

Title (en)
REFRIGERATION DEVICE

Title (de)
KÜHLVORRICHTUNG

Title (fr)
DISPOSITIF DE RÉFRIGÉRATION

Publication
EP 3104106 A1 20161214 (EN)

Application
EP 16170849 A 20160523

Priority
CN 201510310469 A 20150608

Abstract (en)
The present invention proposes a refrigeration device, including: a door, having a pair of rails; a door bin, moving along the rails in a vertical direction; and a retaining mechanism, for stopping, in at least one direction, the door shelf at a join-up position on the rail, characterized by further including a synchronization mechanism for making the door shelf move along the rails synchronously in the vertical direction. The synchronization mechanism is disposed, so that during a process in which the door shelf moves in the vertical direction on the rails, left and right sides of the door shelf can move by a same height stably and synchronously in the vertical direction, and a situation in which the door shelf inclines because one side of the left and right sides of the door shelf is high while the other side is low does not occur; moreover, a user easily and conveniently adjusts the door shelf as well, and can move the door shelf stably and synchronously in the vertical direction by means of one-hand adjustment.

IPC 8 full level
F25D 23/04 (2006.01)

CPC (source: EP)
F25D 23/04 (2013.01)

Citation (applicant)
CN 101978233 B 20130731 - BSH BOSCH SIEMENS HAUSGERAETE

Citation (search report)
• [X] EP 2489967 A1 20120822 - ELECTROLUX HOME PROD CORP [BE]
• [X] DE 202007013412 U1 20090212 - LIEBHERR HAUSGERAETE LIENZ [AT]
• [X] DE 202007013355 U1 20080925 - LIEBHERR HAUSGERAETE [DE]

Cited by
DE102019115617A1; JP2019187271A; US11448457B2; JP2021076351A; CN109084520A; JP2021076350A

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 3104106 A1 20161214; EP 3104106 B1 20230419; CN 106288627 A 20170104; CN 106288627 B 20191220

DOCDB simple family (application)
EP 16170849 A 20160523; CN 201510310469 A 20150608