217

Abstract (en)

[origin: EP2199706A1] The system has a cooling circuit for executing a compression operation, in which a cooling medium is compressed to a high-pressure level over a compressor (11) and supplied to a condenser (12) and cooled. A pump (16) is connected parallelly to an expansion valve (13) and provided for pumping the cooling medium without pressure change during an additional pump operation such that a heat transport takes place from a heat absorbing heat exchanger to a heat releasing heat exchanger according to a heat exchanger principle.

IPC 8 full level

**F25B 25/00** (2006.01); **F25B 41/00** (2006.01)

CPC (source: EP)

**F25B 25/00** (2013.01); **F25B 41/00** (2013.01); **F25B 2400/0401** (2013.01); **F25B 2400/0411** (2013.01); **F25B 2700/2104** (2013.01); **F25B 2700/2106** (2013.01)

Citation (examination)

- DE 10013039 A1 20011004 - LOH KG RITTAL WERK [DE]
- WO 2008082379 A1 20080710 - CARRIER CORP [US], et al

Cited by

CN103868264A; FR2972047A1; US12007149B2; WO2023001222A1; WO2022257825A1

Designated contracting state (EPC)

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 SE SI SK SM TR

DOCDB simple family (publication)

**DE 202008016671 U1 20090409**; EP 2199706 A1 20100623; EP 2199706 B1 20180103

DOCDB simple family (application)

**DE 202008016671 U 20081217**; EP 09014199 A 20091113