

Title (en)
SLIDING AND PIVOTING MECHANISM OF A RACK OF AN ITEM OF FURNITURE, ITEM OF FURNITURE AND DOMESTIC APPLIANCE

Title (de)
SCHIEBE-SCHWENKMECHANIK EINER ABLAGE EINES MÖBELS, MÖBEL UND HAUSHALTSGERÄT

Title (fr)
MÉCANIQUE DE COULISSEMENT ET DE PIVOTEMENT D'UNE ÉTAGÈRE D'UN MEUBLE, MEUBLE ET APPAREIL MÉNAGER

Publication
EP 2890271 A1 20150708 (DE)

Application
EP 13752649 A 20130826

Priority
• DE 102012107993 A 20120829
• EP 2013067646 W 20130826

Abstract (en)
[origin: WO2014033092A1] A sliding and pivoting mechanism of a rack (15) of an item of furniture or domestic appliance for extending and raising the rack (15) out of a body (2) of the item of furniture or domestic appliance, having at least two pivoting arms (3, 4) which are fixed rotatably to at least one of the side walls (21, 22) of the body (2) with a first end parallel to the plane of the side walls (21, 22), and are arranged spaced apart parallel to each other, wherein a guide rail (5) is fixed pivotably to respective second ends of the pivoting arms (3, 4) parallel to the plane of the side walls (21, 22) in such a manner that the guide rail (5) can be pivoted out of a lower position within the body (2) into a raised, upper position at least partially outside the body (2), and at least one running rail (6) which is displaceable linearly in the guide rail (5) and to which the rack (15) is fastened, wherein the sliding and pivoting mechanism has a locking mechanism which is arranged on the guide rail (5) and on one of the pivoting arms (3, 4) and is actuatable by an activator (7) fixed on the running rail (6) in order to prevent a simultaneous pivoting and sliding movement of the running rail (6).

IPC 8 full level
A47B 96/07 (2006.01); **A47B 46/00** (2006.01); **A47B 88/48** (2017.01); **A47L 15/50** (2006.01)

CPC (source: CN EP US)
A47B 46/005 (2013.01 - CN EP US); **A47B 96/07** (2013.01 - US); **A47L 15/504** (2013.01 - US); **A47L 15/506** (2013.01 - CN EP US);
A47L 15/507 (2013.01 - CN EP US)

Citation (search report)
See references of WO 2014033092A1

Cited by
DE102017110487A1; DE102019107385A1; DE102019107389A1; CN113423305A; WO2018210566A1; WO2020193093A1; US11963650B2;
WO2020193094A1; US11889967B2; DE102018111657A1; WO2019030067A1

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)
WO 2014033092 A1 20140306; CN 104602567 A 20150506; DE 102012107993 A1 20140306; EP 2890271 A1 20150708;
EP 2890271 B1 20161012; ES 2610753 T3 20170503; JP 2015534470 A 20151203; JP 6196306 B2 20170913; KR 20150048800 A 20150507;
PL 2890271 T3 20170731; PT 2890271 T 20170123; US 2015305493 A1 20151029; US 9420882 B2 20160823

DOCDB simple family (application)
EP 2013067646 W 20130826; CN 201380045213 A 20130826; DE 102012107993 A 20120829; EP 13752649 A 20130826;
ES 13752649 T 20130826; JP 2015528981 A 20130826; KR 20157007387 A 20130826; PL 13752649 T 20130826; PT 13752649 T 20130826;
US 201314423899 A 20130826