

Title (en)

DRAWER OPENING GUIDE COMPRISING AN AUTOMATIC RETRACTING DEVICE WITH AN INTEGRATED DAMPING MECHANISM

Title (de)

SCHUBLADEN-AUSZIEHFÜHRUNG MIT EINZUGSAUTOMATIK MIT INTEGRIERTER DÄMPFUNG

Title (fr)

GLISSIERE DE SORTIE DE TIROIR EQUIPEE D'UN SYSTEME AUTOMATIQUE DE RENTREE A AMORTISSEMENT INTEGRE

Publication

**EP 1648265 A1 20060426 (DE)**

Application

**EP 04763540 A 20040728**

Priority

- EP 2004008411 W 20040728
- DE 20311795 U 20030731

Abstract (en)

[origin: US2006238089A1] Drawer pull-out guide ( 10 ) provided with an automatic retraction device ( 20 ) and with a guide rail ( 12 ) to be fixed on a carcass wall of a piece of furniture and a running rail ( 16 ) which is movably mounted relative to the guide rail ( 12 ) and to be fixed on the drawer. A pawl component ( 24 ) which is movable between two end positions which are spaced from one another in the direction of movement of the drawer is provided in a pawl housing ( 22 ) disposed on one of the two aforementioned rails, wherein the pawl component ( 24 ) is biased into one end position and can be locked in the other end position and co-operates with a catch ( 28 ) which is provided on the other rail and which moves into a receptacle ( 26 ) of the pawl component as the rails move relative to each other when approaching the closed position and disengages the pretensioned movable pawl component ( 24 ) from the associated end position so that the pawl component is moved under the effect of spring tension into the other end position and thereby entrains the associated rail by way of the catch. A damper ( 38 ) which damps and/or slows down the retraction movement of the pawl component engages on or in the pawl housing ( 22 ). An entraining rocker ( 40 ) which is coupled to the pawl component ( 24 ) and is movable during a final part of the retraction movement of the pawl component is additionally provided in the pawl housing and during the initial displacement path of the pawl component ( 24 ) is decoupled therefrom and is retained so that it is secured against longitudinal displacement in the pawl housing ( 22 ). A separate spring which biases the entraining rocker in the direction of retraction engages on the entraining rocker.

IPC 1-7

**A47B 88/04**

IPC 8 full level

**A47B 88/04** (2006.01); **A47B 88/12** (2006.01); **A47B 88/49** (2017.01)

CPC (source: EP US)

**A47B 88/467** (2016.12 - EP US); **E05F 1/16** (2013.01 - EP US); **E05F 5/027** (2013.01 - EP US); **E05Y 2900/20** (2013.01 - EP US)

Citation (search report)

See references of WO 2005011438A1

Designated contracting state (EPC)

AT DE ES GB IT

DOCDB simple family (publication)

**US 2006238089 A1 20061026**; **US 7399041 B2 20080715**; AT E392832 T1 20080515; DE 20311795 U1 20041118; DE 502004006928 D1 20080605; EP 1648265 A1 20060426; EP 1648265 B1 20080423; ES 2303950 T3 20080901; WO 2005011438 A1 20050210

DOCDB simple family (application)

**US 56652004 A 20040728**; AT 04763540 T 20040728; DE 20311795 U 20030731; DE 502004006928 T 20040728; EP 04763540 A 20040728; EP 2004008411 W 20040728; ES 04763540 T 20040728