

Title (en)

REFRIGERATOR DOOR BODY AND MANUFACTURING METHOD THEREFOR, AND REFRIGERATOR

Title (de)

KÜHLSCHRANKTÜRKÖRPER UND HERSTELLUNGSVERFAHREN DAFÜR SOWIE KÜHLSCHRANK

Title (fr)

CORPS DE PORTE DE RÉFRIGÉRATEUR ET SON PROCÉDÉ DE FABRICATION, ET RÉFRIGÉRATEUR

Publication

EP 4273482 A1 20231108 (EN)

Application

EP 21914640 A 20211230

Priority

- CN 202110002310 A 20210104
- CN 2021143131 W 20211230

Abstract (en)

The present invention provides a refrigerator door body, a method of manufacturing the same and a refrigerator. The refrigerator door body comprises: a door shell; a door liner engaged with a back surface of the door shell, the door liner defining an ice-making chamber for accommodating an ice-making assembly, a thermal insulation layer being filled between the door liner and the door shell, the door liner being provided with an opening communicated with the ice-making chamber; an upper door beam mounted on top of the door shell and the door liner; a bracket mounted below the upper door beam and configured to connect the ice-making assembly, a part of the bracket being attached to the door liner at a position corresponding to an outer circumference of the opening, another part of the bracket being exposed from the opening in the ice-making chamber; a refrigerant pipe extending into the ice-making chamber from a side of the door liner adjacent to a hinge of the door body, the refrigerant pipe comprising a fixed section adjacent to a pivoting side of the door body and a direct cooling section in contact with the ice-making assembly, the fixed section being supported on the bracket; a fixing member mounted on the bracket, the fixed section being limited between the fixing member and the bracket.

IPC 8 full level

F25D 23/02 (2006.01); **F25D 11/02** (2006.01); **F25D 23/12** (2006.01)

CPC (source: CN EP)

F25D 11/02 (2013.01 - CN); **F25D 17/06** (2013.01 - CN); **F25D 19/00** (2013.01 - CN); **F25D 23/02** (2013.01 - CN EP); **F25D 23/04** (2013.01 - EP); **F25D 23/064** (2013.01 - EP); **F25D 23/126** (2013.01 - EP); **F25C 2400/10** (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

Designated extension state (EPC)

BA ME

Designated validation state (EPC)

KH MA MD TN

DOCDB simple family (publication)

EP 4273482 A1 20231108; **EP 4273482 A4 20240529**; AU 2021413684 A1 20230720; AU 2021413684 A9 20240502; CN 114719516 A 20220708; CN 114719516 B 20230825; WO 2022143909 A1 20220707

DOCDB simple family (application)

EP 21914640 A 20211230; AU 2021413684 A 20211230; CN 202110002310 A 20210104; CN 2021143131 W 20211230