

Title (en)
Door structure for a refrigeration device

Title (de)
Türstruktur für eine Kühlvorrichtung

Title (fr)
Structure de porte pour un dispositif de réfrigération

Publication
EP 2889566 A1 20150701 (EN)

Application
EP 14199919 A 20141223

Priority
CN 201310753990 A 20131231

Abstract (en)
A refrigeration device and a door structure for the refrigeration device are provided. In the door structure, an opening (10) of a door housing (1) is provided on a side panel (12) and a front panel (11) which are connected to each other; after a recessed groove (20) of a door handle (2) is placed into the opening (10), a flange (21) along an opening of the recessed groove (20) is connected to the front panel (11) and the side panel (12) by an insertion-receiving structure, where the insertion-receiving structure limits the door handle (2) at least in two perpendicular dimensions of a surface of the front panel (11) and in a third dimension perpendicular to the surface of the front panel (11), or limits the door handle (2) at least in two perpendicular dimensions of a surface of the side panel (12) and in a third dimension perpendicular to the surface of the side panel (12). The door structure in the refrigeration device can position the door handle in all three dimensions of a three-dimensional coordinate system, thereby enhancing the firmness of the door handle.

IPC 8 full level
F25D 23/02 (2006.01); **E05B 1/00** (2006.01)

CPC (source: CN EP)
E05B 1/0015 (2013.01 - EP); **E05B 5/00** (2013.01 - CN); **F25D 23/02** (2013.01 - CN); **F25D 23/028** (2013.01 - CN EP); **F25D 2323/02** (2013.01 - CN)

Citation (search report)

- [XY] JP H0651772 U 19940715
- [X] EP 2385331 A1 20111109 - SAMSUNG ELECTRONICS CO LTD [KR]
- [X] EP 0781971 A1 19970702 - SANYO ELECTRIC CO [JP]
- [Y] DE 102010028414 A1 20111103 - BSH BOSCH SIEMENS HAUSGERAETE [DE]
- [Y] JP H03148579 A 19910625 - TOSHIBA CORP

Cited by
CN107449212A; CN107860166A; JPWO2018105086A1; WO2017208086A1; WO2018105086A1; US10663216B2

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 2889566 A1 20150701; **EP 2889566 B1 20180221**; CN 104748491 A 20150701; CN 104748491 B 20180925; PL 2889566 T3 20180731

DOCDB simple family (application)
EP 14199919 A 20141223; CN 201310753990 A 20131231; PL 14199919 T 20141223