

Title (en)

DEVICE FOR GUIDING AND SUPPORTING A FURNITURE DOOR WITH DOWNWARD FLAP OPENING

Title (de)

VORRICHTUNG ZUM FÜHREN UND STÜTZEN EINER MÖBELTÜR MIT NACH UNTEN GEÖFFNETER KLAPPE

Title (fr)

DISPOSITIF DE GUIDAGE ET DE SUPPORT D'UNE PORTE DE MEUBLE AVEC OUVERTURE À RABAT ORIENTÉE VERS LE BAS

Publication

**EP 3803011 B1 20220608 (EN)**

Application

**EP 19720921 A 20190506**

Priority

- IT 201800006078 A 20180606
- EP 2019061580 W 20190506

Abstract (en)

[origin: WO2019233686A1] Device (1) for guiding and supporting a furniture door (16) with downward flap opening, comprising a container body (10) that can be fixed on the inner face of a shoulder (12) of a furniture frame (14) and a fastening element (13) constrained to the inner face of the door (16), operatively connected to the container body (10) by means of a cable (11) wound around a toothed pulley (60) meshing with a toothed rack profile (32), wherein said toothed pulley (60) has a fixed axis and said rack (32) is provided on a slide (30) movable in translation in contrast to or assisted by a spring (40) to cause the unwinding or winding of the cable (11), during the opening and closing phase of the door, respectively.

IPC 8 full level

**E05F 1/10** (2006.01)

CPC (source: EP)

**E05F 1/1058** (2013.01); **E05F 1/1075** (2013.01); **E05Y 2201/21** (2013.01); **E05Y 2201/212** (2013.01); **E05Y 2201/264** (2013.01); **E05Y 2201/654** (2013.01); **E05Y 2201/716** (2013.01); **E05Y 2201/722** (2013.01); **E05Y 2900/20** (2013.01)

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)

**WO 2019233686 A1 20191212**; CN 112236573 A 20210115; CN 112236573 B 20220722; EP 3803011 A1 20210414; EP 3803011 B1 20220608; IT 201800006078 A1 20191206

DOCDB simple family (application)

**EP 2019061580 W 20190506**; CN 201980037595 A 20190506; EP 19720921 A 20190506; IT 201800006078 A 20180606