

Title (en)
REFRIGERATION DEVICE COMPRISING MULTIPLE STORAGE CHAMBERS

Title (de)
KÄLTEGERÄT MIT MEHREREN LAGERKAMMERN

Title (fr)
APPAREIL DE FROID POURVU D'UNE PLURALITÉ DE COMPARTIMENTS DE STOCKAGE

Publication
EP 3417213 A1 20181226 (DE)

Application
EP 17702099 A 20170131

Priority
• DE 102016202565 A 20160219
• EP 2017051971 W 20170131

Abstract (en)
[origin: WO2017140488A1] A refrigeration device comprises at least a first storage chamber (17), a second storage chamber (18) and a refrigerant circuit, in which a first controllable throttle point (9), a first heat exchanger (10) for controlling the temperature of the first storage chamber (17), a second controllable throttle point (11) and a second heat exchanger (16) for cooling the second storage chamber (18) are connected in series between a pressure connection (2) and a suction connection (3). At least a hot line section (22, 26, 30), located upstream of the second heat exchanger (16), and a cold line section (21, 25), located downstream of the second heat exchanger (16), are routed in thermal contact with respect to one another in order to form an internal heat exchanger (23, 24, 29), and the first heat exchanger (10) is connected to the pressure connection (2) bypassing the hot line section (22, 26, 30).

IPC 8 full level
F25B 5/04 (2006.01); **F25B 5/00** (2006.01); **F25B 40/00** (2006.01); **F25D 11/02** (2006.01)

CPC (source: EP US)
F25B 5/00 (2013.01 - EP US); **F25B 5/02** (2013.01 - US); **F25B 40/00** (2013.01 - EP US); **F25B 41/385** (2021.01 - EP); **F25B 41/39** (2021.01 - EP); **F25B 49/02** (2013.01 - US); **F25D 11/022** (2013.01 - EP US); **F25B 41/385** (2021.01 - US); **F25B 41/39** (2021.01 - US); **F25B 2341/062** (2013.01 - EP US); **F25B 2400/052** (2013.01 - EP US); **F25B 2400/054** (2013.01 - EP US)

Citation (search report)
See references of WO 2017140488A1

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)
WO 2017140488 A1 20170824; CN 108700349 A 20181023; CN 108700349 B 20210112; DE 102016202565 A1 20170824; EP 3417213 A1 20181226; EP 3417213 B1 20231004; US 11092376 B2 20210817; US 2019032986 A1 20190131

DOCDB simple family (application)
EP 2017051971 W 20170131; CN 201780011987 A 20170131; DE 102016202565 A 20160219; EP 17702099 A 20170131; US 201716075814 A 20170131