

Title (en)
Refrigeration and/or freezer device

Title (de)
Kühl- und/oder Gefriergerät

Title (fr)
Appareil de réfrigération et/ou de congélation

Publication
EP 2645018 A3 20170823 (DE)

Application
EP 13001613 A 20130328

Priority
DE 102012006383 A 20120401

Abstract (en)
[origin: EP2645018A2] The device has a refrigerant circuit including compressor (1), a condenser (2) for refrigeration of a refrigerated compartment, and capillaries (5a, 5b) arranged upstream of the condenser in a flow direction of a refrigerant. A multi-way valve (4) i.e. magnet valve, is arranged upstream of the capillaries. The valve is connected with the capillaries such that the refrigerant flows through the capillaries according to a valve position. A controlling or regulating unit is connected with the valve, and adjusts the valve position based on a cooling demand prevailing in the compartment. The capillaries are throttle elements. An independent claim is also included for a method for operating a refrigeration and/or freezer device.

IPC 8 full level
F25B 41/06 (2006.01)

CPC (source: EP US)
F25B 41/37 (2021.01 - EP US); **F25B 41/385** (2021.01 - EP US); **F25B 2600/2507** (2013.01 - EP); **F25B 2600/2513** (2013.01 - EP)

Citation (search report)

- [XY] US 2004216477 A1 20041104 - YAMASAKI HARUHISA [JP], et al
- [Y] US 5231847 A 19930803 - CUR NIHAT O [US], et al
- [X] EP 1923645 A1 20080521 - DAIREI CO LTD [JP], et al
- [A] US 5377498 A 19950103 - CUR NIHAT O [US], et al

Cited by
CN104061703A; CN105627686A; CN111457624A; CN105423586A; AU2014404815B2; WO2015197613A1

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)
BA ME

DOCDB simple family (publication)
EP 2645018 A2 20131002; EP 2645018 A3 20170823; DE 102013005476 A1 20131002

DOCDB simple family (application)
EP 13001613 A 20130328; DE 102013005476 A 20130328