

Title (en)
SELF-RETRACTING DEVICE

Title (de)
SELBSTEINZIEHVORRICHTUNG

Title (fr)
DISPOSITIF AUTO-RÉTRACTABLE

Publication
EP 4164450 B1 20240313 (DE)

Application
EP 21725444 A 20210505

Priority
• AT 1282020 A 20200610
• EP 2021061824 W 20210505

Abstract (en)
[origin: WO2021249699A1] The invention relates to a self-retracting device for a furniture part (51) which can be extracted from a furniture carcass (50) in an extraction direction (4) by means of a telescopic drawer slide, said self-retracting device comprising: a carriage (6) slidably supported by a base body (5); a retraction spring (13) loading the carriage (6) into a basic position, the carriage (6) being slidable, by being coupled to a driver (33), from the basic position into a standby position in which the driver (33) can be uncoupled from the carriage (6) and in which the carriage (6) is retained against the force of the retraction spring (13); and a damping unit (22) for damping the sliding movement of the carriage (6) from the standby position into the basic position. The carriage (6) is coupled to a movable part (22b) of the damping unit (22) by way of an arm (23) which can pivot relative to the carriage (6) about a first pivot axis (24) and relative to the damping unit (22) about a second pivot axis (25), one of the pivot axes (24, 25) being slidable, and which is guided by the base body (5) between a rear end position and a front end position, wherein, when the carriage (6) is slidably moved by the retraction spring (13) over a retraction path, at least in an end portion of the retraction path, the arm (23) is rotated about an axis running perpendicular to the extraction direction (4).

IPC 8 full level
A47B 88/467 (2017.01)

CPC (source: AT EP US)
A47B 88/467 (2017.01 - AT EP US); **A47B 88/473** (2017.01 - US); **A47B 88/493** (2017.01 - AT)

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 2021249699 A1 20211216; AT 523429 A4 20210815; AT 523429 B1 20210815; CN 115697138 A 20230203; EP 4164450 A1 20230419; EP 4164450 B1 20240313; PL 4164450 T3 20240624; US 2023210260 A1 20230706

DOCDB simple family (application)
EP 2021061824 W 20210505; AT 1282020 A 20200610; CN 202180041201 A 20210505; EP 21725444 A 20210505; PL 21725444 T 20210505; US 202118008533 A 20210505