

Title (en)

CONTROL METHOD AND DEVICE FOR REFRIGERATOR, AND REFRIGERATOR

Title (de)

STEUERVERFAHREN UND -VORRICHTUNG FÜR KÜHLSCHRANK UND KÜHLSCHRANK

Title (fr)

PROCÉDÉ ET DISPOSITIF DE COMMANDE POUR RÉFRIGÉRATEUR, ET RÉFRIGÉRATEUR

Publication

**EP 3832236 A4 20210825 (EN)**

Application

**EP 18945188 A 20181228**

Priority

CN 2018124968 W 20181228

Abstract (en)

[origin: EP3832236A1] A control method and device for a refrigerator (30), and the refrigerator (30). The refrigerator (30) comprises at least two compartments. The control method comprises: acquiring a compartment currently requesting cooling; after detecting and confirming a first set time, the compartment currently requesting cooling not being cooled, determining a currently cooled compartment, and interchanging currently set valve body rotation angles corresponding to the compartment currently requesting cooling and the currently cooled compartment requesting cooling. The present invention may solve the problem in which a refrigerator cannot be cooled normally due to a connection error between the capillary tube and a solenoid valve during the production of a multi-system refrigerator, and reduces the refrigerator repair rate, improves the refrigerator production efficiency, and reduces fabrication costs.

IPC 8 full level

**F25D 29/00** (2006.01); **F16K 31/06** (2006.01)

CPC (source: EP US)

**F25B 5/02** (2013.01 - US); **F25B 49/02** (2013.01 - EP US); **F25D 11/022** (2013.01 - EP US); **F25D 21/006** (2013.01 - US); **F25B 5/02** (2013.01 - EP); **F25B 41/40** (2021.01 - EP US); **F25B 2600/01** (2013.01 - EP US); **F25B 2600/2511** (2013.01 - EP US); **F25B 2700/2104** (2013.01 - EP US); **F25B 2700/21175** (2013.01 - EP US)

Citation (search report)

- [X] CN 1382949 A 20021204 - KELONG ELECTRIC APPLIANCE CO [CN]
- [X] EP 1424530 A1 20040602 - GUANGDONG KELON ELECTRONICAL H [CN]
- [X] US 2004003613 A1 20040108 - SHIN KYU-HO [KR], et al
- [X] JP 2000230766 A 20000822 - MATSUSHITA REFRIGERATION
- [X] JP 2004132635 A 20040430 - MITSUBISHI HEAVY IND LTD
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Citation (examination)

- EP 1182389 A1 20020227 - RANCO INC [US]
- See also references of WO 2020133244A1

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)

**EP 3832236 A1 20210609; EP 3832236 A4 20210825; US 2022011036 A1 20220113; WO 2020133244 A1 20200702**

DOCDB simple family (application)

**EP 18945188 A 20181228; CN 2018124968 W 20181228; US 201817296175 A 20181228**