

Title (en)

SLIDING-PIVOTING MECHANISM OF A SHELF OF A PIECE OF FURNITURE OR OF A HOUSEHOLD APPLIANCE, AND PIECE OF FURNITURE OR HOUSEHOLD APPLIANCE

Title (de)

SCHIEBE-SCHWENKMECHANIK EINER ABLAGE EINES MÖBELS ODER HAUSHALTSGERÄTES UND MÖBEL ODER HAUSHALTSGERÄT

Title (fr)

MÉCANISME DE COULISSEMENT ET DE PIVOTEMENT D'UNE TABLETTE/CLAYETTE D'UN MEUBLE OU D'UN APPAREIL ÉLECTROMÉNAGER, ET MEUBLE OU APPAREIL ÉLECTROMÉNAGER

Publication

EP 3793407 A1 20210324 (DE)

Application

EP 19722119 A 20190506

Priority

- DE 102018111672 A 20180515
- DE 102018132802 A 20181219
- EP 2019061555 W 20190506

Abstract (en)

[origin: WO2019219433A1] The invention relates to a sliding-pivoting mechanism of a shelf (4) of a piece of furniture or of a household appliance (1) for extracting and raising the shelf (4) out of a body (2) of the piece of furniture or of the household appliance (1), comprising at least two pivot arms (41, 42) of a pivoting mechanism (4), which are rotatably fixed by a first end to at least one of the side walls (21) of the body (2), parallel to the plane of the side walls (21), and which are arranged parallel to and at a distance from each other, wherein, at respective second ends of the pivot arms (41, 42), a guide rail (31) of a sliding mechanism (3) is pivotably fixed parallel to the plane of the side walls (21) such that the guide rail (31) can be pivoted from a lower position within the body (2) into a raised, upper position at least partially outside the body (2), at least one running rail (32) that is linearly displaceable in the guide rail (31) and to which the shelf (9) is fixed, wherein said sliding-pivoting mechanism comprises a lever unit (5) which supports the raising and lowering of the pivoting mechanism (4) and is pivotably fixed to the running rail (32) parallel to the plane of the side walls (21), wherein at least one coupling element of a first coupling unit (7) is arranged on the lever unit (5) such that the coupling element can be coupled to at least one of the pivot arms (41, 42) with a corresponding element of the first coupling unit (7), which corresponds to the coupling element, by displacing the running rail (32) into a predetermined pivoting position. The invention further relates to a piece of furniture having a sliding-pivoting mechanism and to a household appliance having a sliding-pivoting mechanism.

IPC 8 full level

A47B 46/00 (2006.01); **A47L 15/50** (2006.01)

CPC (source: EP KR US)

A47B 46/005 (2013.01 - EP KR); **A47B 88/407** (2016.12 - US); **A47B 88/437** (2016.12 - US); **A47L 15/506** (2013.01 - EP KR US); **A47L 15/507** (2013.01 - EP KR US); **F24C 15/16** (2013.01 - US); **F25D 25/025** (2013.01 - US); **A47B 2088/901** (2016.12 - EP KR); **A47B 2210/0037** (2013.01 - US); **A47B 2210/0056** (2013.01 - US); **A47B 2210/04** (2013.01 - EP KR); **A47B 2210/17** (2013.01 - EP KR)

Citation (search report)

See references of WO 2019219433A1

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)

DE 102018132802 A1 20191121; CN 112118769 A 20201222; CN 112118769 B 20221122; EP 3793407 A1 20210324; EP 3793407 B1 20230301; JP 2021524301 A 20210913; JP 7385601 B2 20231122; KR 20210008850 A 20210125; PL 3793407 T3 20230710; US 11445823 B2 20220920; US 2021212459 A1 20210715; WO 2019219433 A1 20191121

DOCDB simple family (application)

DE 102018132802 A 20181219; CN 201980032538 A 20190506; EP 19722119 A 20190506; EP 2019061555 W 20190506; JP 2020564479 A 20190506; KR 20207035277 A 20190506; PL 19722119 T 20190506; US 201917055363 A 20190506