

Title (en)  
SLIDING-PIVOTING MECHANISM FOR A RACK OF A PIECE OF FURNITURE OR OF A DOMESTIC APPLIANCE, AND PIECE OF FURNITURE OR DOMESTIC APPLIANCE

Title (de)  
SCHIEBE-SCHWENKMECHANIK FÜR EINE ABLAGE EINES MÖBELS ODER HAUSHALTSGERÄTES UND MÖBEL BZW. HAUSHALTSGERÄT

Title (fr)  
MÉCANISME DE COULISSEMENT ET DE PIVOTEMENT D'UNE TABLETTE D'UN MEUBLE OU D'UN APPAREIL ÉLECTROMÉNAGER, ET MEUBLE OU APPAREIL ÉLECTROMÉNAGER

Publication  
**EP 3941310 B1 20221130 (DE)**

Application  
**EP 20709179 A 20200304**

Priority  
• DE 102019107385 A 20190322  
• EP 2020055683 W 20200304

Abstract (en)  
[origin: WO2020193093A1] A sliding-pivoting mechanism for a rack (10) of a piece of furniture or of a domestic appliance (1) for pulling out and lifting the rack (10) from a carcass (2) of the piece of furniture or domestic appliance (1) comprises at least two pivot arms (4, 5) which are pivotably secured to the carcass (2), are arranged parallel to one another and form a parallel guide for a pull-out guide (3), wherein the pull-out guide (3) comprises at least one guide rail (31) and a running rail (32) which is displaceable relative to the guide rail (31) and to which the rack (10) is fastened; a locking mechanism which is arranged on the guide rail (31) and on one of the pivot arms (4, 5) and intended for preventing a simultaneous pivoting and sliding movement, wherein the locking mechanism comprises a locking pin (53) which is arranged movably on one of the pivot arms (4, 5); and a locking plate (7) which is mounted in a positionally fixed manner with respect to the guide rail (31) and with which the locking pin (53) interacts in such a way that a pivoting movement of the pivot arms (4, 5) is blocked if the rack (10) is lifted into an upper loading and unloading position, wherein an unlocking device (8) coupled to the locking mechanism is provided with an actuating element (81) and an unlocking element (83) by means of which the locking pin (53) can be moved from a blocking position into a release position; and a supporting device having a guide element (52), which is arranged on one of the pivot arms (4, 5), and having a support element (65', 85) which is arranged on the rack (10) and can be moved relative to the guide element (52) and can be supported in a supporting position on the guide element (52). Also described is a piece of furniture or domestic appliance.

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 96/07** (2013.01 - US); **A47L 15/506** (2013.01 - EP KR US); **A47L 15/507** (2013.01 - KR US); **A47B 2088/901** (2017.01 - EP KR US); **A47L 15/507** (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

DOCDB simple family (publication)  
**DE 102019107385 A1 20200924**; CN 113490439 A 20211008; CN 113490439 B 20230620; EP 3941310 A1 20220126; EP 3941310 B1 20221130; KR 20210142162 A 20211124; PL 3941310 T3 20230306; US 11963650 B2 20240423; US 2022160205 A1 20220526; WO 2020193093 A1 20201001

DOCDB simple family (application)  
**DE 102019107385 A 20190322**; CN 202080016231 A 20200304; EP 2020055683 W 20200304; EP 20709179 A 20200304; KR 20217034244 A 20200304; PL 20709179 T 20200304; US 202017441337 A 20200304