

Title (en)
REFRIGERATION DEVICE COMPRISING CONTROLLED DE-HUMIDIFICATION

Title (de)
KÄLTEGERÄT MIT GESTEUERTER ENTFEUCHTUNG

Title (fr)
REFRIGERATEUR A DESHUMIDIFICATION COMMANDEE

Publication
EP 1636530 B1 20161207 (DE)

Application
EP 04739760 A 20040609

Priority
• EP 2004006256 W 20040609
• DE 10326329 A 20030611

Abstract (en)
[origin: WO2004109205A1] The invention relates to a no-frost refrigeration device comprising at least one storage compartment (1), an evaporator (5), which is alternately activated and deactivated and which is located in a chamber (8) that is separated from the storage compartment (1) and a fan (9) for circulating air between the storage compartment (1) and the chamber (5) of the evaporator (5). The average circulation power of the fan (9) during an activation phase of the evaporator can be varied in order to raise the temperature of the evaporator by increasing the circulation power, thus shortening the duration of the activation phases of the evaporator and reducing the humidity in the storage compartment, or in order to lower the temperature of the evaporator by reducing the circulation power, thus lengthening the duration of the activation phases of the evaporator and increasing the humidity in the storage compartment.

IPC 8 full level
F25D 17/04 (2006.01); **F25D 29/00** (2006.01); **F25D 17/06** (2006.01)

CPC (source: EP US)
F25D 17/042 (2013.01 - EP US); **F25D 29/00** (2013.01 - EP US); **F25B 2600/0251** (2013.01 - EP US); **F25B 2600/112** (2013.01 - EP US); **F25B 2700/02** (2013.01 - EP US); **F25D 17/062** (2013.01 - EP US); **F25D 2317/0411** (2013.01 - EP US); **F25D 2400/04** (2013.01 - EP US); **F25D 2700/12** (2013.01 - EP US); **F25D 2700/14** (2013.01 - EP US)

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)
WO 2004109205 A1 20041216; CN 101893363 A 20101124; CN 1806155 A 20060719; DE 10326329 A1 20041230; DE 20321771 U1 20091029; EP 1636530 A1 20060322; EP 1636530 B1 20161207; US 2007137227 A1 20070621

DOCDB simple family (application)
EP 2004006256 W 20040609; CN 200480016359 A 20040609; CN 201010243506 A 20040609; DE 10326329 A 20030611; DE 20321771 U 20030611; EP 04739760 A 20040609; US 56015604 A 20040609