

Title (en)
REFRIGERATING AND FREEZING DEVICE

Title (de)
KÜHL- UND GEFRIERVORRICHTUNG

Title (fr)
DISPOSITIF DE RÉFRIGÉRATION ET DE CONGÉLATION

Publication
EP 3951291 B1 20230510 (EN)

Application
EP 20805591 A 20200318

Priority
• CN 201910389730 A 20190510
• CN 2020079992 W 20200318

Abstract (en)
[origin: EP3951291A1] A refrigerating and freezing device, comprising: a first storage compartment which is divided into at least two storage spaces; a cooling chamber; an air path system which is provided with at least two air supply ports, at least two first air return ports and an on-off control device, each air supply port communicating with the cooling chamber and one storage space, each first air return port communicating with one storage space and the cooling chamber, and the on-off control device controlling airflow from the cooling chamber to flow towards one or more of the at least two air supply outlets so as to control all or part of the airflow to flow towards a corresponding storage space; and a gear generation device which is configured to generate at least two gear instruction groups, each gear instruction group comprising a plurality of gear instructions and correspondingly controlling one storage space, wherein each gear instruction comprises control information that causes the corresponding storage space to be at a target temperature so that the refrigerating and freezing device controls the on-off control device according to each gear instruction so as to control the temperature within the corresponding storage space.

IPC 8 full level
F25D 11/02 (2006.01); **F25D 17/04** (2006.01); **F25D 29/00** (2006.01)

CPC (source: CN EP KR)
F25D 11/02 (2013.01 - CN KR); **F25D 17/045** (2013.01 - EP); **F25D 17/065** (2013.01 - EP); **F25D 17/08** (2013.01 - CN KR);
F25D 25/02 (2013.01 - CN KR); **F25D 29/00** (2013.01 - CN KR); **F25D 2400/361** (2013.01 - EP KR); **F25D 2700/12** (2013.01 - CN KR);
F25D 2700/123 (2013.01 - EP)

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)
EP 3951291 A1 20220209; **EP 3951291 A4 20220615**; **EP 3951291 B1 20230510**; CN 111912153 A 20201110; JP 2022531013 A 20220705;
JP 7280978 B2 20230524; KR 102580949 B1 20230920; KR 20210152545 A 20211215; WO 2020228414 A1 20201119

DOCDB simple family (application)
EP 20805591 A 20200318; CN 201910389730 A 20190510; CN 2020079992 W 20200318; JP 2021565748 A 20200318;
KR 20217037188 A 20200318