

Title (en)

REFRIGERATION APPLIANCE COMPRISING AN EVAPORATION TRAY AND A HEATING DEVICE FOR PROMOTING EVAPORATION

Title (de)

KÄLTEGERÄT MIT VERDUNSTUNGSSCHALE UND HEIZEINRICHTUNG ZUR VERDUNSTUNGSFÖRDERUNG

Title (fr)

APPAREIL DE FROID À BAC D'ÉVAPORATION ET DISPOSITIF DE CHAUFFE FAVORISANT L'ÉVAPORATION

Publication

EP 2769155 B1 20160309 (DE)

Application

EP 12780139 A 20121011

Priority

- DE 102011084718 A 20111018
- EP 2012070198 W 20121011

Abstract (en)

[origin: WO2013057039A2] A refrigeration appliance, especially a domestic refrigeration appliance, comprises at least one storage chamber (3), an evaporation tray (9) for evaporating condensed water carried off from the storage chamber (3), a temperature sensor (15) arranged on the evaporation tray (9), a control unit (13) connected to the temperature sensor (15) and a heating device (10) which can be operated by the control unit (13) to increase the evaporation rate in the evaporation tray (9). The control circuit (13) is designed to decide (S6; S6'), based on a change (T1-T0) in the temperatures (T0, T1) detected by the temperature sensor (15) during a measurement operating mode ([t0, t1], [t2, t3], [t4, t5]; S1-S5, S1-S5') of the heating device (10), whether operation of the heating device (10) is carried on or discontinued. An evaporation mode ([t5, t6]; S9) of the heating device (10) in which the evaporation tray (9) is heated up beyond the highest temperature (T1) measured during the measurement operating mode is only activated if the change (T1-T0) is less than a first threshold value (dTmin).

IPC 8 full level

F25D 21/14 (2006.01)

CPC (source: EP)

F25D 21/14 (2013.01); **F25D 2321/1413** (2013.01)

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

DOCDB simple family (publication)

DE 102011084718 A1 20130418; CN 103890510 A 20140625; CN 103890510 B 20161207; EP 2769155 A2 20140827; EP 2769155 B1 20160309; WO 2013057039 A2 20130425; WO 2013057039 A3 20130808

DOCDB simple family (application)

DE 102011084718 A 20111018; CN 201280051495 A 20121011; EP 12780139 A 20121011; EP 2012070198 W 20121011