

Title (en)
Refrigeration and/or freezer device

Title (de)
Kühl- und/oder Gefriergerät

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

Publication
EP 2363665 A3 20150429 (DE)

Application
EP 11001639 A 20110228

Priority
• DE 102010009710 A 20100301
• DE 102010018543 A 20100428

Abstract (en)
[origin: EP2363665A2] The device has a refrigerant circuit with three parallelly switched evaporators (30, 40, 50), which cools different compartments of the device. A compressor (70) guides refrigerant to the evaporators, and a control device i.e. 4-way valve (20), is movable in multiple positions (60). The control device is arranged upstream to the evaporators in a flow direction of the refrigerant such that the control device distributes the refrigerant to the evaporators. Lines of the circuit, which are diverted from the evaporators, communicate with each other and do not comprise a sealant. An independent claim is also included for a method for operating a cooling- and/or refrigeration device.

IPC 8 full level
F25B 5/02 (2006.01)

CPC (source: EP)
F25B 5/02 (2013.01); **F25B 2600/2511** (2013.01)

Citation (search report)
• [X1] DE 4100749 A1 19920716 - DANFOSS AS [DK]
• [X1] EP 2075516 A2 20090701 - MITSUBISHI HEAVY IND LTD [JP]
• [X1] US 2006137388 A1 20060629 - KAKEHASHI NOBUHARU [JP], et al
• [X1] DE 19547744 A1 19970626 - BOSCH SIEMENS HAUSGERAETE [DE]
• [X1] GB 2390419 A 20040107 - LG ELECTRONICS INC [KR]
• [X1] WO 2008120861 A1 20081009 - LG ELECTRONICS INC [KR], et al

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 2363665 A2 20110907; EP 2363665 A3 20150429; EP 2363665 B1 20190828; DE 102010018543 A1 20110901

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EP 11001639 A 20110228; DE 102010018543 A 20100428