

Title (en)
REFRIGERATION APPLIANCE

Title (de)
KÄLTEGERÄT

Title (fr)
APPAREIL DE FROID

Publication
EP 3931501 A1 20220105 (DE)

Application
EP 20702094 A 20200123

Priority
• DE 102019202649 A 20190227
• EP 2020051642 W 20200123

Abstract (en)
[origin: WO2020173626A1] The invention relates to a refrigeration appliance, in particular a domestic refrigeration appliance, comprising a condenser (4), at least one first evaporator (7) which cools a first storage compartment (23), a throttle point (6) which connects an outlet of the condenser (4) to an inlet of the first evaporator (7), and a collecting tank (8, 30) for liquid refrigerant overflowing from the first evaporator (7), which tank is connected to an outlet of the first evaporator (7) and is arranged in an environment warmer than the environment of the first evaporator (7), a temperature sensor (20) being associated with the collecting tank (8, 30), and the throttle point (6) comprising a controllable expansion valve (14) which is controlled on the basis of the temperature recorded by the temperature sensor (20).

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

CPC (source: EP)
F25B 5/04 (2013.01); **F25D 11/022** (2013.01); **F25D 23/069** (2013.01); **F25B 2400/16** (2013.01); **F25B 2500/12** (2013.01); **F25B 2600/2513** (2013.01); **F25B 2700/21175** (2013.01); **F25D 17/062** (2013.01); **F25D 2400/04** (2013.01)

Citation (search report)
See references of WO 2020173626A1

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)
DE 102019202649 A1 20200827; CN 113498469 A 20211012; CN 113498469 B 20230418; EP 3931501 A1 20220105; WO 2020173626 A1 20200903

DOCDB simple family (application)
DE 102019202649 A 20190227; CN 202080016591 A 20200123; EP 2020051642 W 20200123; EP 20702094 A 20200123